ECS Proposals by PI

PI	FY00	FY01	FY02	FY03	FY04	FY05	FY06	Total
Al-Dhahir N					1	2		3
Bastani F		2		1		2		5
Bereg						1		1
Bhatia D		4	1	1			2	8
Blanchard A		2	2				2	6
Boukerche A		1						1
Bradshaw K			1					1
Burnham G			1			1	1	3
Byrne D	1							1
Cangussu J				3	1		3	7
Cantrell C	4	3		2	1			10
Chandrasekaran R		1						1
Chen B		2						2
Chlamtac I	3	1	1	2				7
Cobb J		1				1	1	3
Cooper K				2		1		3
Daescu O		1	2	2		2	1	8
Dattatreya G	1	2	1				3	7
Deng Y		1						1
Dong						1	1	2
Draper R					1			1
Du							4	4
Efromovich							1	1
Farago A	2	2	1				1	6
Fonseka J	2							2
Frensley W	2	1			1	2	1	7
Fumagalli A	3	2	1	3				9
Gnade B				2	5	9	11	27
Goeckner M	2	1		2	1	6	4	16
Gupta G		7	3	5	4	3	4	26
Hansen							1	1
Hansen J							5	5
Harabagiu S			1		1	1	1	4
Harris E D				2		2	3	7
Hatzivassiloglou							1	1
Herrera-Gomez							2	2
Hu W							5	5
Hunt R						1		1
Huynh DT			1					1
Jue J	2	1					1	4
Kantarcioglu							3	3
Kehtarnavaz N			3	3	1	3	1	11
Khan L			2	3	1	3	1	10
Kiasaleh K				1	1		2	4
Kim J						1	4	5
Kim M					3	8	6	17
Kokkinakis							1	1
Lakshman T				1				1

Lee G					1			1
Lee H						1		1
Lee JB		2	3	1	1	4	6	17
Liu J	3	3	1			2	1	10
Liu Y							6	6
Loizou P	1	2	1		1	3		8
MacFarlane D	1			1	1	11	7	21
Maloberti F			1		1			2
Mathews							1	1
McNerney R			1					1
Mihalcea R			1					1
Mili R	1	2		1				4
Minn H				2		2	3	7
Mittal						1	2	3
Moldovan D		1		2	1			4
Ng						1	1	2
Nosratinia A	1	2		2	1	2	1	9
Nourani M	1	4		1		1		7
Ntafos S				1		1	2	4
Ober R		3		1	1	2	2	9
Osborne W	5	2						7
Overzet L	2		1	5		3	2	13
Panahi						1	3	4
Pervin W	1							1
Prabhakaran B		2				4	3	9
Prakash R	5			2		1		8
Raghavachari B		1		3		1		5
Rath K	1							1
Sangireddy						2	2	4
Saquib M	1	2	1	2		2	1	9
Sarac K					1	1	2	4
Schweitzer H	2	1	1	1				5
Seldon B							4	4
Sha E		3				1	2	6
Sha H				1				1
Sudborough						1		1
Syrotiuk V	2	2	2					6
Tamil							1	1
Thuraisingham						7	10	17
Tollis I	2		1					3
Torlak M	2	2	1			1	1	7
Treumper K		1	1					2
Truemper K		1		1				2
Uma R		2		4		1		7
Venkatesan S				3		5	1	9
Villareal S		1						1
Vogel							1	1
Wallace R					1	4	2	7
Wang Y		1	1		2			4
Wetsel G	1							1
Wong E			1	1	2	7	2	13

Wu W				3		4	1	8
Yen I	1	1		1		3		6
Zhang K		3	3	3	1	2	3	15
Zheng S		3		1		3	1	8
Zhou D	1	1	1	2				5
Total	56	83	43	80	37	135	151	585

YEAR	SCHOOL	PROGRAM	CENTER	FRS_NO	FRS_NO2	OTHER	PI
2001	NSM		LITHOS ST				Stern R
2001	NSM		LITHOS ST				Stern R
2002	NSM		LITHOS ST				Stern R
2005	NSM	Science Education					Urguhart M
2003							Bartlett J
2000	HD	HDCS		6-30261			O'Toole A
2006	BBS	Cognition & Neuroscience					O'Toole A
2005	NSM	Lithospheric Studies					Abdel-Salam M
2006	NSM		Center for Lithospheric Studies				Abdel-Salam M
2000	NSM		LITHOS ST				Bhattacharya J
2005	NSM	Lithospheric Studies					Xu
2006	ECS	Electrical Engineering					Minn H
2005	ECS	Electrical Engineering					Saquib M
2005	ECS	Electrical Engineering					Torlak M
2006	SS	Political Economy					Fass S
2006	SS	Economics, Political and Policy Sciences					Fass S
2006	NSM	NanoTech Institute					Zakhidov A
2004	NSM		LITHOS ST				Aiken C
2005	NSM	Geosciences					Brikowski T
2006	NSM	Chemistry					Haines D
2000	HD	HDCS		6-43076			Thibodeau L
2006	BBS	Behavioral & Brain Sciences Clinical					Nichols
2001	NSM	CHEMISTRY		2-23231			Ferraris J
2002	NSM	CHEMISTRY		6-31595			Ferraris J
2005	NSM	Dean's Office					Ferraris J
2006	NSM	Dean's Office					Ferraris J
2005	NSM	Chemistry	Nanotechnology Institute				Yang DJ
2001	ECS		CICS				Bhatia D
2001	ECS		CICS				Bhatia D
2001	ECS	ELEC ENG					Bhatia D
2006	ECS	Electrical Engineering					Blanchard A
2006	ECS	Electrical Engineering					Kiasaleh K
2003	ECS	ELEC ENG					Nourani M
2000	ECS	COMP SC					Prakash R
2000	ECS	ELEC ENG					Rath K
2001	HD		CALLIER				Chapman S
2000	ECS		CATSS				Chlamtac I
2001	ECS	COMP SC					Dattatreya G
2000	ECS	DEAN OFF		6-39303			Osborne W
2001	ECS	COMP SC		6-31395			Yen I
2003	ECS	EMBED SW					Yen I
2005	ECS	Computer Science					Yen I
2005	ECS	Embedded Software Center					Yen I
2005	ECS	Computer S	Embedded Software Center				Yen I
2002	NSM	BIOLOGY					Dieckmann G
2003	NSM	CHEMISTRY					Dieckmann G
2003	NSM	CHEMISRTY					Dieckmann G
2003	NSM	BIOLOGY					Draper R
2003	NSM	BIOLOGY					Draper R
2003	ECS	COMP SC					Prakash R

2006	NSM	Molecular and Cell Biology		Pace B
2004	NSM	LITHOS ST		Bhattacharya J
2005	NSM	Geosciences		Leybourne M
2005	SS	Economics		Vijverberg W P
2003	ECS	COMP SC		Raghavachari B
2006	ECS	Electrical Engineering		Tamil
2001	NSM	LITHOS S	6-31355	McMechan G
2003	NSM	CHEMISTRY		Baughman R
2005	NSM	Science and Math Education		Urguhart M
2005	NSM	Science and Math Education		Urguhart M
2003	ECS	COMP SC		Gupta G
2003	SS	CRIME/JUST		Hayslett-Mccall
2003	SS	CRIME/JUST		Hayslett-Mccall
2003	SS	BRUTON		Hayslett-Mccall
2006	SS	Bruton Center		Murdoch J
2005	SS	Geographic Information Sciences		Curtin
2005	NSM	Lithospheric Studies		Abdel-Salam M
2000	HD	HDCS		Golden R
2006	NSM	Institute of Biomedical Sciences and Technol		Goodman S
2003	ECS	ELEC ENG		Zhou D
2005	SOM	Information Systems and Operations Management		Bensoussan
2005	SOM	Information Systems and Operations Management		Bensoussan
2006	SOM	International Center for Decision		Bensoussan
2006	SOM	Informations Systems and Operations		Bensoussan
2003	NSM	APP BIO		Bulla L
2003	NSM	APP BIO		Bulla L
2004	ECS	COMP SC		Wong E
2003	ECS			MacFarlane D
2000	ECS	ELEC ENG	6-37040	Osborne W
2003	NSM	CHEMISTRY		Dieckmann G
2005	NSM	Lithospheric Studies		Abdel-Salam M
2000	NSM	PHYSICS		Glosser R
2006	BBS	Communication Sciences		Anand
2005	NSM	Institute of Biomedical Sciences and Technology		Goodman S
2005	AH	Interactive Arts		Nadin M
2005	AH	Arts & Humanities		Nadin M
2006	AH	Institute for Research in Anticipatory Systems		Nadin M
2006	AH	Arts and T	Institute for Research in Anticipatory Systems	Nadin M
2006	AH	Ante		Nadin M
2001	ECS	COMP SC	2-23230	Boukerche A
2003	ECS	COMP SC		Cooper K
2005	ECS	Computer Science		Cooper K
2000	HD	CALLIER		Finitzo T
2006	ECS	Computer Science		Zhang K
2005	BBS	Communication Sciences and Disorders		Thibodeau
2005	BBS	Communication Sciences and Disorders		Thibodeau
2003	NSM	SPACE SC		Hairston M
2006	NSM	Space Sciences		Hairston M
2006	NSM	NanoTech Institute		Zakhidov A
2004	NSM	MATH		Ramakrishna V
2003	ECS	COMP SC		Cangussu J

2003	ECS	COMP SC				Cangussu J
2006	ECS	Computer Science				Cangussu J
2000	NSM	SPACE SC				Heelis R
2005	SS	Political Ec	Bruton Center for Development Studies			Rivkin
2002	NSM	MATH		6-31746		Montgomery H
2003	NSM	SCI ED				Montgomery H
2003	NSM	SCI ED		6-37087		Montgomery H
2005	NSM	Science Education				Montgomery H
2005	NSM	Science and Math Education				Montgomery H
2006	NSM	Science and Math Education				Urguhart M
2003	NSM	CHEMISTRY				Baughman R
2004	NSM	CHEMISTRY				Baughman R
2005	NSM	Chemistry				Dieckmann G
2004	ECS					Cangussu J
2000	NSM	MATH				Jafri S
2000	NSM	MATH				Jafri S
2000	NSM	MATH				Jafri S
2005	ECS	Computer Science				Sudborough
2005	ECS	Computer Science				Venkatesan S
2001	ECS		EMBED SW			Bastani F
2004	ECS	ELEC ENG				Draper R
2005	NSM	Molecular & Cell Biology				Draper R
2006	NSM		Institute of Biomedical Sciences and Technol			Draper R
2003	NSM	BIOLOGY				Meng F
2003	NSM	BIOLOGY				Meng F
2000	ECS		PHTNIC ENG			Cantrell C
2006	NSM	Biology				Balkus K
2005	BBS	Neuroscience				Thompson L
2006	ECS	Computer Science				Zheng S
2000	NSM		SPACE SC	6-30117		Heelis R
2000	NSM		SPACE SC			Heelis R
2000	NSM		SPACE SC	6-30218	6-30219	Heelis R
2000	NSM		SPACE SC			Heelis R
2005	NSM	Space Scie	Center for Space Sciences			Klenzing
2006	AH		Institute for Research in Anticipatory Systems			Nadin M
2006	AH					Nadin M
2006	AH					Nadin M
2002	NSM	SCI ED				Montgomery H
2005	NSM	Molecular & Cell Biology				Pace B
2001	HD		CLC	6-31485	6-31741	Vicknair K
2003	ECS	COMP SC				Wu W
2000	ECS	CATSS				Chlamtac I
2000	ECS		CATSS			Chlamtac I
2000	ECS	ELEC ENG		6-31270		Fumagalli A
2000	ECS	ELEC ENG				Fumagalli A
2003	ECS	COMP SC				Gupta G
2004	ECS	COMP SC				Gupta G
2000	ECS		CATSS			Syrotiuk V
2000	ECS		CATSS			Syrotiuk V
2001	ECS	COMP SC				Syrotiuk V
2002	ECS	COMP SC				Syrotiuk V

2006	ECS	Computer Science		Torlak M
2000	SS	ED/SOC POL		Vicknair K
2000	SS	ED/SOC POL		Vicknair K
2001	OTHER	GREEN		Kain J
2006	NSM	Geosciences		Finkelman
2003	NSM	CHEMISTRY		Balkus K
2004	NSM	CHEMISTRY		Balkus K
2006	NSM	Chemistry		Balkus K
2006	NSM	NanoTech Institute		Baughman R
2005	NSM	Chemistry		Manohar
2005	NSM	Chemistry		Nielsen
2006	NSM	NanoTech Institute		Zakhidov A
2001	ECS	ELEC ENG	6-31425	Liu J
2005	ECS	Electrical Engineering		Liu J
2005	ECS	Computer Science		Ntafos S
2000	ECS	ELEC ENG	6-37039	Osborne W
2002	ECS	ELEC ENG		Torlak M
2005	ECS	Electrical Engineering		Goeckner M
2001	ECS	ELEC ENG		Lee JB
2001	ECS	ELEC ENG		Villareal S
2003	ECS	ELEC ENG		Lakshman T
2006	ECS	Electrical Engineering		Saquib M
2006	ECS	Electrical Engineering		MacFarlane D
2006	NSM	Physics		Agranovich
2005	NSM	Nanotechnology Institute		Li S
2005	ECS	Electrical Engineering		Kim M
2005	ECS	Electrical Engineering		Kim M
2006	ECS	Electrical Engineering		MacFarlane D
2005	ECS	Electrical Engineering		Wallace R
2005	ECS	Electrical Engineering		Wallace R
2000	ECS	ELEC ENG	6-31265	Overzet L
2003	ECS	ELEC ENG	6-39374	Overzet L
2003	ECS	ELEC ENG		Overzet L
2003	ECS	ELEC ENG		Overzet L
2003	ECS	ELEC ENG		Overzet L
2005	ECS	Electrical Engineering		Overzet L
2005	ECS	Electrical Engineering		Overzet L
2006	ECS	Electrical Engineering		Overzet L
2006	NSM	Biology		Haines D
2003	NSM	BIOLOGY		Herron S
2005	NSM	Molecular & Cell Biology		Breen G
2006	NSM	Institute of Biomedical Sciences and Technol		Breen G
2005	NSM	Molecular & Cell Biology		Draper R
2001	NSM	MATH		Baron M
2002	NSM	MATH		Baron M
2002	ECS	COMP SC		Huynh DT
2003	ECS	EMBED SW		Ntafos S
2003	ECS	COMP SC		Raghavachari B
2003	ECS	COMP SC		Zhang K
2001	ECS	COMP SC	6-39337	Chandrasekaran R
2005	ECS	Computer Science		Cobb J

2006	ECS	Computer Science				Cobb J
2006	ECS	Computer Science				Ntafos S
2001	NSM		SPACE SC	6-31440		Coley R
2006	NSM	Physics	Center for Space Sciences			Coley R
2000	NSM	PHYSICS				Hoffman J
2006	ECS	Electrical Engineering				Bhatia D
2006	ECS		Center for Integrated Circuits & Systems (CIC			Bhatia D
2005	NSM	Molecular & Cell Biology				Levene S
2006	ECS	Computer Science				Liu Y
2003	ECS	COMP SC				Moldovan D
2006	BBS		Center for BrainHealth			Chapman S
2006	BBS	Neuroscience				King
2003	MGMT					Chakravarty S
2003	SS	SOCIAL SC				Bray T
2005	SS	Criminology, Sociology & Geographic Info Sciences				Bray T
2006	SS	Social Science				Curtin
2000	NSM		SPACE SC			Coley R
2000	NSM		SPACE SC			Coley R
2005	NSM	Space Scie	Center for Space Sciences			Drake
2003	NSM		SPACE SC			Drake K
2003	NSM		SPACE SC			Drake K
2000	NSM		SPACE SC	6-30611		Earle G
2001	NSM	SPACE SC		6-31435		Hairston M
2003	NSM		SPACE SC	6-31320		Hei M
2000	NSM		SPACE SC			Kivanc O
2002	NSM		SPACE SC			Venkatraman S
2002	NSM		SPACE SC	6-31743		Venkatraman S
2006	NSM	Physics	Center for Space Sciences			Venkatraman S
2000	NSM		SPACE SC			Heelis R
2001	NSM		SPACE SC	6-31320		Heelis R
2002	NSM		SPACE SC			Heelis R
2003	OTHER			6-44100	MC LIBRA	Safley E
2005	Other	Athletics				Gage
2005	Other	Texas Sch	Green Center			Hanushek
2005	NSM	Molecular & Cell Biology				Marsh
2001	HD		CALLIER	6-43093		Nezworksi T
2000	ECS	ELEC ENG				MacFarlane D
2005	ECS	Electrical Engineering				MacFarlane D
2000	ECS	COMP SC				Prakash R
2006	BBS	Behavioral & Brain Sciences Clinical				Golden R
2000	NSM	MATH				Darcy I
2006	SS		Texas Schools Project			Holcombe
2006	SS		Texas Schools Project			Holcombe
2006	SS		Texas Schools Project			Holcombe
2003	SS	SOCIAL SC				Montgomery M
2003	HD	HDCS		6-44098		Martin J
2002	NSM	SCI ED				Ledbetter C
2003	ECS	CATSS				Chlamtac I
2006	ECS	Computer Science				Thuraisingham
2000	NSM	BIOLOGY				D'Mello S
2001	HD	CD		6-31420		Bharadwaj S

2003	HD	CD	6-31772	Gabbert G
2005	ECS	Computer Science		Thuraisingham
2005	ECS	Computer Science		Thuraisingham
2005	ECS	Computer Science		Thuraisingham
2005	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS	Computer Science		Thuraisingham
2006	ECS			Thuraisingham
2001	HD	NEUROSC	6-43105	Pandya P
2001	HD	NEUROSC	6-31410	Pandya P
2004	ECS	ELEC ENG		Gnade B
2005	ECS	Electrical Engineering		Gnade B
2006	ECS	Materials Science		Gnade B
2006	ECS	Electrical Engineering		Kim J
2005	ECS	Electrical Engineering		Wallace R
2006	ECS	Electrical Engineering		Wallace R
2004	ECS	ELEC ENG	2-23246	Wallace R
2000	NSM	SPACE SC		Hairston M
2003	HD	PSY	6-43140	Owen M
2005	BBS	Early Childhood Disorders		Owen M
2005	SS	Crime and Justice Studies		Hayslett-Mccall
2001	NSM	MATH		Nix R
2003	GS	GEN STUDY		Nix R
2003	ECS	ELEC ENG	6-39379	Overzet L
2005	ECS	Electrical Engineering		Liu J
2005	BBS	Cognition & Neuroscience		Cauller L
2001	SS	SS		Tracy P
2001	SS	CRIME/JUST		Tracy P
2001	SS	CRIME/JUST		Tracy P
2002	NSM	MATH		Darcy I
2001	NSM	LITHOS ST		Abdel-Salam M
2001	NSM	LITHOS ST		Abdel-Salam M
2002	NSM	LITHOS ST		Abdel-Salam M
2002	NSM	LITHOS ST		Brikowski T
2000	NSM	GEOSCIEN LITHOS ST		Miller N
2005	NSM	Chemistry Nanotechnology Institute		Zakhidov A
2005	ECS	Electrical Engineering		Lee H
2002	ECS	ELEC ENG	6-31680	Maloberti F
2004	ECS	ELEC ENG		Maloberti F
2006	ECS	Computer Science		Hansen
2006	ECS	Electrical Engineering		Hu W
2006	ECS	Electrical Engineering		Kokkinakis
2005	BBS	Neuroscience		Malhotra
2006	BBS	Neuroscience		Malhotra
2005	BBS	Neuroscience		Melton L
2000	NSM	PHYSICS		Izen J

2001	NSM	PHYSICS	6-31365	Izen J
2001	NSM	PHYSICS		Izen J
2002	NSM	PHYSICS		Izen J
2003	NSM	PHYSICS		Izen J
2000	HD	HDCS		Dodd M
2001	HD	HD	6-31325	Dodd M
2003	NSM	BIOLOGY		Draper R
2006	NSM	Chemistry		Manohar
2004	ECS	ELEC ENG		Cantrell C
2003	ECS	DFEPI		Venkatesan S
2006	BBS	Communication Disorders		Rollins
2003	ECS	ELEC ENG		Fumagalli A
2003	ECS	ELEC ENG		Fumagalli A
2005	NSM	Geosciences		Stern R
2005	NSM	Geosciences		Stern R
2003	NSM	SCI ED		Urguhart M
2004	NSM	MATH		Urguhart M
2005	NSM	Lithospheric Studies		Bhattacharya J
2005	NSM	Lithospheri Center for Lithospheric Studies		Bhattacharya J
2003	NSM	LITHOS S	6-44099	Dillen M
2000	SS	BRUTON		Murdoch J
2003	NSM	APP BIO		Bulla L
2003	MGMT			Sarkar S
2004	NSM	GEOSCIENCE		Leybourne M
2003	NSM	GEOSCIENCE	6-31792	Stern R
2006	ECS	Electrical Engineering		Kiasaleh K
2003	ECS	COMP SC		Venkatesan S
2000	HD	CALLIER		Gerken G
2000	HD	CALLIER		Gerken G
2000	NSM	GEOSCIENCE	6-31240	Carter J
2006	NSM	Chemistry		Yang DJ
2005	NSM	Science Education		Ledbetter C
2006	NSM	Science and Math Education		Ledbetter C
2003	ECS	ELEC ENG		Kiasaleh K
2001	ECS	COMP SC		Dattatreya G
2000	NSM	MATH		Ramakrishna V
2003	NSM	MATH		Ramakrishna V
2000	ECS	ELEC ENG		Zhou D
2006	SS	Texas Schools Project		Jargowsky P
2003	SS	Economics GREEN CENT		Vijverberg W P
2005	BBS	Cognition & Neuroscience		Jiang
2000	ECS	ELEC ENG	6-31255	Goeckner M
2001	ECS	ELEC ENG		Goeckner M
2003	ECS	ELEC ENG	6-39381	Goeckner M
2004	ECS	ELEC ENG		Goeckner M
2005	ECS	Electrical Engineering		Goeckner M
2005	ECS	Electrical Engineering		Goeckner M
2006	ECS	Electrical Engineering		Goeckner M
2006	ECS	Electrical Engineering		Goeckner M
2006	ECS	Electrical Engineering		Goeckner M
2006	NSM	Chemistry		Yang DJ

2006	NSM	Chemistry			Yang DJ
2006	NSM	Chemistry			Ahn
2006	NSM		Sickle Cell Disease Research Center		Dzandu
2005	NSM	Institute of Biomedical Sciences and Technology			Goodman S
2005	ECS	Computer Science			Gupta G
2000	ECS	COMP SC	6-37042		Osborne W
2005	AH	Art			Brettell
2005	ECS	Electrical Engineering			MacFarlane D
2001	OTHER			PHY PLAN	Biddle R
2006	NSM		Institute of Biomedical Sciences and Technol		Draper R
2004	NSM				Li S
2000	ECS		PHTNIC ENG		Cantrell C
2005	BBS	Psychological Sciences			Golden R
2005	GS	General Studies			Fair G
2001	ECS	COMP SC	6-31415		Gupta G
2003	ECS	COMP SC			Gupta G
2006	ECS	Computer Science			Prabhakaran B
2006	ECS	Computer Science			Prabhakaran B
2005	ECS	Electrical Engineering			Venkatesan S
2005	ECS	Computer Science			Venkatesan S
2005	ECS	Engineering			Venkatesan S
2005	ECS	Computer Science			Wu W
2003	NSM	PHYSICS			Zakhidov A
2005	ECS	Electrical Engineering			Hunt R
2005	Other	Enrollment Services			Samsula
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	SS	Texas Schools Project			Hanushek
2006	SS	Texas Schools Project			Hanushek
2006	SS	Texas Schools Project			Hanushek
2002	NSM	PHYSICS	6-31750		Fenyves E
2002	NSM	PHYSICS	6-31685		Fenyves E
2001	AH	AH	6-37059		Redman T
2001	ECS		CSCSP		Torlak M
2006	ECS	Computer Science			Gupta G
2005	NSM	Chemistry			Sibert J
2003	MGMT	MGMT			Pirkul H
2005	ECS	Computer Science			Zhang K
2006	ECS	Computer Science			Liu Y
2002	SS	SOCIAL SC			Qiu F
2002	ECS	COMP SC	6-39352		Zhang K
2002	ECS	COMP SC			Zhang K
2001	ECS	COMP SC			Zheng S
2006	BBS	Behavioral & Brain Sciences Clinical			Agung
2002	HD		CALLIER 6-44091		Gilley P
2003	NSM	CHEMISTRY			Goux W
2005	NSM	Chemistry			Goux W
2001	NSM	MATH			Jafri S
2001	NSM	MATH			Jafri S

2005	NSM	Geosciences			Brikowski T
2002	HD	NEUROSC			O'Toole A
2000	NSM		LITHOS ST		Abdel-Salam M
2005	NSM	Chemistry			Ferraris J
2001	NSM	GEOSCIENCE			Leybourne M
2001	HD		CALLIER		Pawlowski K
2003	ECS	COMP SC			Uma R
2000	ECS		CATSS		Farago A
2000	ECS		CATSS		Farago A
2001	ECS	COMP SC			Farago A
2001	ECS	COMP SC			Farago A
2002	ECS	COMP SC		6-31730	Farago A
2003	ECS	ELEC ENG			Fumagalli A
2006	ECS	Computer Science			Blanchard A
2001	ECS	ELEC ENG			Loizou P
2002	HD		CALLIER		Schafer E
2002	HD		CALLIER	6-44096	Schafer E
2000	HD		CALLIER		Tobey E
2005	NSM	Molecular & Cell Biology			Draper R
2006	ECS	Computer Science			Kantarcioglu
2005	ECS	Computer Science			Khan L
2006	ECS	Computer Science			Khan L
2005	ECS	Computer Science			Prabhakaran B
2005	ECS	Computer Science			Prabhakaran B
2006	SS	Social Science			Griffith
2006	SS	Social Science			Qiu F
2006	BBS	Brain and Behavioral Science			Geers
2006	BBS				Geers
2003	HD		CALLIER		Salas-Provance
2000	HD		CALLIER		Thibodeau L
2000	HD	CD			Thibodeau L
2003	HD	CD			Thibodeau L
2006	BBS	Communication Disorders			Warner-Czyz
2001	AH	TRANS CTR			Schulte R
2003	ECS	COMP SC			Daescu O
2001	ECS	COMP SC			Mili R
2001	ECS	COMP SC			Zhang K
2003	ECS	COMP SC			Zhang K
2000	ECS	ELEC ENG			Nosratinia A
2004	ECS	COMP SC	CSCSP	2-23248	Nosratinia A
2001	ECS	ELEC ENG			Osborne W
2001	ECS	COMP SC		6-39339	Osborne W
2003	ECS	COMP SC		6-31757	Schweitzer H
2001	HD		CALLIER		Olness G
2001	HD		CALLIER		Olness G
2001	HD		CALLIER		Olness G
2002	HD		CALLIER	6-31749	Olness G
2001	ECS	COMP SC			Prabhakaran B
2006	BBS	Behavioral & Brain Sciences Clinical			Berman
2006	BBS	Psychological Sciences			Bonner
2006	BBS	Psychological Sciences			Risser

2006	BBS	Pyschological Sciences			Rosen
2005	NSM	Physics	Center for Space Sciences		Anderson
2006	NSM		Center for Space Sciences		Earle G
2003	NSM				Mongomery H
2000	HD		CLC	6-37050	Fair G
2000	HD		CLC	6-37049	Fair G
2000	HD		CLC		Fair G
2000	HD		CLC	6-38039	Fair G
2000	HD		CLC	6-38038	Fair G
2001	HD		CLC		Fair G
2001	HD		CLC	6-37052	Fair G
2000	SS		ED/SOC P	6-38032	Farkas G
2000	SS		ED/SOC P	6-38031	Farkas G
2005	SS	Economics			Vijverberg W P
2003	ECS	ELEC ENG			Goeckner M
2003	ECS				Gnade B
2003	ECS	ELEC ENGG			Gnade B
2004	ECS	ELEC ENG		6-31799	Gnade B
2005	ECS	Electrical Engineering			Gnade B
2006	ECS	Materials Science			Gnade B
2006	ECS	Materials Science			Gnade B
2006	ECS	Electrical Engineering			Herrera-Gomez
2006	ECS	Electrical Engineering			Kim J
2006	ECS	Electrical Engineering			Kim J
2005	ECS	Electrical Engineering			Kim M
2006	ECS	Electrical Engineering			Mathews
2001	ECS	COMP SC			Zheng S
2005	ECS	Electrical E	Center for Systems, Comm. & Signal Process		Ober R
2005	SS	Sociology			Scotch R
2001	HD		CALLIER		Tobey E
2002	NSM		LITHOS ST		Aiken C
2004	ECS	ELEC ENG			Lee G
2003	ECS				Bastani F
2005	ECS	Computer S	Embedded Software Center		Bastani F
2000	ECS	COMP SC		6-37041	Osborne W
2005	NSM	Chemistry			Balkus K
2002	NSM	CHEMISTRY			Baughman R
2003	NSM	CHEMISTRY			Dalton A
2002	NSM	CHEMISTRY		6-39359	Ferraris J
2003	NSM	CHEMISTRY			Ferraris J
2001	NSM	CHEMISTRY			Musselman I
2001	ECS	COMP SC			Gupta G
2003	ECS	COMP SC			Gupta G
2004	ECS	COMP SC			Gupta G
2006	ECS	Computer Science			Gupta G
2005	ECS	Computer Science			Prabhakaran B
2006	ECS	Computer Science			Prabhakaran B
2004	NSM	CHEMISTRY		6-39403	Baughman R
2006	NSM	NanoTech Institute			Baughman R
2005	ECS	Computer Science			Sha E
2002	NSM		LITHOS ST		Abdel-Salam M

2003	NSM		LITHOS S	6-31780		Abdel-Salam M
2003	NSM		LITHOS S	6-31781		Abdel-Salam M
2004	NSM	LITHOS ST				Abdel-Salam M
2005	NSM	Lithospheric Studies				Abdel-Salam M
2005	NSM	Lithospheric Studies				Abdel-Salam M
2006	NSM	Lithospheric Studies				Abdel-Salam M
2003	HD	HDCS				Abdi H
2005	BBS	Cognition & Neuroscience				Abdi H
2005	NSM	Chemistry				Ahn
2005	NSM	Chemistry				Ahn
2005	NSM	Chemistry				Ahn
2005	NSM	Chemistry				Ahn
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2006	NSM	Chemistry				Ahn
2006	NSM	Chemistry				Ahn
2006	NSM	Chemistry				Ahn
2001	NSM		LITHOS S	6-39346		Aiken C
2001	NSM		LITHOS ST			Aiken C
2003	NSM		LITHOS ST			Aiken C
2003	NSM		LITHOS S	6-39346		Aiken C
2004	NSM		LITHOS S	6-39392		Aiken C
2004	ECS	ELEC ENG		2-23247		Al-Dhahir N
2005	ECS	Electrical Engineering				Al-Dhahir N
2005	ECS	Electrical Engineering				Al-Dhahir N
2005	NSM	Nanotechnology Institute				Aliev
2005	NSM	Mathematical Sciences				Ammann
2005	NSM	Physics	Center for Space Sciences			Anderson
2006	NSM		Center for Space Sciences			Anderson
2006	NSM		Center for Space Sciences			Anderson
2006	NSM		Center for Space Sciences			Anderson
2000	HD	HDCS				Assmann P
2001	HD	HDCS				Assmann P
2002	HD	HDCS				Assmann P
2003	HD	HDCS		6-31775		Assmann P
2003	MGMT					Asundi J
2005	BBS	Neuroscience				Atzori
2000	NSM	CHEMISTRY				Balkus K
2000	NSM	CHEMISTRY		2-23024		Balkus K
2001	NSM	CHEMISTRY		6-43095	6-43113	Balkus K
2001	NSM	CHEMISTRY				Balkus K
2003	NSM	CHEMISTRY				Balkus K
2004	NSM	CHEMISTRY				Balkus K
2005	NSM	Chemistry				Balkus K
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2006	NSM	Chemistry				Balkus K
2006	NSM	Chemistry				Balkus K
2006	NSM	Chemistry				Balkus K
2006	SOM	Chemistry				Balkus K
2002	NSM	MATH				Baron M

2003	NSM	MATH		Baron M
2005	NSM	Mathematical Sciences		Baron M
2006	NSM	Mathematical Sciences		Baron M
2001	HD	NEUROSC		Bartlett J
2001	ECS	EMBED SW		Bastani F
2005	ECS	Computer Science		Bastani F
2001	NSM	CHEMISTRY		Baughman R
2005	NSM	Chemistry		Baughman R
2005	NSM	Chemistry		Baughman R
2005	NSM	Nanotechnology Institute		Baughman R
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2006	NSM	NanoTech Institute		Baughman R
2006	NSM	Chemistry		Baughman R
2006	NSM	NanoTech Institute		Baughman R
2006	NSM	NanoTech Institute		Baughman R
2006	NSM	NanoTech Institute		Baughman R
2005	SOM	Information Systems and Operations Management		Bensoussan
2005	SOM	Information International Center for Decision & Risk Analy		Bensoussan
2005	SOM	Information International Center for Decision & Risk Analy		Bensoussan
2006	SOM	Information Center for Risk Analysis		Bensoussan
2005	ECS	Computer Science		Bereg
2002	SS	SOCIAL SC	6-31705	Berg N
2002	NSM	GEOSCIENCE	6-39363	Bergman S
2003	SS			Beron K
2004				Beron K
2001	ECS	CICS		Bhatia D
2002	ECS	CICSP		Bhatia D
2003	ECS	CICS/CICSP		Bhatia D
2000	NSM	LITHOS ST	6-44075	Bhattacharya J
2003	NSM	LITHOS ST		Bhattacharya J
2000	NSM	CHEMISTRY		Biewer M
2001	NSM	CHEMISTRY	6-43114	Biewer M
2002	MGMT	MGMT		Blair R
2001	ECS	DEAN OFF	6-31725	Blanchard A
2001	ECS	ELEC ENG		Blanchard A
2002	ECS	DEAN OFF		Blanchard A
2002	ECS	DEAN OFF		Blanchard A
2002	ECS	ELEC ENG	6-31250	Bradshaw K
2005	SS	Political Science		Brandt
2005	SS	Criminology, Sociology & Geographic Info Sciences		Bray T
2005	SS	Criminology, Sociology & Geographic Info Sciences		Bray T
2006	SS	Social Science		Bray T
2000	NSM	BIOLOGY		Breen G
2000	NSM	BIOLOGY		Breen G
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2004	NSM	BIOLOGY				Breen G
2004	NSM	BIOLOGY				Breen G
2005	NSM	Molecular & Cell Biology				Breen G
2000	SS	SOCIAL SC				Briggs R
2002	SS		BRUTON			Briggs R
2003	SS		BRUTON	6-38046		Briggs R
2002	NSM		LITHOS ST	6-44086		Brikowski T
2003	NSM	GEOSCIENCE		6-31789		Brikowski T
2005	NSM	Geosciences				Brikowski T
2000	NSM		APPL BIO			Bulla L
2000	NSM		APPL BIO			Bulla L
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2002	NSM		APP BIO			Bulla L
2003	NSM		APP BIO	6-31788		Bulla L
2003	NSM		APP BIO			Bulla L
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2002	ECS	ELEC ENG				Burnham G
2005	ECS	Computer Science				Burnham G
2006	ECS	Computer Science				Burnham G
2001	NSM	SCI ED				Butts T
2000	ECS	ELEC ENG				Byrne D
2003	ECS	COMP SC				Cangussu J
2006	ECS	Computer Science				Cangussu J
2006	ECS	Computer Science				Cangussu J
2000	ECS	ELEC ENG				Cantrell C
2000	ECS	ELEC ENG				Cantrell C
2001	ECS		PHTNIC ENG			Cantrell C
2001	ECS		PHTNIC EI	6-39323	6-39322	Cantrell C
2001	ECS		PHTNIC ENG			Cantrell C
2003	ECS		PHTNIC EI	6-39384		Cantrell C
2003	ECS	ELEC ENG				Cantrell C
2001	HD	NEUROSC		2-23229		Cauller L
2006	BBS	Behavioral & Brain Sciences Clinical				Cauller L
2006	SS	Political Science				Champagne
2000	HD		CALLIER			Chapman S
2000	HD		CALLIER			Chapman S
2000	HD		CALLIER			Chapman S
2000	HD		CALLIER			Chapman S
2001	HD		CALLIER			Chapman S
2001	HD		CALLIER	6-43094		Chapman S
2001	HD		CALLIER	6-39326		Chapman S
2002	HD		CALLIER	6-43108		Chapman S
2003	HD	NEUROSC				Chapman S
2004	HD	HDCS				Chapman S
2004	HD			6-31868		Chapman S
2005	BBS	Communication Disorders				Chapman S
2005	BBS	Communic	Center for Brain Health			Chapman S
2005	BBS	Communic	Center for Brain Health			Chapman S

2005	BBS	Communic	Center for Brain Health		Chapman S
2006	BBS	Behavioral	Center for BrainHealth		Chapman S
2006	BBS		Center for BrainHealth		Chapman S
2001	ECS	COMP SC			Chen B
2001	ECS	COMP SC			Chen B
2002	SS	SOCIAL SC			Chevrier M
2001	ECS		CATSS		Chlamtac I
2002	ECS		CATSS		Chlamtac I
2003	ECS	CATSS			Chlamtac I
2006	NSM	Mathematical Sciences			Choudhary
2000	HD	HDCS			Clark J
2003	SS	POL ECON			Clarke H
2006	SS	Political Science			Clarke H
2001	ECS		CATSS		Cobb J
2000	NSM		SPACE SC		Coley R
2006	NSM		Center for Space Sciences		Coley R
2006	NSM		Center for Space Sciences		Coley R
2001	NSM		QUANT EL 6-31550		Collins C
2003	NSM		QUANT EL 6-31755		Collins C
2006	NSM	NanoTech Institute			Collins C
2000	NSM	MATH			Constantinescu
2001	NSM	MATH			Constantinescu
2002	NSM	MATH			Constantinescu
2002	NSM	MATH			Constantinescu
2003	NSM	MATH			Constantinescu
2004	NSM	MATH			Constantinescu
2005	NSM	Mathematical Sciences			Constantinescu
2005	NSM	Mathematical Sciences			Constantinescu
2003	ECS	COMP SC			Cooper K
2000	NSM		SPACE SC		Cumnock J
2001	NSM		SPACE SC		Cumnock J
2003	NSM		SPACE SC		Cumnock J
2005	NSM	Physics	Center for Space Sciences		Cumnock J
2005	NSM	Mathematical Sciences			Cumnock J
2002	OTHER		6-43112	GSR	Cunningham A
2006	NSM	Physics			Cunningham A
2005	SS	Geographic Information Sciences			Curtin
2006	SS	Social Science			Curtin
2006	SS	Science and Math Education			Curtin
2005	NSM	Mathematical Sciences			Dabkowski
2006	NSM	Mathematical Sciences			Dabkowski
2001	ECS	COMP SC			Daescu O
2002	ECS	COMP SC			Daescu O
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2003	ECS	COMP SC			Daescu O
2005	ECS	Computer Science			Daescu O
2005	ECS	Computer Science			Daescu O
2006	ECS	Computer Science			Daescu O
2003	MGMT	MGMT			Dalgic T
2004	MGMT	MGMT			Dalgic T
2003	NSM				Dalton A

2000	NSM	MATH	6-31180		Darcy I
2000	ECS	COMP SC			Dattatreya G
2002	ECS	EMBED SW			Dattatreya G
2006	ECS	Computer Science			Dattatreya G
2006	ECS	Computer Science			Dattatreya G
2006	ECS	Computer Science			Dattatreya G
2006	SS	Economics			Dave
2002	SS	SOCIAL SC	6-37060		Day E
2000	NSM	BIOLOGY	6-43084		Dejong J
2001	NSM	BIOLOGY			Dejong J
2002	NSM	BIOLOGY			Dejong J
2002	NSM	BIOLOGY	6-31761		Dejong J
2003	NSM	BIOLOGY			Dejong J
2003	NSM	BIOLOGY	6-43148		Dejong J
2003	NSM	BIOLOGY			Dejong J
2006	NSM	Biology			Dejong J
2001	ECS	EMBED SW			Deng Y
2000	NSM	CHEMISTRY	6-43089	6-43116	Dieckmann G
2000	NSM	CHEMISTRY			Dieckmann G
2000	NSM	CHEMISTRY			Dieckmann G
2001	NSM	CHEMISTRY			Dieckmann G
2001	NSM	CHEMISTRY			Dieckmann G
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2002	NSM	CHEMISTRY			Dieckmann G
2002	NSM	CHEMISTRY			Dieckmann G
2003	NSM	CHEMISTRY			Dieckmann G
2005	NSM	Chemistry			Dieckmann G
2005	NSM	Chemistry			Dieckmann G
2006	NSM	Chemistry			Dieckmann G
2006	NSM	Chemistry			Dieckmann G
2006	NSM	Chemistry			Dieckmann G
2000	NSM	BIOLOGY	6-31525		D'Mello S
2000	NSM	BIOLOGY			D'Mello S
2000	NSM	BIOLOGY			D'Mello S
2001	NSM	BIOLOGY			D'Mello S
2001	NSM	BIOLOGY			D'Mello S
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2003	NSM	BIOLOGY			D'Mello S
2003	NSM	BIOLOGY			D'Mello S
2003	NSM	BIOLOGY			D'Mello S
2004	NSM	BIOLOGY	6-31838		D'Mello S
2004	NSM	BIOLOGY			D'Mello S
2005	NSM	Molecular & Cell Biology			D'Mello S
2006	NSM	Molecular and Cell Biology			D'Mello S
2006	NSM	Molecular and Cell Biology			D'Mello S
2006	NSM	Molecular and Cell Biology			D'Mello S
2006	NSM	Biology			D'Mello S
2006	NSM	Molecular and Cell Biology			D'Mello S
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2006	NSM	Molecular and Cell Biology			D'Mello S
2005	ECS	Computer Science			Dong
2006	ECS	Computer Science			Dong
2005	NSM	Chemistry			Donovan
2000	NSM	BIOLOGY			Draper R
2001	NSM	BIOLOGY		6-44079	Draper R
2001	NSM	BIOLOGY		6-31370	Draper R
2002	NSM	BIOLOGY			Draper R
2003	NSM	BIOLOGY			Draper R
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2003	NSM	BIOLOGY			Draper R
2004	NSM	BIOLOGY			Draper R
2005	NSM	Molecular & Cell Biology			Draper R
2005	NSM	Molecular &	Institute of Biomedical Sciences & Technolog		Draper R
2005	NSM	Molecular &	Institute of Biomedical Sciences & Technolog		Draper R
2006	NSM	Molecular and Cell Biology			Draper R
2006	NSM		Institute of Biomedical Sciences and Technol		Draper R
2006	NSM	Biology			Draper R
2006	ECS	Computer Science			Du
2006	ECS	Computer Science			Du
2006	ECS	Computer Science			Du
2006	ECS	Computer Science			Du
2003	SS	SOCIAL SC		6-43129	Dumas L
2005	SS	Political Economy			Dumas L
2000	NSM		SPACE SC		Earle G
2000	NSM		SPACE SC		Earle G
2000	NSM	SPACE SC			Earle G
2001	NSM		SPACE SC		Earle G
2005	NSM	Physics	Center for Space Sciences		Earle G
2005	NSM	Physics	Center for Space Sciences		Earle G
2005	NSM	Physics	Center for Space Sciences		Earle G
2006	NSM	Physics	Center for Space Sciences		Earle G
2006	NSM		Center for Space Sciences		Earle G
2006	SS	Social Science			Eckel
2006	SS	Social Science			Eckel
2006	SS	Social Science			Eckel
2006	SS	Social Science			Eckel
2006	ECS	Mathematical Sciences			Efromovich
2006	NSM	Mathematical Sciences			Efromovich
2000	SS	SOCIAL SC		6-39289	Elliott E
2000	AH	AH			Evans K
2001	AH	PERFOR			Evans K
2001	AH	PERFOR			Evans K
2005	AH	Art and Performance			Evans K
2000	HD		CLC		Fair G
2000	HD		CLC		Fair G
2000	HD		CLC		Fair G
2001	HD		CLC	6-44080	Fair G
2001	HD		CLC	6-31385	Fair G
2001	HD		CLC	6-31380	Fair G
2001	HD		CLC	6-31375	Fair G

2002	GS	GEN STUDY	6-31605	Fair G
2002	GS	GEN STUDY	6-31600	Fair G
2002	HD	CLC		Fair G
2002	HD	CLC		Fair G
2002	HD	CLC	6-31530	Fair G
2002	HD	CLC		Fair G
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2003	GS	GEN STUDY		Fair G
2005	GS	General Studies		Fair G
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2005	GS	General Studies		Fair G
2006	GS	Geosciences		Fair G
2006	GS	General Studies		Fair G
2006	GS	General Studies		Fair G
2006	GS	General Studies		Fair G
2006	GS	General Studies		Fair G
2006	GS	General Studies		Fair G
2006	GS	Dean's Office		Fair G
2006	ECS	Computer Science		Farago A
2000	SS	SOCIAL SC		Fass S
2000	SS	BRUTON	6-38036	Fass S
2003	SS	SOCIAL SC		Fass S
2000	NSM	PHYSICS		Fenyves E
2002	NSM	PHYSICS	6-31660	Fenyves E
2004	NSM	PHYSICS		Fenyves E
2005	NSM	Physics		Fenyves E
2006	NSM	Physics		Fenyves E
2000	NSM	LITHOS ST		Ferguson J
2001	NSM	LITHOS ST		Ferguson J
2002	NSM	LITHOS ST		Ferguson J
2003	NSM	LITHOS ST		Ferguson J
2003	NSM	LITHOS ST	6-39062	Ferguson J
2003	NSM	LITHOS ST		Ferguson J
2003	NSM	LITHOS ST		Ferguson J
2006	NSM	Geosciences		Ferguson J
2000	NSM	CHEMISTRY	6-39275	Ferraris J
2000	NSM	CHEMISTRY		Ferraris J
2000	NSM	CHEMISTRY	6-39308	Ferraris J
2000	NSM	CHEMISTRY	6-39309	Ferraris J
2000	NSM	CHEMISTRY	6-39307	Ferraris J
2001	NSM	CHEMISTRY		Ferraris J
2001	NSM	CHEMISTRY		Ferraris J
2001	NSM	CHEMISTRY	6-39342	Ferraris J
2001	NSM	CHEMISTRY	6-39343	Ferraris J
2002	NSM	CHEMISTRY	6-39348	Ferraris J
2002	NSM	CHEMISTRY	6-39354	Ferraris J
2003	NSM	CHEMISTRY		Ferraris J
2003	NSM	CHEMISTRY	6-31766	Ferraris J
2004	NSM	CHEMISTRY		Ferraris J
2004	NSM	CHEMISTRY		Ferraris J

2005	NSM	Chemistry				Ferraris J
2005	NSM	Chemistry				Ferraris J
2005	NSM	Chemistry				Ferraris J
2005	NSM	Nanotechnology Institute				Ferraris J
2006	NSM	Dean's Office				Ferraris J
2006	NSM	Dean's Office				Ferraris J
2000	NSM		SPACE SC			Fesen C
2001	NSM		SPACE SC	6-31500		Fesen C
2000	ECS	ELEC ENG				Fonseka J
2000	ECS	ELEC ENG		6-31235		Fonseka J
2000	ECS	ELEC ENG				Frensley W
2000	ECS	ELEC ENG				Frensley W
2001	ECS	ELEC ENG				Frensley W
2004	ECS	ELEC ENG				Frensley W
2005	ECS	Electrical Engineering				Frensley W
2005	ECS	Electrical Engineering				Frensley W
2006	ECS	Electrical Engineering				Frensley W
2000	HD		CALLIER			Friel-Patti S
2000	HD	CD		6-31460		Friel-Patti S
2000	ECS	ELEC ENG		6-39283		Fumagalli A
2001	ECS	ELEC ENG		6-39344		Fumagalli A
2001	ECS	ELEC ENG				Fumagalli A
2002	ECS	ELEC ENG				Fumagalli A
2005	NSM	Physics				Gartstein
2006	NSM	Physics				Gartstein
2006	NSM	Physics				Gartstein
2001	HD	CD				Gerken G
2002	HD		CALLIER	6-44088		Gerken G
2005	BBS	Neuroscience				Gilley P
2002	NSM	PHYSICS				Glosser R
2004	ECS	ELEC ENG		6-31888		Gnade B
2004	ECS	ELEC ENG				Gnade B
2004	ECS	ELEC ENG	ELEC ENG		ELEC ENG	Gnade B
2005	ECS	Electrical Engineering				Gnade B
2005	ECS	Electrical E	Materials Science			Gnade B
2005	ECS	Electrical Engineering				Gnade B
2005	ECS	Materials Science				Gnade B
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2006	ECS	Materials Science				Gnade B
2006	ECS	Materials Science				Gnade B
2006	ECS	Materials Science				Gnade B
2000	ECS	ELEC ENG		6-39306		Goeckner M
2005	ECS	Electrical Engineering				Goeckner M
2005	ECS	Electrical Engineering				Goeckner M

2005	ECS	Electrical Engineering			Goeckner M
2006	ECS	Electrical Engineering			Goeckner M
2000	HD	HDCS			Golden R
2001	HD	HDCS	6-31490		Golden R
2003	HD	NEUROSC			Golden R
2004	HD	HDCS			Golden R
2004	HD	HDCS			Golden R
2006	BBS	Brain and Behavioral Sciences			Golden R
2000	NSM	BIOLOGY			Gonzalez J
2000	NSM	BIOLOGY	6-31011		Gonzalez J
2000	NSM	BIOLOGY			Gonzalez J
2001	NSM	BIOLOGY	2-23232		Gonzalez J
2002	NSM	BIOLOGY	6-31675		Gonzalez J
2002	NSM	BIOLOGY			Gonzalez J
2003	NSM	BIOLOGY			Gonzalez J
2003	NSM	BIOLOGY			Gonzalez J
2004	NSM	BIOLOGY			Gonzalez J
2005	NSM	Molecular & Cell Biology			Gonzalez J
2005	NSM	Molecular & Cell Biology			Gonzalez J
2005	NSM	Molecular & Cell Biology			Gonzalez J
2005	NSM	Molecular & Cell Biology			Gonzalez J
2006	NSM	Molecular and Cell Biology			Gonzalez J
2006	NSM	Molecular and Cell Biology			Gonzalez J
2006	NSM	Molecular and Cell Biology			Gonzalez J
2001	NSM	BIOLOGY	6-31748		Goodman S
2002	NSM	BIOLOGY			Goodman S
2002	NSM	BIOLOGY			Goodman S
2002	NSM	BIOLOGY			Goodman S
2003	NSM	BIOLOGY			Goodman S
2005	NSM	Molecular & Institute of Biomedical Sciences & Technolog			Goodman S
2001	NSM	CHEMISTRY			Goux W
2002	NSM	CHEMISTRY			Goux W
2002	NSM	CHEMISTRY			Goux W
2003	NSM	CHEMISTRY			Goux W
2005	NSM	Chemistry			Goux W
2005	NSM	Chemistry			Goux W
2006	NSM	Chemistry			Goux W
2006	NSM	Chemistry			Goux W
2006	NSM	Chemistry			Goux W
2006	NSM	Chemistry			Goux W
2000	HD	HDCS	2-23023		Granott N
2001	HD	HDCS			Granott N
2000	NSM	BIOLOGY			Gray D
2000	NSM	BIOLOGY			Gray D
2001	NSM	BIOLOGY	6-43099	6-43117	Gray D
2001	NSM	BIOLOGY			Gray D
2001	NSM	BIOLOGY			Gray D
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2003	NSM	BIOLOGY			Gray D
2004	NSM	BIOLOGY			Gray D
2005	NSM	Molecular & Cell Biology			Gray D

2006	NSM	Molecular and Cell Biology			Gray D
2006	SS	Geospacial Information Sciences			Griffith
2001	ECS	COMP SC	6-31034		Gupta G
2001	ECS	COMP SC			Gupta G
2001	ECS	COMP SC			Gupta G
2001	ECS	COMP SC	6-31035		Gupta G
2001	ECS	COMP SC			Gupta G
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2004	ECS	COMP SC			Gupta G
2005	ECS	Computer Science			Gupta G
2005	ECS	Computer Science			Gupta G
2006	ECS	Electrical Engineering			Gupta G
2006	ECS	Computer Science			Gupta G
2002	NSM	CHEMISTRY			Haines D
2002	NSM	CHEMISTRY			Haines D
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2003	NSM	CHEMISTRY			Haines D
2005	NSM	Chemistry			Haines D
2005	NSM	Chemistry			Haines D
2000	NSM	SPACE SC			Hairston M
2005	NSM	Space Scie	Center for Space Sciences		Hairston M
2005	NSM	Space Science			Hairston M
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2006	NSM	Center for Space Sciences			Hairston M
2006	NSM	Center for Space Sciences			Hairston M
2006	NSM	Center for Space Sciences			Hairston M
2005	BBS	Behavioral & Brain Sciences			Halpern
2006	ECS	Electrical Engineering			Hansen J
2006	ECS	Electrical Engineering			Hansen J
2006	ECS	Electrical Engineering			Hansen J
2006	ECS	Electrical Engineering			Hansen J
2006	ECS	Electrical Engineering			Hansen J
2002	ECS	COMP SC	6-31555		Harabagiu S
2004	ECS	COMP SC	6-31866		Harabagiu S
2005	ECS	Computer Science			Harabagiu S
2006	ECS	Computer Science			Harabagiu S
2001	OTHER		6-37061	IR	Hargrove W
2003	ECS				Harris E D
2003	ECS				Harris E D
2005	ECS	Dean's Office			Harris E D
2005	ECS	CyberSecurity and Emergency Preparedness Institute			Harris E D
2006	ECS	Dean's Office			Harris E D
2006	ECS	CyberSecurity and Emergency Preparedness Institute			Harris E D

2006	ECS	Computer Science			Harris E D
2001	MGMT	MGMT			Haruvy E
2003	MGMT	MGMT			Haruvy E
2005	SOM	Marketing			Haruvy E
2006	SOM	Marketing			Haruvy E
2006	ECS	Computer Science			Hatzivassiloglou
2000	NSM		SPACE SC	6-30941	Heelis R
2000	NSM		SPACE SC		Heelis R
2000	NSM		SPACE SC		Heelis R
2002	NSM		SPACE SC	6-31876	Heelis R
2002	NSM		SPACE SC		Heelis R
2003	NSM		SPACE SC		Heelis R
2003	NSM		SPACE SC		Heelis R
2005	NSM	Physics			Heelis R
2005	NSM	Space Scie	Center for Space Sciences		Heelis R
2005	NSM	Space Scie	Center for Space Sciences		Heelis R
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2006	NSM	Physics	Center for Space Sciences		Heelis R
2006	NSM	Physics	Center for Space Sciences		Heelis R
2006	NSM		Center for Space Sciences		Heelis R
2006	NSM		Center for Space Sciences		Heelis R
2006	NSM	Space Sciences			Heelis R
2002	NSM		SPACE SC		Heikkila W
2005	NSM	Physics			Heikkila W
2006	NSM	Physics	Center for Space Sciences		Heikkila W
2006	ECS	Computer Science			Herrera-Gomez
2000	NSM	PHYSICS		6-37046	Hoffman J
2000	NSM	PHYSICS		6-31315	Hoffman J
2000	NSM	PHYSICS		6-31275	Hoffman J
2001	NSM	PHYSICS			Hoffman J
2001	NSM	PHYSICS		6-44085	Hoffman J
2002	NSM	PHYSICS			Hoffman J
2003	NSM	PHYSICS			Hoffman J
2003	NSM	PHYSICS		6-31758	Hoffman J
2003	NSM	PHYSICS			Hoffman J
2003	NSM	PHYSICS			Hoffman J
2003	NSM	PHYSICS		6-31797	Hoffman J
2003	NSM	PHYSICS			Hoffman J
2005	NSM	Physics			Hoffman J
2006	NSM	Physics			Hoffman J
2006	NSM	Physics			Hoffman J
2000	SS	SOCIAL SC			Holmes J
2005	BBS	Psychological Sciences			Holub
2006	ECS	Electrical Engineering			Hu W
2006	ECS	Electrical Engineering			Hu W
2006	ECS	Electrical Engineering			Hu W
2006	ECS	Electrical Engineering			Hu W
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki

2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2006	NSM	Physics			Ishak-Boushaki
2000				IR	Jackson D
2000	NSM	MATH			Jafri S
2000	NSM	MATH			Jafri S
2001	NSM	MATH	2-23234		Jafri S
2000	SS	SOCIAL SC	6-43077		Jargowsky P
2000	SS	SOCIAL SC	6-43080		Jargowsky P
2000	SS	BRUTON			Jargowsky P
2003	SS	BRUTON			Jargowsky P
2006	SS	Texas Schools Project			Jargowsky P
2000	HD	HDCS			Jerger S
2001	HD	HDCS			Jerger S
2002	HD	HDCS			Jerger S
2003	HD	HDCS	6-31782		Jerger S
2000	ECS	COMP SC			Jue J
2000	ECS	COMP SC			Jue J
2001	ECS	COMP SC	6-31665		Jue J
2006	ECS	Telecommunications Engineering			Jue J
2000	NSM	BIOLOGY			Junker M
2000	NSM	BIOLOGY			Junker M
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2003	NSM	BIOLOGY			Junker M
2004	NSM	BIOLOGY			Junker M
2004	NSM	BIOLOGY	6-44108		Junker M
2005	NSM	Molecular & Cell Biology			Junker M
2005	NSM	Molecular & Cell Biology			Junker M
2000	OTHER	GREEN			Kain J
2000	OTHER	GREEN	6-43078		Kain J
2003	OTHER			GREEN CE	Kain J
2003	OTHER		6-43128	GREEN CE	Kain J
2006	ECS	Computer Science			Kantarcioglu
2006	ECS	Computer Science			Kantarcioglu
2000	HD	CALLIER			Katz W
2001	HD	CD			Katz W
2001	HD	CD			Katz W
2005	BBS	Communication Sciences and Disorders			Katz W
2002	ECS	ELEC ENG			Kehtarnavaz N

2002	ECS	ELEC ENG	6-31575	Kehtarnavaz N
2002	ECS	ELEC ENG		Kehtarnavaz N
2003	ECS	ELEC ENG		Kehtarnavaz N
2003	ECS	ELEC ENG		Kehtarnavaz N
2003	ECS	ELEC ENG		Kehtarnavaz N
2004	ECS	ELEC ENG		Kehtarnavaz N
2005	ECS	Electrical Engineering		Kehtarnavaz N
2005	ECS	Electrical Engineering		Kehtarnavaz N
2005	ECS	Electrical Engineering		Kehtarnavaz N
2006	ECS	Electrical Engineering		Kehtarnavaz N
2000	SS	SOCIAL SC	6-31161	Kelly R
2000	SS	SOCIAL SC		Kelly R
2000	SS	SOCIAL SC		Kelly R
2000	SS	SOCIAL SC		Kelly R
2000	SS	SOCIAL SC		Kelly R
2002	ECS	COMP SC		Khan L
2002	ECS	COMP SC		Khan L
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2003	ECS	COMP SC		Khan L
2004	ECS	COMP SC		Khan L
2005	ECS	Computer Science		Khan L
2005	ECS	Computer Science		Khan L
2004	ECS	ELEC ENG		Kiasaleh K
2002	SS	SOCIAL SC		Kiel D
2000	HD	HDCS		Kilgard M
2001	HD	NEUROSC		Kilgard M
2001	HD	NEUROSC		Kilgard M
2002	HD	NEUROSC	6-43110	Kilgard M
2002	HD	NEUROSC		Kilgard M
2003	HD	NEUROSC		Kilgard M
2006	BBS	Neuroscience		Kilgard M
2006	BBS	Neuroscience		Kilgard M
2006	BBS	Neuroscience		Kilgard M
2006	BBS			Kilgard M
2006	BBS	Neuroscience		Kilgard M
2005	ECS	Electrical Engineering		Kim J
2006	ECS	Materials Science		Kim J
2004	ECS			Kim M
2004	ECS	ELEC ENG		Kim M
2004	ECS	ELEC ENG		Kim M
2005	ECS	Electrical Engineering		Kim M
2005	ECS	Electrical Engineering		Kim M
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2005	ECS	Electrical Engineering		Kim M
2005	ECS	Electrical Engineering		Kim M
2006	ECS	Electrical Engineering		Kim M
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2006	ECS	Electrical Engineering		Kim M
2006	ECS	Electrical Engineering		Kim M
2006	ECS	Electrical Engineering		Kim M

2006	ECS	Electrical Engineering		Kim M
2006	NSM	NanoTech Institute		Kozlov M
2000	AH	AH		Kratz D
2003	AH	AH	6-44101	Kratz D
2006	AH	American History		Kratz D
2006	BBS	Cognition & Neuroscience		Krawczyk
2005	SS	Anthropology		Leaf
2006	SS	Social Science		Leaf
2000	NSM	SCI ED		Ledbetter C
2001	ECS	ELEC ENG		Lee JB
2002	ECS	ELEC ENG		Lee JB
2002	ECS	ELEC ENG		Lee JB
2002	ECS	ELEC ENG		Lee JB
2003	ECS	ELEC ENG	6-31786	Lee JB
2004	ECS	ELEC ENG		Lee JB
2005	ECS	Electrical Engineering		Lee JB
2005	ECS	Electrical Engineering		Lee JB
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2006	ECS	Electrical Engineering		Lee JB
2006	ECS	Electrical Engineering		Lee JB
2006	AH	Provost's Office		Leonard C
2003	SS	SOCIAL SC	6-37079	Leonard K
2006	SS	Criminology		Leonard K
2000	NSM	BIOLOGY		Levene S
2000	NSM	BIOLOGY		Levene S
2001	NSM	BIOLOGY	6-30271	Levene S
2003	NSM	BIOLOGY		Levene S
2003	NSM			Levene S
2004	NSM	BIOLOGY		Levene S
2005	NSM	Molecular & Institute of Biomedical Sciences & Technolog		Levene S
2005	NSM	Molecular & Cell Biology		Levene S
2006	NSM	Institute of Biomedical Sciences and Technol		Levene S
2006	NSM	Institute of Biomedical Sciences and Technol		Levene S
2002	NSM	GEOSCIENCE	6-31710	Leybourne M
2003	NSM	GEOSCIENCE		Leybourne M
2002	AH	AH	6-39357	Linehan T
2000	ECS	ELEC ENG		Liu J
2000	ECS	ELEC ENG		Liu J
2000	ECS	ELEC ENG		Liu J
2001	ECS	ELEC ENG	6-39311	Liu J
2001	ECS	ELEC ENG		Liu J
2002	ECS	ELEC ENG		Liu J
2006	ECS	Electrical Engineering		Liu J
2006	ECS	Computer Science		Liu Y
2006	ECS	Computer Science		Liu Y
2006	ECS	Computer Science		Liu Y

2006	ECS	Computer Science		Liu Y
2005	SS	Economics		Lofstrom
2005	SS	Economics		Lofstrom
2003	SS	SOCIAL SC		Lofstrom M
2000	ECS	ELEC ENG		Loizou P
2001	ECS	ELEC ENG		Loizou P
2002	ECS	ELEC ENG		Loizou P
2004	ECS	ELEC ENG		Loizou P
2005	ECS	Electrical Engineering		Loizou P
2005	ECS	Electrical Engineering		Loizou P
2005	ECS	Electrical Engineering		Loizou P
2001	HD	NEUROSC		Lomber S
2002	HD	NEUROSC		Lomber S
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2003	HD	NEUROSC		Lomber S
2003		NEUROSC		Lomber S
2004	HD	NEUORSC		Lomber S
2004	HD	NEUROSC	6-31820	Lomber S
2005	BBS	Neuroscience		Lomber S
2004	ECS	ELEC ENG		MacFarlane D
2005	ECS	Electrical Engineering		MacFarlane D
2005	ECS	Electrical Engineering		MacFarlane D
2005	ECS	Electrical Engineering		MacFarlane D
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2006	ECS	Electrical Engineering		MacFarlane D
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2006	ECS	Electrical Engineering		MacFarlane D
2006	ECS	Electrical Engineering		MacFarlane D
2006	ECS	Electrical Engineering		MacFarlane D
2006	BBS	Cognition & Neuroscience		Maguire
2005	NSM	Chemistry		Manohar
2004	NSM	GEOSCIENCE		Manton W
2000	HD	HD		Marchman V
2000	HD	HDCS	6-43082	Marchman V
2001	HD	HDCS		Marchman V
2001	HD	PSY		Marchman V
2006	SS	Criminology		Marquart
2004	MGMT	MGMT	6-37078	McCracken J
2005	SS	Economics		McFarlin
2005	SS	Economics		McFarlin

2006	SS	Economics				McFarlin
2006	SS	Social Science				McFarlin
2006	SS	Economics				McFarlin
2001	NSM	LITHOS ST		6-43104		McMechan G
2001	NSM		LITHOS ST	2-23235		McMechan G
2003	NSM		LITHOS ST			McMechan G
2005	NSM	Lithospheric Studies				McMechan G
2006	NSM	Earth Sciences				McMechan G
2006	NSM	Geosciences				McMechan G
2002	ECS	DEAN OFF				McNerney R
2000	NSM	CHEMISTRY		2-23226		Melton L
2001	NSM	CHEMISTRY				Melton L
2001	NSM	CHEMISTRY		2-23236		Melton L
2003	NSM	CHEMISTRY				Melton L
2004	NSM	CHEMISTRY				Melton L
2005	NSM	Chemistry				Melton L
2003	MGMT	MGMT				Menon N
2002	ECS	COMP SC				Mihalcea R
2000	ECS	COMP SC		6-39279		Mili R
2001	ECS	COMP SC				Mili R
2003	ECS	COMP SC				Mili R
2000	NSM	BIOLOGY				Miller D
2000	NSM	BIOLOGY				Miller D
2006	BBS	Psychological Science				Mills
2003	ECS					Minn H
2003	ECS	ELEC ENG				Minn H
2005	ECS	Electrical Engineering				Minn H
2005	ECS	Electrical Engineering				Minn H
2006	ECS	Electrical Engineering				Minn H
2006	ECS	Electrical Engineering				Minn H
2005	ECS	Computer Science				Mittal
2006	ECS	Computer Science				Mittal
2006	ECS	Computer Science				Mittal
2002	NSM	GEOSCIENCE		6-31753		Mitterer R
2003	NSM	GEOSCIENCE				Mitterer R
2001	ECS	COMP SC		2-23237		Moldovan D
2003	ECS	COMP SC				Moldovan D
2004	ECS	COMP SC	COMP SC		COMP SC	Moldovan D
2000	OTHER				SPECIAL F	Montemayor A
2000	NSM	SCI ED				Montgomery H
2003	NSM	SCI ED		6-37077		Montgomery H
2000	SS		BRUTON	6-44074		Murdoch J
2000	SS		BRUTON	6-31295		Murdoch J
2000	SS		BRUTON	6-30181		Murdoch J
2000	SS		BRUTON	6-39310		Murdoch J
2001	SS		BRUTON			Murdoch J
2005	SS	Economics				Murdoch J
2006	SS	Economics				Murdoch J
2000	NSM	CHEMISTRY				Musselman I
2001	NSM	CHEMISTRY				Musselman I
2002	NSM	CHEMISTRY		6-43118		Musselman I

2004	NSM	CHEMISTRY		2-23249	Musselman I
2005	NSM	Chemistry			Musselman I
2005	NSM	Chemistry			Musselman I
2006	NSM	Chemistry			Musselman I
2006	NSM	Chemistry			Musselman I
2006	SOM				Natarajan
2005	ECS	Computer Science			Ng
2006	ECS	Computer Science			Ng
2006	NSM	Chemistry			Nielsen
2006	NSM	Chemistry			Nielsen
2003	NSM	SCI ED			Nix R
2005	GS	General Studies			Nix R
2001	ECS		CSCSP		Nosratinia A
2001	ECS		CSCSP		Nosratinia A
2003	ECS	COMP SC			Nosratinia A
2003	ECS				Nosratinia A
2005	ECS	Electrical Engineering			Nosratinia A
2005	ECS	Electrical Engineering			Nosratinia A
2006	ECS	Electrical Engineering			Nosratinia A
2000	ECS	ELEC ENG			Nourani M
2001	ECS	ELEC ENG			Nourani M
2001	ECS	ELEC ENG		6-31505	Nourani M
2001	ECS	ELEC ENG			Nourani M
2001	ECS	ELEC ENG			Nourani M
2005	ECS	Electrical Engineering			Nourani M
2006	ECS	Computer Science			Ntafos S
2001	ECS		CSCSP		Ober R
2001	ECS		ENG MATI	6-31560	Ober R
2001	ECS		CSCSP		Ober R
2003	ECS	ELEC ENG			Ober R
2004	ECS		CSCSP		Ober R
2005	ECS	Electrical E	Center for Systems, Comm. & Signal Process		Ober R
2006	ECS	Electrical E	Center for Systems, Communications and Sig		Ober R
2006	ECS	Electrical Engineering			Ober R
2000	HD	HDCS			O'Toole A
2000	HD	HDCS			O'Toole A
2000	HD	HDCS		6-31113	O'Toole A
2006	BBS	Cognition & Neuroscience			O'Toole A
2000	ECS	ELEC ENG		6-39288	Overzet L
2002	ECS	ELEC ENG			Overzet L
2005	ECS	Electrical Engineering			Overzet L
2006	ECS	Electrical Engineering			Overzet L
2001	HD	HDCS		6-31201	Owen M
2003	HD	HDECD		6-31745	Owen M
2003	HD	PSYCHOLOGY			Owen M
2003	HD	PSYCHOLOGY			Owen M
2005	BBS	Early Childhood Disorders			Owen M
2005	BBS	Psychological Sciences			Owen M
2006	BBS	Psychology			Owen M
2005	NSM	Molecular & Cell Biology			Pace B
2005	NSM	Molecular & Cell Biology			Pace B

2005	NSM	Molecular & Cell Biology			Pace B
2006	NSM	Molecular and Cell Biology			Pace B
2006	NSM	Molecular a	Sickle Cell Disease Research Center		Pace B
2006	NSM		Sickle Cell Disease Research Center		Pace B
2005	ECS	Electrical Engineering			Panahi
2006	ECS	Electrical Engineering			Panahi
2006	ECS		Center for Systems Comm & Signal Processir		Panahi
2006	ECS		Center for Systems Comm & Signal Processir		Panahi
2003	NSM	PHYSICS			Panhuis M
2000	NSM	CHEMISTRY	6-43085	6-43119	Pantano P
2001	NSM	CHEMISTRY			Pantano P
2001	NSM	CHEMISTRY			Pantano P
2003	NSM	CHEMISTRY	6-43132		Pantano P
2006	NSM	Chemistry			Pantano P
2005	SOM	International Management			Peng
2000	MGMT	MGMT	6-39280		Perkins S
2000	MGMT	MGMT	6-39301		Perkins S
2001	MGMT	MGMT	6-39312		Perkins S
2001	MGMT	MGMT	6-39313		Perkins S
2000	ECS	COMP SC			Pervin W
2000	NSM	GEOSCIENCE	6-30322		Pessagno E
2003	NSM	GEOSCIENCE			Pessagno E
2003	SS	SOCIAL SC	6-43130		Pineres S
2005	SS	Economics			Pineres S
2006	SS	Social Science			Pineres S
2001	ECS	COMP SC			Prabhakaran B
2005	ECS	Computer Science			Prabhakaran B
2000	ECS	COMP SC	6-39291		Prakash R
2000	ECS	COMP SC	6-31310		Prakash R
2000	ECS	COMP SC			Prakash R
2003	ECS	COMP SC	6-31765		Prakash R
2005	ECS	Computer Science			Prakash R
2001	NSM	GEOSCIENCE			Presnall D
2003	NSM	GEOSCIENCE			Presnall D
2005	NSM	Geosciences			Presnall D
2003	SS	CRIME/JUST			Qiu F
2003	SS				Qiu F
2005	SS	Geographic Information Sciences			Qiu F
2001	ECS	COMP SC			Raghavachari B
2003	ECS	COMP SC			Raghavachari B
2005	ECS	Computer Science			Raghavachari B
2000	NSM	MATH			Ramakrishna V
2001	NSM	MATH			Ramakrishna V
2003	NSM	MATH			Ramakrishna V
2004	NSM	MATH			Ramakrishna V
2005	NSM	Mathematical Sciences			Ramakrishna V
2005	NSM	Mathematical Sciences			Ramakrishna V
2006	NSM	Mathematical Sciences			Ramakrishna V
2000	NSM	BIOLOGY			Reitzer L
2000	NSM	BIOLOGY			Reitzer L
2001	NSM	BIOLOGY			Reitzer L

2003	NSM	BIOLOGY	6-31783		Reitzer L
2003	NSM	BIOLOGY			Reitzer L
2003	NSM	BIOLOGY			Reitzer L
2005	NSM	Molecular & Cell Biology			Reitzer L
2006	NSM	Molecular and Cell Biology			Reitzer L
2000	OTHER			POLICE	Ridge C
2003	OTHER				Ridge C
2005	SS	Political Science/Public Affairs			Robinson
2006	SS	Social Sciences			Robinson
2000	HD	CALLIER	6-37045		Roeser R
2000	HD	CALLIER	6-44076		Roeser R
2001	HD	CALLIER	6-39332		Roeser R
2002	HD	CALLIER			Roeser R
2002	HD	CALLIER			Roeser R
2005	BBS	Communication Disorders			Rollins
2006	BBS	Behavioral & Brain Sciences Clinical			Rollins
2000	MGMT	MGMT			Ryu Y
2000	MGMT	MGMT			Ryu Y
2005	ECS	Electrical Engineering			Sangireddy
2005	ECS	Electrical Engineering			Sangireddy
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2000	ECS	ELEC ENG			Saquib M
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2003	ECS	ELEC ENG			Saquib M
2005	ECS	Electrical Engineering			Saquib M
2004	ECS	COMP SC			Sarac K
2005	ECS	Computer Science			Sarac K
2006	ECS	Computer Science			Sarac K
2006	ECS	Computer Science			Sarac K
2005	AH	Translation Center for Translation Studies			Schulte
2006	AH	Center for Translation Studies			Schulte
2000	ECS	COMP SC			Schweitzer H
2000	ECS	COMP SC			Schweitzer H
2001	ECS	COMP SC	2-23238		Schweitzer H
2002	ECS	COMP SC			Schweitzer H
2001	SS	SS			Scotch R
2006	SS	Social Science			Scotch R
2002	SS	SOCIAL SC			Seldon B
2003	SS	POL ECON			Seldon B
2006	ECS	Electrical Engineering			Seldon B
2006	ECS	Electrical Engineering			Seldon B
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2001	NSM	MATH	6-31036		Serfling R
2005	NSM	Mathematical Sciences			Serfling R
2001	ECS	COMP SC			Sha E
2001	ECS	COMP SC			Sha E

2001	ECS	COMP SC	2-23239			Sha E
2006	ECS	Computer Science				Sha E
2006	ECS	Computer Science				Sha E
2003	ECS	ELEC ENG	6-31794			Sha H
2003	HD	CD				Sharma A
2006	BBS	Callier Advaced Hearing Research Center				Sharma A
2000	NSM	CHEMISTRY				Sherry D
2001	NSM	CHEMISTRY				Sherry D
2001	NSM	CHEMISTRY				Sherry D
2001	NSM	CHEMISTRY	2-23240			Sherry D
2002	NSM	CHEMISTRY				Sherry D
2002	NSM	CHEMISTRY				Sherry D
2002	NSM	CHEMISTRY	6-43120	6-43136		Sherry D
2003	NSM	CHEMISTRY				Sherry D
2004	NSM	CHEMISTRY				Sherry D
2005	NSM	Chemistry				Sherry D
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2001	NSM	CHEMISTRY	6-43103	6-43121		Sibert J
2001	NSM	CHEMISTRY				Sibert J
2003	NSM	CHEMISTRY				Sibert J
2004	NSM	CHEMISTRY				Sibert J
2004	NSM	CHEMISTF CHEMISTRY			CHEMISTF	Sibert J
2006	NSM	Chemistry				Sibert J
2000	SS	BRUTON				Smirnov O
2000	SS	BRUTON				Smirnov O
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2000	SS	BRUTON				Smirnov O
2001	SS	BRUTON				Smirnov O
2005	BBS	Behavioral & Brain Sciences				Spence
2006	BBS	Psychology				Spence
2000	MGMT	MGMT				Sriskandarajah C
2000	MGMT	MGMT				Sriskandarajah C
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2001	NSM	BIOLOGY				Stephen L
2001	NSM	BIOLOGY				Stephen L
2000	NSM	LITHOS S	6-31260			Stern R
2000	NSM	GEOSCIENCE				Stern R
2003	NSM	LITHOS ST	6-31790			Stern R
2003	NSM	LITHOS S	6-31771			Stern R
2004	NSM	GEOSCIENCE	6-31831			Stern R
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2006	NSM	Geosciences				Stern R
2006	NSM	Geosciences				Stern R
2006	AH	Political Science				Stewart

2003	HD	CD		6-31808	Stillman R
2001	ECS	COMP SC		6-31445	Syrotiuk V
2002	ECS	COMP SC			Syrotiuk V
2001	HD		CALLIER		Thibodeau L
2000	HD	HDCS			Thompson L
2005	ECS	Computer Science			Thuraisingham
2005	ECS	Sensor Networks			Thuraisingham
2005	ECS	Computer Science			Thuraisingham
2006	ECS	Computer Science			Thuraisingham
2006	SS	Social Science			Tiefelsdorf
2006	SS	Social Science			Tiefelsdorf
2000	NSM		SPACE SC		Tinsley B
2002	NSM		SPACE SC		Tinsley B
2003	NSM		SPACE SC	6-31770	Tinsley B
2005	NSM	Physics	Space Sciences		Tinsley B
2006	NSM		Center for Space Sciences		Tinsley B
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2000	HD		CALLIER	6-39300	Tobey E
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2001	HD		CALLIER	6-31635	Tobey E
2001	HD		CALLIER	6-31615	Tobey E
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2003	HD		CALLIER		Tobey E
2004	HD	HDCS		6-44106	Tobey E
2005	BBS	Communic	Callier Center		Tobey E
2006	BBS	Communication Sciences & Disorders			Tobey E
2006	BBS	Communic	Callier Advanced Hearing Research Center		Tobey E
2006	BBS	Communication Sciences & Disorders			Tobey E
2006	BBS				Tobey E
2006	BBS				Tobey E
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2000	ECS		CATSS		Tollis I
2002	ECS	COMP SC		6-39345	Tollis I
2000	ECS	ELEC ENG		6-39293	Torlak M
2000	ECS	ELEC ENG			Torlak M
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2002	SS		CRIME/JUST		Tracy P
2001	ECS	COMP SC			Treumper K
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2005	ECS	Computer Science			Uma R
2000	HD	HDCS			Underwood M
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2001	HD	PSY			Underwood M

2002	HD	PSY	6-31740		Underwood M
2005	BBS	Developmental Psychology			Underwood M
2006	BBS	Psychological Sciences			Underwood M
2003	NSM	SCI ED			Urguhart M
2005	NSM	Science and Math Education			Urguhart M
2005	NSM	Science and Math Education			Urguhart M
2006	Other	Library			Venetis
2003	ECS	COMP SC			Venkatesan S
2005	ECS	Computer Science			Venkatesan S
2006	ECS	Computer Science			Venkatesan S
2006	NSM	Physics	Center for Space Sciences		Venkatraman S
2006	NSM		Center for Space Sciences		Venkatraman S
2000	SS		ED/SOC POL		Vicknair K
2000	SS		ED/SOC P	6-44072	Vicknair K
2000	SS		ED/SOC P	6-44073	Vicknair K
2005	SS	Economics			Vijverberg W P
2001	OTHER		6-37062	MC LIBRA	Vik J
2006	ECS	Electrical Engineering			Vogel
2005	ECS	Electrical Engineering			Wallace R
2006	ECS	Materials Science			Wallace R
2001	ECS	COMP SC			Wang Y
2002	ECS	COMP SC			Wang Y
2004	ECS	COMP SC			Wang Y
2004	ECS	COMP SC			Wang Y
2000	ECS	ELEC ENG	6-44062		Wetsel G
2002	ECS	COMP SC	6-31762		Wong E
2003	ECS	EMBED SW			Wong E
2004	ECS	COMP SC	COMP SC	COMP SC	Wong E
2005	ECS	Computer Science			Wong E
2005	ECS	Computer Science			Wong E
2005	ECS	Computer Science			Wong E
2005	ECS	Computer Science			Wong E
2005	ECS	Computer	Embedded Software Center		Wong E
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2006	ECS	Embedded Software			Wong E
2006	ECS	Embedded Software			Wong E
2000	OTHER			GSR	Worsfold V
2003	ECS	COMP SC	6-31764		Wu W
2003	ECS	COMP SC			Wu W
2005	ECS	Computer Science			Wu W
2005	ECS	Computer Science			Wu W
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2006	ECS	Computer Science			Wu W
2006	NSM	Molecular and Cell Biology			Xia
2006	NSM	Molecular and Cell Biology			Xia
2006	NSM	Chemistry			Xia
2006	NSM	Molecular and Cell Biology			Xia
2006	NSM	Chemistry			Xia
2006	NSM	Molecular and Cell Biology			Xia
2000	NSM	BIOLOGY			Yasbin R

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2003	NSM	BIOLOGY		Yasbin R
2000	ECS	CASSE	6-44070	Yen I
2002	NSM	CHEMISTRY		Zakhidov A
2003	NSM	PHYSICS		Zakhidov A
2003	NSM	PHYSICS		Zakhidov A
2004	NSM	CHEMOSTRY		Zakhidov A
2005	NSM	Chemistry		Zakhidov A
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2005	NSM	Nanotechnology Institute		Zakhidov A
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2006	NSM	NanoTech Institute		Zakhidov A
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2006	NSM	NanoTech Institute		Zakhidov A
2001	ECS	COMP SC		Zhang K
2001	ECS	COMP SC		Zhang K
2002	ECS	COMP SC	6-31690	Zhang K
2003	ECS	COMP SC		Zhang K
2004	ECS	COMP SC		Zhang K
2005	ECS	Computer Science		Zhang K
2006	ECS	Computer Science		Zhang K
2006	ECS	Computer Science		Zhang K
2001	ECS	COMP SC	6-39328	Zheng S
2003	ECS	COMP SC		Zheng S
2005	ECS	Computer Science		Zheng S
2005	ECS	Computer Science		Zheng S
2005	ECS	Computer Science		Zheng S
2001	ECS	ELEC ENG	6-31350	Zhou D
2002	ECS	ELEC ENG		Zhou D
2003	ECS	ELEC ENG	6-31779	Zhou D

PI2	PI3	PI4	SPONSOR	SUBSPON
Abdel-Salam M			NASA	
Abdel-Salam M	Leybourne M	Leybourne M	NSF	
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Abdi H			NICHD	
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Aiken C			National Science Foun	
Aiken C	Urquhart M	Urquhart, Mary	National Science Foun	
Aiken C	Ferguson J	Ferguson J	NSF	
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Al-Dhahir N			National Science Foun	
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Al-Dhahir N	Farago A	Farago, Andras	National Science Foun	
Alexander B	Berg N	Berg, Nathan	Metanexus Institute	
Alexander B	Wilson C	Wilson, Carole	National Science Foun	
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Balkus K	Musselman I	Musselman, Inga	Department of Energy	
Balkus K	Musselman I	Musselman, Inga	Department of Energy	
Balkus K	Musselman I	Musselmann, Inga	UTD - SPRING	
Balsara P			NSF	
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Balsara P			NSF	
Barlett J	Thompson L	Thompson L	NIH	
Basagni S			UCLA	DOD/ONR
Bastani F	Ntafos S	Ntafos S	NSF	
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Bastani F	Deng Y	Deng Y	NSF	
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Baughman R			NSF	
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Baughman R	Draper R	Draper R K	NIH	
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Baughman R	Dieckmann G	Dieckmann G		
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Bergman S			PRF
Bergman S			National Science Foun
Beron, Kurt	Abdi H	Abdi, Herve	The University of Texa
Bespamyatnikh S	Daescu O	Daescu O	NSF
Bhatia D	Cantrell C	Cantrell, Cyrus	National Science Foun
Bhattacharya J			DOE
Biewer M			NSF
Bober K			Texas Higher Educatio
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Briggs R	Fang Q	Fang Qiu	Environmental Protecti
Brikowski T	Stern R	Stern, Robert	National Science Foun
Buhrmester D			NSF
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Cakanyildirim M	Sethi S	Sethi, Suresh	National Science Foun
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Chaney R			RAYTHEON TI SYS
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Chapman S	Draper R	Draper, Rockford	Howard Hughes Medic
Chapman S	Balakrishnan P	Balakrishnan Prabhakaran	National Science Foun
Chapman S	Linehan T	Linehan, Thomas	National Science Foun
Chapman S	Hart J	Hart, John	National Science Foun
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Chlamtac I			CB ARP
Chung L			NSF
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Clark K			NIH NIDCD
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Collins S	Gartstein Y	Gartstein, Yuri	National Science Foun
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Dark M	Morales L	Morales, Linda	National Science Foun	
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Dodge N	Osborne W	Osborne W	NSF	
Draper R	Ferraris J	Ferraris, John	National Science Foun	
Draper R	Gnade B	Gnade, Bruce	National Institutes of H	
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Farago A			NSF	
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Farago A			NSF	
Farago A	Burnham G	Burnham G	NSF	
Farago A	Prakash R	Prakash R	NSF	
Farago A	Prakash R	Prakash R	NSF	
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Farago A	Chlamtac I	Chlamtac I	SAIC	DOD/DARP
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Farago A			DARPA	DARPA

Farago A	Al-Dhahir N	Al-Dhahir, Naofal	National Science Foun
Farkas G			BARBARA BUSH FN
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Ferraris J	Zakhidov A	Zakhidov, Anvar	National Science Foun
Ferraris J			UTD - SPRING
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Ferraris J	Aliev A	Aliev, Ali	Solarno Inc./Dept of Er
Fonseka J			NSF
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Fonseka J	Zhang K	Zhang, Kang	Texas Technology Wo
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Fumagalli A	Tacca M	Tacca, Marco	National Science Foun
Gao J			Southern M National Sc
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Gartstein Y	Zakhidov A	Zakhidov, Anvar	National Science Foun
Glosser R			National Science Foun
Gnade B			National Science Foun
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Goeckner M	Cunningham A	Cunningham A	NSF
Goeckner M			WESTERN LIFE SC
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Goeckner M			WESTERN LIFE SC
Goeckner M	Baughman R	Baughman R	NSF
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Goodman S	Ammann L	Ammann, Larry	American Health Assis
Goodman S	D'Mello S	D'Mello, Santosh	Alzheimer's Associatio
Goodman S			National Institutes of H
Granott N			NSF
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Gupta G	Prakash R	Prakash R	NSF
Gupta G	Bastani F	Bastani F	TI INC
Gupta G	Krishnan R	Krishnan R	NSF
Gupta G	Ntafos S	Ntafos S	NSF
Gupta R			YOTTA NETWORKS
Gupta R	Andreescu T	Andreescu, Titu	National Science Foun

Gupta R	Zhang K	Zhang, Kang	National Science Foun
Gupta R	Hansen J	Hansen, John	Texas Higher Educatio
Hairston			NSF
Hairston	Gardner T	Gardner, Trevor	National Sc UT Austin
Hammack H			MICH TEC NASA
Hande A			National Science Foun
Hande A			National Institutes of H
Hanke A			National Institutes of H
Hansen J			Honda Initiation Grant
Harabagiu S			NSF
Hart J	D'Esposito M	D'Esposito, Mark	Forrest C. Lattner Four
Hart J			United Negro College F
Haruvy E			NSF
Hayslett-Mccall K			DOJ
Hayslett-Mccall K			United States Departm
Hayslett-Mccall K	Qiu F	Qiu, Fang	Department of Justice
Heelis R			NASA
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Hoffmann t	Leonard R	Leonard, Rachelle	National Collegiate Ath
Holcombe L	Jargowsky P	Jargowsky, Paul	National Science Foun
Hooshyar A	Choudhary P	Choudhary, Pankaj	National Science Foun
Housson M	Giedd J	Giedd J	TIMBERLAWN FN
Hunt L			TI INC DOD/DARF
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Huynh DT	Venkatesan S	Venkatesan S	NSF
Ismaili P			National Science Foun
Jafri S			FSU
Jargowsky P			Katy ISD
Jargowsky P			Mesquite ISD
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	US	010116	3/2/2001	6/1/2001	5/30/2002	97604	46850	144454
	US	010058	########	6/1/2001	5/31/2003	28313	13590	41903
	US	020126	2/13/2002	12/1/2002	12/1/2005	97719	46905	144624
ınd Space Administratic		050020	09/27/2004					########
	US	030211	3/27/2003	9/1/2003	8/31/2007	288642	124268	412910
BAA 00-29	US	000126	3/27/2000	8/1/2000	7/31/2004	303351	84079	387430
rogram		060178	02/15/2006					########
ıdation		050273	05/19/2005					########
ıdation (NSF)		060274	05/09/2006					########
	US	000058	########	6/1/2000	5/31/2002	139786	48233	188019
ıdation		050287	06/01/2005					########
ıdation (NSF)		060292	05/22/2006					########
ıdation		050162	02/07/2005					########
ıdation		050131	01/21/2005					########
		060009	09/14/2005					########
ıdation (NSF)		060376	08/18/2006					########
		060218	01/15/2006					########
	TX	040008	9/5/2003	1/1/2004	########	89259		89259
ıdation		050205	03/14/2005					########
lealth (NIH)		060154	01/31/2006					########
	O	000027	10/7/1999	2/1/2000	1/31/2001	10000		10000
Audiology Foundation		060072	11/10/2005					$5,000.00
	TX	010242	8/13/2001	1/1/2002	########	74861		74861
	US	020045	11/2/2001	12/1/2001	########	117568	32432	150000
		050334	08/18/2005					########
		060247	04/07/2006					########
		050245	04/08/2005					########
	US	010119	3/13/2001	9/1/2001	8/31/2004	67950	32616	100566
	US	010141	4/25/2001	9/1/2001	8/31/2004	67950	32616	100566
	US	010172	7/6/2001	1/1/2002	########	121243	0	121243
ıce Office		060391	08/29/2006					########
stice		060217	03/10/2006					########
	US	030100	########	9/1/2003	8/31/2006	98244	41397	139641
	US	P00007		9/1/2000	8/31/2003	179091	85964	265055
	US	000050	########	9/1/2000	8/31/2002	81770	34930	116700
	US	010020	9/26/2000	7/1/2001	6/30/2004	250000	333311	583311
	US	000036	########	4/1/2000	4/1/2015	90223	43307	133530
	US	010079	1/19/2001	6/1/2001	5/31/2004	59168	28401	87569
	CO	000042	11/1/1999	1/1/2000	1/1/2005	500000		500000
	US	010050	11/3/2000	6/1/2001	5/31/2004	291547	127942	419489
	US	030098	########	9/1/2003	8/31/2006	104316	50072	154388
TR		050014	09/09/2004					########
ıdation/Arizona State U		050280	05/27/2005					########
AWAR		050103	01/04/2005					########
	US	020074	########	7/1/2002	6/30/2003	67568	32433	100001
	US	030016	9/25/2002	7/1/2002	6/30/2007	250000	120000	370000
	US	030252	6/26/2003			250000	123750	373751
	US	030091	12/9/2002	8/1/2003	7/31/2006	200153	96073	296226
		030205	3/24/2003	9/1/2003	8/31/2008	719325	280677	1000001
	US	030189	3/6/2003	9/1/2003	8/31/2008	355754	144247	500001

		060254	4/18/2006					########
	O	040090	########	7/1/2004	9/1/2006	41000		41000
ıdation		050288	06/01/2005					########
.s Southwestern Medica		050138	01/26/2005					########
	US	030173	2/10/2003	9/1/2003	8/31/2007	285726	116684	402410
ıdation (NSF)		060223	03/02/2006					########
	US	010060	12/1/2000	6/1/2001	5/31/2004	181831	87279	269110
	US	030039	########	7/1/2003	6/30/2004	67047	32183	99230
›n Coordinating Board		050155	02/09/2005					########
›nsortium		050220	03/31/2005					########
	US	030215	4/22/2003	9/1/2003	8/31/2008	120626	18675	139301
	FN	030202	3/19/2003	5/1/2003	8/31/2003	18992	950	19942
	US	030194	3/10/2003			215991	74355	290346
	US	030126	1/14/2003	2/1/2003	2/28/2004	83028	39853	122881
ınity Empowerment		060085	12/06/2005					########
ion Agency		050325	07/22/2005					########
ıdation		050204	03/10/2005					########
	US	000187	6/7/2000	1/1/2001	########	685869	185143	871012
lealth (NIH)		060322	06/30/2006					########
	US	030053	11/1/2002	6/15/2003	8/14/2005	53100	25488	78588
ıdation		050025	10/04/1004					########
ıdation		050112	11/25/2004					########
.		060143	12/01/2005					########
›n Coordinating Board (		060172	02/15/2006					########
		030118	1/9/2003	9/1/2003	8/31/2006	644637	110412	755049
	US	030130	1/22/2003	12/1/2003	########	350306	90057	440363
		040030	9/2/2003	1/1/2004	########	65000		65000
	US	030255	6/18/2003			69666	29782	99449
	TX	000038	########	########	8/31/2003	35000		35000
	US	030181	1/28/2003	12/1/2003	########	60811	29189	90000
ıdation		050076	12/01/2004					########
	CO	P00012				30000	14400	44400
lealth (NIH)		060082	12/05/2005					########
:al Institute		050305	06/09/2005					########
ıdation		050317	07/15/2005					########
ıdation		050182	02/23/2005					########
ıdation (NSF)		060189	02/21/2006					########
ıdation (NSF)		060024	09/26/2005					########
lealth (NIH)		060315	06/21/2006					########
	TX	010238	8/13/2001	1/1/2002	########	59000		59000
	US	030103	########	6/1/2003	5/31/2006	93867	45056	138923
ıdation		050306	06/20/2005					########
	US	000047	########	7/1/2000	6/30/2003	250000	87500	337500
ıdation (NSF)		060361	08/17/2006					########
on		050214	03/24/2005					########
on		050256	04/28/2005					########
	US	030125	6/17/2003			20270	10034	30304
)5 TR&T		060001	09/02/2005					########
ıdation (NSF)		060074	11/15/2005					########
	US	040086	11/4/2003	9/1/2004	8/31/2007	32332	16004	48336
	US	030002	4/1/2003	10/1/2003	10/1/2006	203000	47025	250025

	US	030105	########	8/1/2003	8/3/2006	118978	57109	176087
ıdation (NSF)		060103						########
	US	000168	6/19/2000	2/1/2001	1/31/2003	52800	25344	78144
ıdation		050186	02/23/2005					########
	TX	020104	1/30/2002	5/1/2002	9/30/2002	81400	6512	87912
		030021	9/30/2002	9/1/2002	8/31/2003	23920	0	23920
	US	030227	5/14/2003	9/1/2003	8/15/2004	24890	0	24890
ɔn Coordinating Board		050154	02/09/2005					########
.s at Austin		050327	07/28/2005					########
ılity Grants		060124	01/17/2006					########
	US	030038	########	7/1/2003	6/30/2007	339897	157871	497768
	US	040072	########	7/2/2004	6/30/2008	338090	161910	500000
		050006	09/15/2004					########
	TX	040007	9/2/2003	1/1/2004	########	31250		31250
UTD PIN 0	O	P00003		6/1/2001	6/30/2001			
	O	000106	1/28/2000	5/1/2001	5/31/2001	20000		20000
	FN	000190	6/14/2000	6/1/2000	7/31/2000	19430	0	19430
ıdation		050116	01/10/2005					########
ıologies		050282	05/26/2005					########
	US	010055	########	5/1/2001	4/30/2006	437040	197778	634818
	US	040361	########	1/4/2004	3/31/2008	359281	140719	500000
		050237	04/08/2005					########
C		060098						########
	O	030096	12/6/2002	7/1/2003	6/30/2005	56362	2636	61998
	O	030095	12/6/2002	7/1/2003	6/30/2007	59050	5905	64955
	US	000200	7/6/2000	1/1/2001	1/1/2004	161285	36617	197902
ıdation (NSF)		060081	11/29/2005					########
lealth/UHV		050024	10/01/2004					########
ıdation (NSF)		060207	03/02/2006					########
	US	000041	12/3/1999	2/1/1999	9/30/2003	304054	145946	450000
	US	000071	2/2/2000	7/1/2000	9/30/2005			4708000
	US	000070	2/11/2000	7/1/2000	7/31/2005			250000
	US	000060	2/14/2000	7/1/2000	8/31/2005			74506000
ınd Space Administratic		050098	2/1/2005					########
ɔbotics		060086	12/08/2005					########
ɔbotics		060087	12/08/2005					########
ɔbotics		060102						########
	US	020206	5/27/2002	5/1/2003	5/1/2006	340102	10328	350430
lealth		050224						########
	US	010087	1/29/2001	9/1/2001	########	680175	15310	695485
	US	030099	12/2/2002	7/1/2003	6/30/2006	109368	52497	161865
	US	P00006		9/1/2000	8/31/2003	798819	124233	923052
	US	P00005		9/1/2000	8/31/2003			300000
	US	000125	2/11/2000	1/1/2001	2/15/2000	127448	61175	188623
	US	000161	4/25/2000	1/1/2001	########	104323	50075	154398
	US	030032	########	6/1/2003	5/31/2008	560439	38400	598839
	US	040140	1/21/2004	9/1/2004	8/31/2007	281323	4950	286273
UTD PIN 0	US	P00004		9/1/2000	8/31/2003			250000
ᴾA	US	000100	1/26/2000	9/1/2000	8/31/2003	163821	78634	242455
	US	010071	########	9/1/2001	8/31/2004	113077	54277	167354
	US	020022	9/27/2001	1/1/2002	########	103561	46829	160390

ıdation (NSF)		060206	03/02/2006					########
	FN	000010	9/9/1999	8/1/2000	5/31/2001	42000	7140	49140
RPS	US	000077	########	9/1/2000	8/31/2001	651740	20949	672689
	FN	010134	4/10/2001	8/1/2001	########	35332	5300	40632
		060243						$0.00
	TX	030193	3/6/2003	6/1/2003	7/25/2003	8100	0	8100
	US	040070	########	5/1/2004	4/30/2005	85186	42167	127353
ıdation (NSF)		060166	02/07/2006					########
ıdation (NSF) NIRT		060090	11/29/2005					########
		050246	04/08/2005					########
eyfus Foundation, Inc.		050267	05/09/2005					########
nergy		060092	12/01/2005					########
	US	010123	3/26/2001	1/1/2002	########	160148	58631	218779
		050079	12/02/2004					########
rkforce Development		050209	03/17/2005					########
	TX	000037	########	########	8/31/2003	35000		35000
	TX	020133	2/18/2002	6/1/2002	5/31/2003	50000		50000
ıdation		050193	03/03/2005					########
	TX	010219	8/14/2001	1/1/2002	########	114379		114379
	TX	010196	8/14/2001	1/1/2002	########	30000		30000
	US	030246	5/29/2003			173484	79811	253295
ıdation (NSF)		060197						########
cience Foundation		060164	02/07/2006					########
entific Research (AFOS		060351	07/31/2006					########
ıdation		050066	11/18/2004					########
ıdation		050047	11/12/2004					########
ıdation		050046	11/12/2004					########
o Devices		060094						########
rch Corporation		050258	04/29/2005					########
ıdation		050049	11/12/2004					########
	US	000090	1/18/2000	8/1/2000	7/31/2002	468873	34800	503673
	CO	030006	9/3/2002	9/2/2002	8/31/2003	23986	11513	35500
	US	030015	9/25/2002	1/1/2003	########	191594	63583	255177
	CO	030204	3/23/2003	9/1/2003	8/31/2004	80962	30919	111881
	US	030124	1/10/2003	8/15/2003	8/14/2006	147242	70676	217918
uments		050109	01/07/2005					########
		050243	04/08/2005					########
TR		060245	04/05/2006					########
lealth (NIH)		060298	06/01/2006					########
	US	030178	3/1/2003	5/1/2003	9/30/2003	69533	1636	71169
stance Foundation		050018	09/30/2004					########
n		060111						########
lealth		050187	03/01/2005					########
	US	010078	1/16/2001	6/1/2001	5/31/2003	31965	15343	47308
	US	020087	1/14/2002	6/1/2002	5/31/2004	40838	19602	60440
	US	020028	########	9/1/2002	8/31/2006	427000	60000	487000
	CO	030108	########	1/1/2003	8/31/2003	35274	0	35274
	US	030066	11/7/2002			145480	69830	215310
	US	030156	2/3/2003	9/1/2003	8/31/2006	96250	0	96250
	CO	010177	6/5/2001	6/1/2001	12/1/2001	11976	4308	16284
ıdation		050286	06/02/2005					########

ıdation (NSF)		060312	06/19/2006					########
›n Coordinating Board (		060328	06/30/2006					########
	US	010007	########	3/1/2001	2/28/2004	47183	22648	69831
		060063	12/19/2005					########
	US	000003	9/15/1999	9/1/1999	2/28/2000	32423	10763	43186
ıdation (NSF)		060031	10/07/2005					########
lealth (NIH)		060153						########
lealth		050141	02/01/2005					########
		060355	08/01/2006					########
	US	030168	2/10/2003	6/1/2003	5/31/2008	368386	168491	536877
ndation		060228	03/06/2006					########
Fund (UNCF)		060240	12/15/2005					########
	US	030115	1/7/2003	6/1/2003	5/31/2004	35260	16925	52185
	US	030165	2/11/2003	7/1/2003	7/28/2004	445561	165113	610674
ıent of Justice		050089	12/13/2004					########
		060135	01/19/2006					########
	US	000171	6/20/2000	2/1/2001	1/31/2004	46447	22295	68742
	US	000170	6/21/2000	2/1/2001	1/31/2003	47485	22793	70278
ınd Space Administratic		050099	2/1/2005					########
	US	030127	1/29/2003	5/20/2003	5/15/2004	24000	0	24000
	US	030128	1/29/2003			24500	0	24500
	US	000061	2/10/2000	11/1/1900	########	265021	84079	349100
	US	010008	########	3/1/2001	2/28/2004	48392	23228	71620
	US	030134	1/29/2003	5/15/2001	5/14/2004	22000	0	22000
ATM-0001(	US	000073	1/5/2000	6/1/2000	5/31/2003	45038	21618	66656
	US	020001	9/17/2001	1/1/2002	########	53101	25489	78590
	US	020181	5/15/2002	9/1/2002	8/31/2005	53195	25534	78729
ınd Space Administratic		060003	09/07/2005					########
	US	000098	1/28/2000	7/1/2000	6/30/2001	22000	0	22000
	US	010083	1/30/2001	7/1/2001	6/30/2002	22000		22000
	US	020095	1/29/2002	5/15/2002	5/14/2003	24000	0	24000
	O	030192	3/6/2003	5/1/2003	5/1/2005	3650	0	3650
ıletic Association (NCA		050203	01/04/2005					########
ıdation		050271	05/16/2005					########
ıdation		050222	03/30/2005					########
	FN	010070	########	1/15/2000	10/1/2002	15000		15000
PA	US	000035	########	4/3/2000	3/31/2004	93398	44831	138229
search Projects Agenc		050173	02/15/2005					########
	US	P00008		9/1/2000	8/31/2003	120819	57993	178812
ıdation (NSF)		060194						$7,972.00
	O	000211	7/20/2000	6/1/2001	8/31/2001	3000	0	3000
		060388	08/28/2006					$1,500.00
		060389	08/28/2006					$800.00
		060393	08/25/2006					########
	US	030123	1/14/2003	5/1/2003	4/30/2004	30000	2400	32400
	O	030069	########	7/1/2003	6/30/2003	4500	0	4500
	US	P02002	3/14/2002	12/1/2003	12/2/2008	928798	245231	1174029
	US	030149	1/30/2003			89857	43131	132988
rogram		060180	02/15/2006					########
	US	000049	########	7/1/2000	6/30/2001	50676	24324	75000
	US	010130	4/4/2001	8/1/2001	7/31/2001	21500		21500

	US	030086	12/3/2002	5/1/2003	4/30/2004	27589	0	27589
uffalo		050158	02/04/2005					########
ıdation		050192	03/03/2002					########
telligence Agency (NG/		050217	03/28/2005					########
entific Research		050279						########
		060096						########
ıia University		060097	12/14/2005					########
		060248	04/07/2006					########
e		060269						########
ıdation (NSF)		060357	08/09/2006					########
		060367	08/15/2006					########
ıdation (NSF)		060227						########
ınd Security		060193	02/23/2006					########
	O	010101	2/14/2001	6/1/2001	6/1/2002	2500	0	2500
	US	010129	4/4/2001	8/1/2001	7/31/2004	24500		24500
	US	040074	########	4/1/2004	3/30/2008	402145	96485	498630
cas		050070	11/29/2004					########
·ch		060048	11/02/2005					$0.00
		060027	10/03/2005					########
ıdation		050130	01/27/2005					########
miconductor Research		060221	03/06/2006					########
	TX	040029	9/2/2003	1/1/2004	1/1/2006	44708		44708
	US	000001	9/13/1999	1/1/2000	########	78970	32623	111593
	FN	030188	3/6/2003	5/15/2003	5/14/2004	29970	0	29970
n		050044	11/08/2004					########
		050266	05/10/2005					########
	TX	010075	1/10/2001	3/1/2001	3/31/2002	41984		41984
	US	030240	5/19/2003	1/1/2004	########	253688	97361	351049
	CO	030133	1/23/2003	1/15/2003	1/14/2004	192903	72841	265744
ıdation		050263	05/05/2005					########
		050190	02/28/2005					########
	US	010025	10/5/2000	6/1/2000	5/31/2002	133751	64200	197951
	US	010040	########	6/1/2001	5/31/2002	168766	81008	249774
	US	010077	1/16/2001	6/1/2001	5/31/2002	130062	62430	192492
	US	020025	10/9/2001	9/1/2002	8/31/2006	208488	100074	308562
	US	010157	6/5/2001	8/1/2001	7/31/2004	14500	6960	21460
	US	010158	6/5/2001	8/1/2001	7/31/2004	41893	20109	62002
	US	020193	5/29/2002	12/1/2002	########	35330	16959	52289
	US	020011	9/18/2001			46484	3382	49866
	US	000152	4/10/2000	9/1/2000	8/31/2000	59300	24624	83924
		050244	04/08/2005					########
ıdation		050272	06/20/2005					########
	US	020163	4/1/2002	9/1/2002	8/31/2005	94747	45479	140226
	TX	040024	9/4/2003	1/1/2004	########	10000		100000
rogram		060181	02/15/2006					########
lealth (NIH)		060338	07/12/2006					########
lealth (NIH)		060332	07/14/2006					########
lealth		050311						########
lealth (NIH)		060075						########
lealth		050218	04/04/2005					########
073098	US	000096	1/19/2000	4/15/2000	4/14/2002	235199	61089	344122

	US	010035	########	4/15/2001	4/14/2004	194323	60319	254642
	US	010155	5/28/2001	7/15/2001	4/14/2004	20000		20000
	US	020090	2/13/2002	4/15/2002	1/14/2004	173402	56598	230000
	US	030195	4/1/2003	4/15/2003	4/14/2004	13514	6486	20000
	US	000034	########	9/1/2000	8/31/2005	256954	6909	263863
	US	010039	########	9/1/2001	8/31/2006	231245	6500	237745
	US	030003	6/3/2003			2701327	841026	3452368
ıdation (NSF)		060095	11/29/2005					########
	US	040066	########	6/1/2004	5/31/2008	874558	274383	1148942
		030068	########	12/1/2002	########	787432	327567	1114999
utism Research		060141						########
	US	030233	5/9/2003	9/1/2003	8/31/2006	227653	90413	318066
	US	030166	2/11/2003	9/1/2003	8/31/2007	601481	255163	856644
ıdation		050128	01/27/2005					########
ıdation		050318	07/18/2005					########
	US	030037	########	3/1/2003	2/28/2005	16580	3316	19896
	US	040063	########	3/1/2004	2/28/2006	13580	2716	16296
		050086	12/09/2004					########
ıdation		050111	01/12/2005					########
	O	030084	11/8/2002	12/1/2002	6/1/2003	6646	1662	8308
	US	000142	3/29/2000	9/1/2000	8/31/2002	47330	22718	70048
	US	030216	4/11/2003	10/1/2003	9/30/2005	593690	71859	665549
	US	030180	3/1/2003	6/1/2004	5/31/2006	76009	37624	113633
	TX	040021	9/5/2003	1/1/2004	########	65575		65575
	US	030059	11/5/2002	9/1/2003	8/31/2006	36850	5527	42377
ıdation (NSF)		060310	06/06/2006					########
	US	030250	6/17/2003			110335	49665	160000
	O	000062	12/3/1999	6/1/2000	5/31/2001	52256		52256
	O	000208	7/11/2000	1/1/2001	########	65631	0	65631
	US	000068	########	2/1/2000	1/31/2001	26968	12945	39913
		060369	08/15/2006					########
ın Coordinating Board		050157	02/09/2005					########
ılity Grants		060122	01/17/2006					########
	US	030232	5/6/2003	1/1/2004	1/1/2007	86375	42756	129131
	TX	010203	8/13/2001	1/1/2002	########	96200		96200
	US	000056	12/1/1999	7/1/2000	6/30/2003	107169	51441	158610
	US	030007	9/16/2002	4/1/2003	3/31/2006	95742	45956	141698
CCR-9988	US	000015	9/17/1999	5/15/2000	5/14/2003	145363	45708	191071
ıdation		060204	02/22/2006					########
	US	030278	7/30/2003			126766	62749	189515
lealth		050073	12/01/2004					########
	US	000083	1/12/2000	8/1/2000	9/30/2003	130971	38386	169357
	TX	010222	8/14/2001	1/1/2002	########	111862		111862
		030159	2/6/2003			92850	32150	125000
	TX	040014	9/4/2003	1/1/2004	########	96562		96562
ıdation		050147	02/01/2005					########
		050110	01/07/2005					########
ıdation (NSF)		060114						########
		060158						########
ıdation (NSF)		060010	09/13/2005					########
ıing Technology Fund -		060099	12/21/2005					########

strial Technology (KITE		060152	01/30/2006					########
lealth (NIH)		060302	06/01/2006					########
osalynn Carter Institute		060241	03/30/2006					########
lealth		050309	06/27/2005					########
of Texas at Arlington		050210	03/17/2005					########
	TX	000040	########	########	8/31/2003	35000		35000
ndation for Internationa		050338	08/31/2005					$6,210.00
cy		050133	01/24/2005					########
	US	010164	6/14/2001	10/1/2001	9/30/2002	133648	64151	197799
lealth (NIH)		060377	08/18/2006					########
	US	040071	########	4/1/2004	3/31/2005	43860	21711	65571
	US	000185	6/12/2000	1/1/2001	########	116284	36616	152901
ıdation		050331	08/16/2005					########
on Coordinating Board		050275	05/26/2005					########
	US	010173	7/6/2001	6/1/2002	5/31/2005	45920	0	45920
	US	030162	2/10/2003	9/1/2003	8/31/2006	239598	103751	343349
ıdation (NSF)		060208	03/02/2006					########
ıdation (NSF)		060209	03/02/2006					########
		050326	07/15/2005					########
ıdation		050196	03/11/2005					########
		050329	08/11/2005					########
ıdation		050091	12/15/2004					########
	O	030050	11/1/2002	1/1/2003	1/1/2004	18000	0	18000
ıdation		050156						########
on Coordinating Board		050207	03/15/2005					########
ınd Space Administratic		060301	06/02/2006					########
		060304	06/01/2006					########
		060317	06/23/2006					########
		060318	06/26/2006					########
on		060079	11/28/2005					########
ndation		060018	09/22/2005					########
lucation		060083	11/10/2005					########
	US	020136	2/21/2002	8/1/2002	7/31/2003	20000	0	20000
	US	020119	2/6/2002	8/1/2002	7/31/2003	20000	0	20000
	TX	010165	6/20/2001	1/1/2001	8/31/2002	44000		44000
	TX	010209	8/13/2001	1/1/2002	########	93100		93100
e		060205	02/25/2006					########
ıdation		050122	01/14/2005					########
	US	030217	4/9/2003	10/1/2003	9/30/2006	112931	55901	168832
ıdation		050083						########
rogram		060185	02/15/2006					########
		020116	2/5/2002	9/1/2002	8/31/2005	109405	52514	161919
	US	020044	11/1/2001	6/1/2002	5/3/2004	117652	56472	174124
	US	020214	6/20/2002	1/15/2003	1/14/2006	124181	59607	183788
	US	010080	1/17/2001	8/1/2001	7/31/2004	115264	55327	170591
Audiology		060066						$4,950.00
	O	020123	2/5/2002	7/1/2002	7/1/2003	2500	0	2500
	O	030081	########	8/1/2003	7/31/2006	72728	7272	80000
stance Foundation		050017	09/30/2004					########
	US	010104	2/14/2001	2/1/2001	1/31/2007	355363	78181	433544
	US	010118	3/2/2001	9/1/2001	8/31/2004	301836	67601	369436

ıdation		050285	06/01/2005					########
	US	020083	1/10/2002	9/2/2002	8/31/2005	100001	45222	145223
	US	000129	2/28/2000	9/1/2000	7/31/2003	70210	18341	88550
ıdation		050172	02/10/2005					########
	US	010228	8/14/2001	1/1/2002	########	62139		62139
;TERN UNI\	US	010152	5/21/2001	1/1/2002	########	28900	10115	39015
	US	030140	1/30/2003	9/1/2003	8/31/2006	40946	19654	60600
	US	000055	########	6/2/2000	5/31/2002	105944	47997	153991
	US	000123	2/10/2000	9/1/2000	8/31/2003	107152	48552	155704
	US	010054	########	9/1/2001	8/31/2004	68484	29992	98476
	TX	010237	8/13/2001	1/1/2002	########	78500		78500
	US	020118	2/7/2002	9/1/2002	8/31/2005	108462	49662	158124
	CO	030136	1/23/2003	1/16/2003	########	40540	19460	60000
		060384	08/28/2006					########
	US	010027	########	7/1/2001	6/30/2003	150000	67200	217200
	O	020122	1/29/2002	4/1/2002	4/1/2003	2500	0	2500
	O	020128	2/14/2002	4/1/2002	4/1/2003	1000	0	1000
	US	000031	########	1/8/2000	7/30/2004	195453	4546	199999
ıdation/NIRT		050060	11/12/2004					########
)ffice of Scientific Rese		060277	05/12/2006					########
ıdation		050219	03/30/2005					########
ıdation (NSF)		060226						########
ıdation		050261	05/03/2005					########
		050241	04/08/2005					########
ıdation (NSF)		060117	06/30/2005					########
ntal Protection Agency		060256	04/10/2006					########
lealth (NIH)		060344	07/14/2006					########
lealth (NIH)		060358	08/01/2006					########
	US	030218	4/22/2003	1/1/2004	########	50000	24750	74750
	US	000033	########	1/9/2000	8/31/2005	291704	8296	300000
	US	000191	6/14/2000	9/1/2000	8/31/2005	464858	30309	495167
	US	030164	2/12/2003	9/1/2003	8/31/2008	245054	4892	249946
guage Hearing Founda		060249	04/07/2006					$5,578.00
	US	010199	8/10/2001	6/1/2002	5/31/2003	28044		28044
	US	030101	########	6/1/2003	5/31/2006	18553	52105	170658
	TX	010239	8/15/2001	1/1/2002	########	200000		200000
	US	010010	9/14/2000	6/1/2001	5/31/2004	85359	40972	126331
	US	030055	11/4/2002	9/1/2003	8/31/2006	97603	46849	144452
	US	000122	2/1/2000	9/1/2000	8/31/2003	65313	29910	95223
	TX	040027	9/2/2003	1/1/2004	1/1/2006	70750		70750
	CO	010178	7/16/2001	10/1/2001	9/30/2002	162930	78206	241136
	CO	010243	8/17/2001	8/27/2001	8/26/2002	101337	48642	149979
	US	030071	########	12/1/2002	5/31/2004	397192	164252	561444
	FN	010146	5/4/2001	1/1/2002	########	10055		10055
	US	010073	########	9/1/2001	8/31/2003	50000	17500	67500
	FN	010161	6/8/2001	1/1/2002	########	5000		5000
	US	020171	4/17/2002			50000	17500	67500
	TX	010215	8/9/2001	1/1/2002	########	74400		74400
n		060060	11/08/2005					########
n		060326						########
n		060199	03/02/2006					########

lealth (NIH)		060071						########
ınd Space Administratic		050310	06/29/2005					########
ınd Space Administratic		060287	05/19/2006					########
	US	030247	6/4/2003			432506	74698	507204
	TX	000203	8/21/2000	8/7/2000	5/30/2001	9436	1604	11040
	TX	000204	8/21/2000	8/1/2000	5/30/2001	8547	1453	10000
	TX	000221	8/16/2000	8/28/2000	6/30/2001	82000		82000
	LG	000224	8/16/2000	8/1/2000	5/31/2001		2339	16100
	LG	000202	8/21/2000	8/1/2000	5/31/2001	35300	6000	41300
	TX	010016	9/11/2000	8/1/2000	5/31/2001			10000
	TX	010051	11/3/2000	9/20/2000	5/31/2001	49000		49000
	LG	000009	9/7/1999	8/16/1999	5/26/2000	54295	9230	63525
	LG	000008	9/7/1999	8/16/1999	5/26/2000	8547	1453	10000
ıdation		050226	04/05/2005					########
	US	030191	3/6/2003	8/15/2003	8/14/2006	278252	116784	395036
	US	030287	8/18/2003			329400		329400
	US	030288	8/18/2003			297600		297600
	CO	040078	########	10/1/2003	########	16691	8262	24954
ıdation		050048	11/08/2004					########
.s at Austin/DARPA		060038	10/13/2005					########
		060101	12/20/2005					########
, Internships, Exchange		060300	06/01/2006					########
		060372	08/15/2006					########
		060394	08/15/2006					########
		050035	10/25/2004					########
Education Alliance (SR		060339	05/01/2006					########
	US	010128	3/29/2001	6/1/2002	5/31/2007	32623	15659	48282
lealth		050088	03/01/2005					########
		050197	02/09/2005					########
	TX	010198	8/10/2001	1/1/2002	########	125000		125000
	US	020201	6/6/2002	1/1/2003	########	263335	78065	341400
	US	040062	########	4/1/2004	3/31/2008	133779	66220	199999
	CO	030261	7/2/2003			25984	12862	38846
		050085	12/09/2004					########
	TX	000039	########	########	8/31/2003	35000		35000
		050233						########
	US	020062	########	4/19/2002	4/18/2007	276100	98928	375028
	US	030040	########	7/1/2003	6/30/2004	67500	32400	99900
	CO	020056	12/6/2001	12/5/2001	12/5/2002	79600	20400	100000
		030010	9/19/2002			19000	0	19000
	TX	010244	8/14/2001	1/1/2002	########	97133		97133
	US	010063	12/6/2000	1/6/2001	5/31/2004	163050	0	163050
	US	030076	########	8/1/2003	7/31/2006	147854	0	147854
	US	040085	11/4/2003	8/1/2004	7/31/2007	156224		156224
on		060065						########
ıdation		050290						########
rogram		060179	02/16/2006					########
	TX	040011	9/3/2003	1/1/2004	########	75000		75000
entific Research (AFOS		060129	01/18/2006					########
ıdation		050160						########
	US	020124	2/12/2002			35159	16877	52036

	US	030153	2/3/2003	9/1/2003	########	16550	720	17270
	US	030155	2/3/2003	9/1/2003	9/30/2005	16470	720	17190
	US	040097	########	6/1/2004	5/30/2006	36589	18112	54701
ıdation		050050	11/05/2004					########
ıdation		050301	08/01/2005					########
ıdation (NSF)		060295	05/24/2006					########
	US	030169	2/13/2003	1/1/2003	########	70425	32088	102513
(Anonymously)		050202	02/27/2004					########
ı		050136						########
lealth		050137	01/28/2005					########
ɔciety		050232						########
lealth		050270						########
ɔciety		060080						########
ɔn Coordinating Board (		060167	02/15/2006					########
lealth (NIH)		060176	02/22/2006					########
		060386	08/31/2006					########
	CO	010171	7/20/2001	7/15/2001	########	14000	3500	17500
	CO	010251	9/5/2001	7/15/2001	2/1/2002	43850	9088	52938
	O	030132	1/22/2003	1/15/2003	4/15/2003	14400	3600	18000
	CO	030093	12/4/2002			2400	600	3000
	CO	040003	9/15/2003	9/1/2003	2/1/2004	30000	7800	37800
	TX	040009	9/3/2003	1/1/2004	1/1/2006	48700		48700
ıdation		050188	03/01/2005					########
rch Corporation		050248	04/15/2005					########
		050231	04/08/2005					########
ıdation		050040	11/02/2004					########
ınd Space Administratic		050228						$0.00
ınd Space Administratic		060210						$0.00
ıdation (NSF)		060212						$0.00
ınd Space Administratic		060320	07/12/2006					$0.00
	US	000093	1/18/2000	1/1/2001	########	72784	32056	104840
	TX	010202	8/13/2001	1/1/2002	########	70350		70350
	US	020101	1/30/2002	1/1/2003	########	98570	42514	143200
	US	030152	1/15/2003	9/1/2003	8/31/2006	80561	35789	116350
	US	030102	########	6/1/2003	5/31/2006	44530	21374	65904
esearch on Schizophre		050053	09/01/2004					########
	US	000063	12/9/1999	6/1/2000	5/31/2001	33784	16216	50000
	TX	000157	4/18/2000	5/29/2000	7/28/2000	8100		8100
	FN	010092	1/30/2001	6/1/2001	5/31/2004	45000	0	45000
	TX	010231	8/13/2001	1/1/2002	########	75000		75000
	US	030041	########	5/1/2003	4/30/2003	67567	32433	100000
	TX	040010	9/4/2003	1/1/2004	########	74000		74000
ıdation		050051	11/12/2004					########
ıdation		050056	11/17/2004					########
		050200	01/23/2005					########
		050239	04/08/2005					########
cience Foundation		060054	11/04/2005					########
		060131	01/17/2006					########
ɔciety		060260	04/21/2006					########
ıdation (NSF)		060012	09/14/2005					########
	US	020046	11/5/2001	5/1/2002	4/30/2005	23840	11443	35283

	US	030049	########	6/1/2003	5/31/2005	4780	2294	7074
ıdation		050042	11/01/2004					########
ıcy		060032	10/06/2005					########
	TX	010226	8/14/2001	1/1/2002	########	34750		34750
	TX	010200	8/13/2001	1/1/2002	########	99500		99500
		050003	09/03/2004					########
	TX	010230	8/13/2001	1/1/2002	########	73000		73000
		050010	09/01/2004					########
ıdation		050041	11/12/2004					########
search Projects Agenc		050058	11/12/2004					########
entific Research		050257	04/28/2005					########
		050340	06/01/2005					########
TTR		060057	09/16/2005					########
rogram		060231	02/16/2006					########
		060297	03/30/2006					########
		060337	07/11/2006					########
		060363	08/15/2006					########
Defense and Space (E		050072						########
ıcy (ESA)		050093						########
		050201	01/01/2005					########
rgie atomique		060013	09/14/2005					########
cience Foundation		050054	11/10/2004					########
	US	020198	6/5/2002	5/1/2002	9/30/2003	49605	3964	53569
	TX	020212	6/6/2002	7/1/2002	6/30/2004	24000	6000	30000
	US	030121	1/27/2003	7/1/2003	6/30/2006	45071	21634	66705
	US	040128	1/8/2004	6/1/2004	5/31/2006	44372	21964	66336
PA	US	010096	1/3/2001			126132	0	126132
	US	020143	12/5/2001	6/1/2002	5/31/2005	49858	23932	73790
	US	030056	11/4/2002	6/1/2003	5/31/2005	48179	23126	71305
	O	000089	1/14/2000	6/1/2000	8/31/2002	30000		30000
	O	030022	10/4/2002	3/1/2003	8/31/2006	34000	0	34000
	US	000215	7/25/2000	7/1/2001	6/30/2006	67567	32432	99999
	FN	010089	1/29/2001	6/1/2001	5/31/2004	45000		45000
	US	020080	1/4/2002			1469000	0	1469000
	US	010145	4/26/2001	10/1/2001	9/30/2006	2058320	939994	2998314
	CO	010175	7/10/2001	10/1/2001	10/1/2006	74277	35653	109930
	TX	020068	########	1/1/2002	########	795000	0	795000
	O	020069	########	1/1/2002	########	55000	0	55000
	US	020018	9/27/2001	1/1/2002	5/31/2003	34128	6061	40189
ıdation		050313	06/24/2005					########
ate University		050181	02/22/2005					########
		050195	03/02/2005					########
stitute of Justice		060215						########
	O	000085	1/12/2000	7/1/2000	6/30/2003	37032	2963	39995
	FN	000099	1/24/2000	6/1/2000	5/31/2003	45000		45000
	O	000188	6/9/2000	1/1/2001	########		6500	71500
	O	010038	########	7/1/2001	6/30/2003		6200	62000
	TX	010210	8/13/2001	1/1/2002	########	131500		131500
ATE	O	020086	1/10/2002	7/1/2002	6/30/2004	56363	5637	62000
	O	020085	1/10/2002	7/1/2002	6/30/2005	65000	6500	71500
	FN	020091	1/24/2002	6/1/2002	5/31/2005	50000		50000

	O	030120	1/9/2003	7/1/2003	6/30/2005	56363	5637	62000
	US	030116	1/7/2003	7/1/2003	6/30/2006	103697	49775	153472
	US	030260	7/7/2003			104219	51588	155807
	US	040137	1/20/2004	9/30/2004	9/25/2005	75000	37125	112125
	O	040141	1/21/2004	7/1/2004	6/30/2007	86956	13044	100000
ed Medical Research F		050129	1/31/2005					########
	US	P00011				118550	56904	175454
	LG	020177	4/24/2002	5/1/2002	8/1/2002	20000		20000
	O	030172	2/13/2003	2/15/2003	8/30/2003	18000	0	18000
	O	020031	########	########	8/31/2002	47264	22687	69951
	US	030209	3/27/2003	5/1/2003	6/30/2003	7758	0	7758
		050034	10/25/2004					########
	US	000028	10/7/1999	10/1/1999	9/30/2001	75594	32709	108303
	US	000029	########	8/1/2000	7/31/2005	296514	19457	315971
SS AM INC	TX	000143	3/28/2000	9/1/2000	9/1/2002	28625	2863	31488
	US	020070	########	4/19/2002	4/18/2007	2534745	465255	3000000
	US	030046	########	9/1/2003	8/31/2005	13158	1842	15000
	US	030044	########	9/1/2003	8/31/2005	13158	1842	15000
		030031	########			14893	1489	16382
	US	020200	6/5/2002	1/1/2003	########	10070	4834	14904
s at El Paso/National S		050336	06/14/2005					########
s at El Paso/National S		060267	05/03/2006					########
	US	010094	1/30/2001	5/1/2001	9/30/2002	55738	4459	60197
	O	000145	3/30/2000	9/1/2000	8/31/2001	5000		5000
	US	030280	7/21/2003			57172	24835	82007
dation (NSF)		060224						########
dation (NSF)		060334	07/18/2006					########
	CO	000052	########	1/1/2000	########	16892	8108	25000
	CO	000051	########	1/1/2000	########	16892	8108	25000
	CO	010014	9/18/2000	12/1/2000	########	37945	18214	56159
	CO	010015	9/18/2000	12/1/2000	########	38500	18480	56980
	TX	010195	8/9/2001	1/1/2002	########	76000		76000
	CO	030208	4/1/2003	4/1/2003	########	33445	16555	50000
		030276	8/1/2003			153920		153920
	TX	010204	8/13/2001	1/1/2002	########	27487		27487
		060250						########
		060360	08/10/2006					########
	FN	000013	9/16/1999	1/1/2000	########	128956		128956
	FN	000012	9/16/1999	1/1/2000	########	127956		127956
	FN	000023	9/29/1999	1/1/2000	########	159680		159680
RS ASSOC	O	000054	########	6/1/2000	5/31/2003	35983	3598	39581
	US	010052	########	7/1/2001	6/30/2003	38241	13384	51625
	FN	010127	1/11/2001	1/1/2001	########			50000
	CO	010126	1/31/2001	1/1/2001	########	50000		50000
	FN	020081	1/1/2002	1/1/2002	1/1/2003	15000		15000
		030135	1/29/2003	9/1/2003	8/31/2008	5625	0	5625
	US	040036	9/16/2003	7/1/2004	6/30/2008	183942	87182	271124
	US	040067	########	7/1/2004	6/30/2009	134853	65606	200459
lealth		050033	10/22/2004					########
ege of Medicine		050146	01/26/2005					########
stitutes of Health		050178	02/18/2005					########

lealth		050307	06/21/2005					########
n		060093	09/01/2005					########
lealth (NIH)		060138	01/24/2006					########
	US	010151	5/10/2001	1/1/2002	########	33771	16210	49981
	TX	010227	8/14/2001	1/1/2002	########	41700		41700
	FN	020167	4/15/2002	9/1/2002	8/31/2003	40000		40000
	US	010067	########	3/1/2001	2/28/2004	103607	49736	153353
	US	020132	2/15/2002	6/1/2002	5/31/2006	240488	96234	336722
	US	030234	5/9/2003	7/1/2003	6/30/2007	1077984	113749	1191733
lealth (NIH)		060148						########
	O	000026	10/4/1999	1/1/2000	########	10000		10000
	US	030284	8/18/2003			88848	14923	103771
ıdation (NSF)		060291	05/09/2006					########
	US	010059	12/1/2000	9/1/2001	8/31/2004	65344	31365	96709
ATM-0001(	US	000074	1/5/2000	6/1/2000	5/31/2003	43832	21039	64871
)ffice of Scientific Rese		060242						$0.00
ınd Space Administratic		060353	08/31/2006					$0.00
	US	010168	6/29/2001	12/1/2001	########	209460	100541	310001
	US	030045	########	12/1/2002	########	471622	142378	614000
		060362	08/15/2006					########
	US	000018	9/27/1999	4/1/2000	3/31/2003	16945	8133	25078
	US	010011	9/29/2000	6/1/2001	5/31/2004	17196	8254	25450
	US	020021	9/20/2001	6/1/2002	5/31/2005	18042	8660	26702
	US	020141	########	6/1/2002	9/30/2002	8100		8100
	US	030018	9/25/2002	6/1/2003	5/30/2006	11611	5573	17184
	US	040039	9/23/2003	6/1/2004	5/30/2007	12880	6375	19255
ıdation		050021	09/29/2004					########
National Laboratory		050216	03/25/2005					########
	US	030067	11/8/2002	6/1/2003	5/31/2005	91367	43856	135223
	US	000169	6/30/2000	2/1/2001	1/31/2004	47213	22662	69875
	US	010149	6/19/2001	1/1/2002	########	56728	27230	83958
	US	030197	5/12/2003	1/1/2004	########	59779	29591	89370
ıdation		050118	05/20/2005					########
ınd Space Administratic		050289	07/22/2005					$0.00
	US	020186	5/1/2002			8065		8065
		060365	08/15/2006					########
		050293	06/03/2005					$5,000.00
Center for Global Part		060073	11/18/2005					$5,000.00
.s at Arlington/Texas De		060236	03/20/2006					########
ıdation		050043	11/01/2004					########
cience Foundation		060108						########
	US	010028	########	2/1/2001	########	18232	6768	25000
	US	020113	2/5/2002	9/1/2002	8/31/2005	46495	22318	68813
	US	020127	2/13/2002			63935	30689	94624
	US	030058	11/4/2002	6/1/2003	5/31/2006	34572	16595	51167
ıdation		050102	01/05/2005					########
ıdation		050321	07/19/2005					########
ıdation (NSF)		060296	05/25/2006					########
	US	030048	########	9/1/2003	8/31/2005	86504	6920	93424
	US	040087	10/7/2003	9/1/2004	8/31/2006	89512	7161	96672
		030275	7/25/2003			19000	5445	24445

	US	000022	9/29/1999	9/13/1999	########	10000		10000
	US	000091	2/1/2000	7/1/2000	6/30/2002	33303	15985	49288
	US	020067	########	9/1/2002	8/31/2003	37200	0	37200
Defense Advanced Res		060049						########
orce Research Lab (AF		060257	04/17/2007					########
ıdation (NSF)		060276	05/10/2006					########
ıdation (NSF)		060132	01/18/2006					########
	TX	020008	9/12/2001	9/1/2001	8/31/2002	50000	0	50000
	FN	000081	1/21/2000	6/1/2000	5/31/2003	45000		45000
	TX	010190	8/8/2001	1/1/2002	########	95772		95772
	O	020158	3/25/2002	1/1/2003	########	151786	26391	178177
	US	020185	5/13/2002	4/1/2003	3/31/2008	175000	77760	252760
	US	030113	1/2/2003	7/1/2003	6/30/2007	142577	58252	200829
	FN	030137	1/16/2003	6/1/2003	5/31/2006	50000	0	50000
	US	030011	9/23/2002	10/1/2003	9/30/2008	200000	84638	284638
ı		060144	02/01/2006					########
	US	010012	9/15/2000	2/1/2001	1/31/2004	100176	37297	137473
	FN	000097	1/21/2000	6/1/2000	5/31/2003	45000		45000
	CO	000164	4/27/2000	1/1/2001	########	35000		35000
	O	000199	6/28/2000	1/1/2001	########	12500	0	12500
	TX	010112	3/1/2001	6/4/2001	6/27/2001	7200		7200
	TX	010232	8/13/2001	1/1/2002	########	150000		150000
	FN	020020	9/28/2001	5/1/2002	4/30/2005	240000	0	240000
	O	020105	1/30/2002	9/1/2002	8/31/2004	17500	0	17500
	US	020195	5/30/2002	4/1/2003	3/31/2007	150000	64800	214800
	FN	030140	1/28/2003	6/1/2003	5/31/2006	50000	0	50000
ion Agency		050092	12/17/2004					########
ı		050144	01/28/2005					########
ıdation (NSF)		060127	01/13/2006					########
ı		060149	01/31/2006					########
of California at Los Ang		060378	08/29/2006					########
1 R01 NS4	US	000025	9/29/1999	8/1/2000	7/31/2005	200000	77856	277856
	O	000030	########	7/1/2000	6/30/2003	123910	24978	148888
	US	000192	6/15/2000	6/1/2001	1/1/2000	200000	77856	277856
	US	010064	12/1/2000	2/1/2001	1/31/2002	60500	29040	89540
	US	010072	1/4/2001	9/1/2001	1/10/2001	89223	38267	127490
	US	010109	2/26/2001	9/1/2001	8/31/2002	175000	68856	243856
	US	020099	1/30/2002	9/1/2002	8/31/2006	150000	64800	214800
		030036	########	6/1/2003	5/31/2006	70800	7080	77880
	US	030129	1/23/2003	9/1/2003	8/31/2007	225000	100800	325800
		030158	2/5/2003	7/1/2003	6/30/2004	37560	0	37560
	US	040077	########	4/1/2004	3/21/2009	225000	103950	328950
	FN	040136	1/20/2004	7/1/2004	6/30/2007	50000	0	50000
lealth		050177	03/01/2005					########
lealth (NIH)		060043	11/01/2005					########
lealth (NIH)		060139	02/01/2006					########
rogram		060146	02/15/2006					########
		060174	02/15/2006					########
lealth (NIH)		060275	05/10/2006					########
e		060290	05/14/2006					########
lealth (NIH)		060307						########

lealth (NIH)		060311	06/19/2006					########
ıdation		050300	06/20/2005					########
ıdation (NSF)		060345	07/18/2006					########
lealth		050127	01/24/2005					########
	US	000189	6/26/2000	4/1/2001	3/31/2005	225000	103200	328200
	O	010037	########	7/1/2001	6/30/2003	56364	5636	62000
ATE	O	010074	1/3/2001	7/1/2001	6/30/2004	80392	38588	118980
	FN	020103	1/30/2002	6/1/2002	5/31/2005	50000		50000
	US	030009	9/24/2002	6/1/2003	5/31/2007	225000	210000	325800
	FN	030146	1/29/2003	6/1/2003	5/31/2006	50000	0	50000
	US	030259	7/6/2003			121193	59991	181184
	TX	040012	9/3/2003	1/1/2004	########	98000		98000
of North Texas		050095	12/21/2004					########
ıdation		050292	06/08/2005					########
		050314	07/15/2005					########
iosciences, Inc.		060084	12/05/2005					########
iosciences		060112						########
		060379	07/01/2006					########
ıdation (NSF)		060045	09/26/2005					########
ıdation (NSF)		060159						########
ıdation (NSF)		060214						########
ıdation (NSF)		060284	05/23/2006					########
	FN	030005	9/11/2002			121827	10659	132486
sity		050250	01/03/2005					########
	US	000137	5/1/2000	11/1/2000	########	37149	15431	52580
	US	000175	6/9/2000	2/1/2001	1/31/2004	112695	54084	166788
	US	000176	6/9/2000	1/1/2001	########	98035	47057	145092
	US	010147	6/21/2001	3/1/2002	2/28/2005	73020	35049	108069
ıdation		050206						########
ıdation		050265						########
ınd Space Administratic		050274	07/21/2005					########
ınd Space Administratic		060004	09/01/2005					########
cience Foundation		060234						$0.00
ıdation (NSF)		060115	11/01/2005					########
ational Science Founda		060116	11/01/2005					########
ıdation (NSF)		060142	01/24/2006					########
Science Foundation (N		060255	04/01/2006					########
ıdation (NSF)		060375	07/18/2006					########
ıdation (NSF)		060308	06/15/2006					########
	CO	000131	3/1/2000	2/1/2000	5/31/2000	6864	312	7176
	TX	000158	4/20/2000	9/22/2000	9/22/2002	2000		2000
	TX	010124	3/26/2001	3/30/2002	3/30/2002	3000	0	3000
	TX	010179	7/20/2001	3/30/2002	3/30/2002	1470		1470
		050335	08/24/2005					$5,000.00
	LG	000065	########	9/1/1999	8/31/2000	85888		85888
	LG	000066	########	9/1/1999	8/31/2000	82988		82988
	US	000127	2/24/2000	6/1/2000	5/31/2005	67567	32432	99999
	TX	010166	6/20/2001	8/6/2000	5/31/2002	11040	0	11040
	LG	010245	8/21/2001	8/1/2001	5/31/2002	13761	2339	16100
	TX	010193	8/8/2001	8/1/2001	5/31/2002	7500		7500
	US	010194	8/8/2001	9/4/2001	6/30/2002	49000		49000

	TX	020173	4/18/2002	9/1/2001	8/31/2002	28409	0	28409
	TX	020172	4/18/2002			28409	0	28409
	LG	020035	########	8/1/2001	5/31/2002	35300	6000	41300
	US	020084	1/14/2002	9/1/2002	8/31/2003	699356	13592	712948
	TX	020065	12/6/2001	8/6/2001	5/31/2002	70000	0	70000
RPS	US	020174	4/22/2002	9/1/2002	8/31/2003	699356	13592	712948
	LG	030020	9/27/2002	9/1/2002	8/31/2003	89195	0	89195
	LG	030023	10/2/2002	8/5/2002	5/31/2003	81000	0	81000
ent School District		050027	10/07/2004					########
		050062	11/15/2004					########
using and Urban Develo		050308	06/23/2005					########
Service Center/Texas E		050333	07/06/2005					########
School District/Region		060033	08/31/2005					########
t School District/Regior		060034	08/31/2005					########
t School District/Regior		060035	08/31/2005					########
hool District/Region 10		060036	08/31/2005					########
ent School District		060037	08/31/2005					########
School District		060042	08/31/2005					########
dent Loan Corporation		060309	06/15/2006					########
dation (NSF)		060293	05/23/2006					########
	US	000006	9/7/1999	11/1/1999	########	63257	30363	93620
	LG	000102	1/26/2000	3/1/2000	6/30/2000	26680		26680
	US	030237	5/14/2003	11/1/2003	########	25299	3795	29094
	US	000111	2/3/2000	7/1/2000	6/30/2002	35582	17079	52662
	US	020064	12/6/2001	1/1/2002	########	56013	26886	82899
	US	040053	9/30/2003	3/1/2004	2/28/2006	725245	81454	806699
cience Foundation		050175	02/15/2005					########
rator Laboratory		060306	06/01/2006					########
	CO	000076	########	3/1/2000	########	86956	13043	100000
	CO	010066	12/8/2000			20279	3042	34321
	CO	020055	########	1/1/2002	3/31/2007	52173	7826	59999
	US	030063	11/5/2002	11/1/2002	9/30/2005	20270	9730	30000
	CO	030062	11/5/2002	5/1/1993	3/31/2007	17391	2609	20000
	CO	030285	8/12/2003			17391	2608	20000
	US	030266	7/17/2003			8746	4329	13076
in		060088	12/09/2005					########
	CO	000007	9/7/1999	9/13/1999	9/12/2000	31428	1572	33000
	FN	000104	1/31/2000	6/1/2000	5/31/2003	45000		45000
	CO	000186	6/1/2000	9/1/2000	8/31/2001	37738	1887	39625
	CO	000220	8/9/2000	9/1/2000	8/31/2001	41304	2065	43369
	CO	000219	8/4/2000	9/1/2000	8/31/2001	31742	1587	33329
	FN	010093	1/30/2001	6/1/2001	5/31/2004	45000		45000
	US	010138	4/19/2001	10/1/2000	8/31/2004	51020	23980	75000
	CO	010248	8/23/2001	9/1/2001	8/31/2002	45704	2285	47989
	CO	010247	8/23/2001	9/1/2001	8/31/2002	43778	2189	45967
	CO	020007	9/4/2001	9/10/2001	9/9/2002	41107	2055	43162
	CO	020094	1/29/2002	1/28/2002	1/27/2003	43778	2189	45967
	US	030256	7/3/2003			15000		15000
	US	030198	3/17/2003	3/15/2003	3/14/2004	1400670	99330	1500000
	TX	040013	9/5/2003	1/1/2004	########	75000		75000
		040096	1/2/2004	########	3/14/2004	15000		15000

mpany		050148	01/28/2005					########
		050150	01/31/2005					########
		050236	04/08/2005					########
entific Research		050253	04/19/2005					########
entific Research (AFOS		060191	02/22/2006					########
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	US	000002	6/30/2000	2/1/2001	1/31/2004	38366	18416	56782
	US	010140	4/26/2001	1/1/2002	########	53452	25657	79109
	CO	000087	1/14/2000	4/1/2000	3/31/2001	28263	13566	41829
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	O	000179	5/15/2000	8/1/2000	7/30/2003	28826	13836	42662
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ociety		060258						########
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	FN	020111	1/31/2002	6/1/2002	5/31/2005	49450		49450
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ST/ATP		050090	12/15/2004					########
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esearch Laboratories		050208	03/16/2005					########
or Research in Nanote		050227	04/05/2005					########
		050242	04/08/2005					########
:.		050284	05/31/2005					########
		060005	09/01/2005					########
JS Army Space & Miss		060022	09/15/2005					########
n Texas/Department of		060058	10/18/2005					########
:./Department of Energ		060064	11/10/2005					$9,938.00
		060078	11/21/2005					########
		060109	01/04/2006					########
		060370	08/15/2006					########
nce Office		060390	08/29/2006					########
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	US	010082	1/22/2001	9/1/2001	8/31/2003	207482	50570	258052
	US	030008	9/18/2002	2/1/2003	1/31/2005	14668	1761	16429
	US	040142	1/15/2004	9/1/2004	8/31/2006	16550	8192	24742
	US	040143	1/15/2004	9/1/2004	8/31/2006	55718	27581	83299
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OEP:2000-	US	000053	12/1/1999	1/1/2001	########	93708	14575	108283
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	US	000094	1/19/2000	7/1/2001	6/30/2005	225000	96000	321000
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	US	020082	1/9/2002	7/1/2002	6/30/2002	109529	52574	162103
	CB	020145	3/8/2002			8100		8100
	US	030150	1/28/2003	11/1/2003	########	250000	120000	370000
	TX	030161	2/7/2003	5/27/2003	7/29/2003	8100	0	8100
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ıdation		050225	04/04/2005					########
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Microbiology		060354	03/01/2006					$4,000.00
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	FN	030143	1/29/2003	7/1/2003	6/30/2006	50000	0	50000
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ı		050151	01/31/2005					########
n		060119	01/06/2006					########
ı		060156	01/31/2006					########
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ıls		060288	05/19/2006					$6,000.00
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	US	000079	1/6/2000	6/1/2000	5/31/2004	126601	44472	171073
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	TX	010208	8/13/2001	1/1/2002	########	50000		50000
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	US	030033	########	7/1/2003	6/30/2007	225000	90240	315240
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	US	010017	9/18/2000	6/1/2001	5/31/2004	31786	15257	47043
	US	010001	9/1/2000	8/15/2000	8/14/2002	36514	17527	54041
ED	US	010041	########	1/6/2001	5/31/2004	31786	15257	47043
	US	020041	11/1/2001	9/1/2002	8/31/2005	92083	37040	129123
	US	020040	11/1/2001			52167	25040	77207
	US	020184	5/6/2002	1/1/2003	########	31200	14976	46176
	US	030163	2/10/2003	7/1/2003	6/30/2006	47620	21097	68717
	US	040001	9/2/2003	5/1/2004	4/30/2007	391795	106944	498739
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ıdation		050063	11/23/2004					########
ernational University		050298	06/13/2005					########
on		060161	02/03/2006					$0.00
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	FN	030107	########	9/1/2003	9/1/2005	32300	0	32300
	FN	030239	5/16/2003	12/1/2003	9/1/2006	32300	0	32300
ı		050142	01/28/2005					########
ted Medical Research F		050149	01/31/2005					########
	US	000115	6/9/2000	10/1/2000	9/30/2003	45815	21991	67806
ıdation		050096	01/13/2005					########
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)5 TR&T		060002	09/02/2005					########
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		060235	03/15/2006					########
		060263	05/01/2006					########
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ıency		060237	03/23/2006					########
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	US	030254	7/1/2003			160801	35376	196177
	US	030253	7/1/2003			198915	43761	242676
ınd Security		050094	12/20/2004					########
ınd Security		050255	04/22/2005					########
/Environmental Protect		060030	09/15/2005					########
ı Services Commission		060162	10/19/2005					########

oration		060330	07/05/2006					########
	US	010186	7/31/2001	2/1/2002	2/1/2003	27900	13392	41292
	US	030279	8/4/2003			35140	17394	52534
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epartment of the Interio		060314	03/30/2005					########
	O	000016	########	11/1/1999	9/30/2004	10135	4865	15000
	US	000059	########	1/1/2000	9/30/2004			
	US	000194	6/30/2000	2/1/2001	1/31/2004	43853	21049	64902
	US	020054	########	8/1/2002	10/1/2013	381757	183243	565000
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	US	030175	5/6/2003	10/1/2003	9/30/2006	26436	12689	39125
	US	030214	4/17/2003			858027	300973	1159000
ıdation		050009	09/29/2004					########
ervices Administration		050097	12/21/2004					########
		050179	03/02/2005					########
Defense and Space (E/		050194						########
ınd Space Administratic		060015						$0.00
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Technologies		060160	01/18/2006					########
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	US	000162	4/27/2000	9/1/2000	8/31/2002	50000		50000
	CO	000193	6/21/2000	6/1/2000	########	45541	19459	65000
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	US	010131	4/13/2001	6/1/2001	5/31/2003	11650	5350	17000
	US	020076	########	1/2/2002	5/31/2002	37481	9351	46832
		030029	########	3/1/2003	2/28/2005	37948	11975	49923
	US	030176	3/6/2003	3/1/2003	7/31/2003	6689	3311	10000
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	US	030203	4/7/2003	2/1/2004	1/31/2006	6700	0	6700
	US	030230	5/23/2003			1250500	329900	1580400
	US	030229	6/6/2003			1120000	297400	1417400
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ıdation (NSF) NER		060091	11/29/2005					########
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rogram		060186	02/16/2006					########
		060368	08/15/2006					########
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	TX	010192	8/10/2001	1/1/2002	########	97613		97613
	FN	000139	3/22/2000	1/1/2000	7/1/2000	5850	0	5850
SAGE FN	FN	000167	5/4/2000			14820		14820
	US	000222	8/15/2000	6/1/2001	5/31/2003	134477	60709	195186
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Hewlett Foundation		060329	06/01/2006					########
	US	000159	4/19/2000	7/1/2000	6/30/2001	137317	62479	199796
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	US	030028	10/9/2002	7/1/2003	6/30/2008	317946	75951	393897
	US	000124	2/11/2000	9/1/2000	8/31/2003	73614	32935	106549
	US	000213	7/24/2000	9/1/2001	8/31/2006	55516	21847	77363
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	FN	P00013						
	US	000207	7/7/2000	2/1/2001	1/31/2005	84588	40602	125190
	US	010023	9/29/2000	1/1/2001	6/30/2005	125000	46656	171656
	O	010029	########	7/1/2001	6/30/2005	124795	24249	149044
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	FN	020093	1/30/2002	6/1/2002	5/31/2005	50000	0	50000
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		030094	########	7/1/2003	6/30/2004	50000	0	50000
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	O	030138	1/29/2003	6/1/2003	5/31/2006	50000	0	50000
ATE	O	030112	1/7/2003	7/1/2003	6/30/2005	56364	5636	62000
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lealth		050022	10/01/2004					########
ıdation		050105						########
	FN	000120	2/9/2000	5/1/2000	8/31/2000	22831	3425	26256
	FN	000118	2/9/2000	6/1/2000	8/31/2002	149024	14902	163926
		030047	########	7/1/2003	5/31/2006	124062	12406	136468
	FN	030109	########	2/1/2003	1/31/2006	320050	32005	352055
		060157	01/31/2006					########
ıdation (NSF)		060203	03/01/2006					########
1 R01 DC0	US	000105	1/28/2000	12/1/2000	########	138188	34366	172554
	US	010169	6/29/2001	4/1/2002	3/30/2007	175000	47250	222250
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	O	020033	########	9/1/2002	8/31/2007	61180	29371	90551

	US	020155	3/6/2002	2/1/2002	7/31/2002	46745	20040	66785
	US	020188	5/17/2002	3/1/2003	2/29/2008	58129	27902	86031
	US	030087	12/4/2002	9/1/2003	8/31/2006	60500	29040	89540
		030201	3/20/2003	9/1/2003	8/31/2003	33445	16555	50000
		030289	8/19/2003			30300		30300
	O	040016	9/1/2003	1/1/2004	########	30300		30300
as		050001	08/31/2004					########
ıdation/NIH		050084						########
.s Medical Branch at Ga		050268	06/15/2005					########
lealth (NIH)		060273	05/17/2006					########
	US	000046	########	1/1/2000	########	23148	1852	25000
N	FN	000109	2/1/2000	3/15/2000	6/30/2001	25000		25000
	US	000072	2/4/2000	3/1/2000	9/30/2000	30306	2424	32730
	US	P00010				317865	25429	343294
	FN	000128	2/28/2000	5/1/2000	6/30/2001	34520		34520
	US	020059	12/5/2001	9/1/2002	8/31/2004	62591	30044	92635
	US	020170	4/15/2002			63111	30293	93404
	US	030072	########	9/1/2003	8/31/2005	54962	26382	81344
	US	030186	3/1/2003	1/1/2004	########	55408	27427	82835
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ıdation		050007	09/14/2004					########
ıdation		050315	07/19/2005					########
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1RO1DC0	US	000108	1/28/2000	10/1/2000	9/30/2005	175000	75684	250684
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	US	010045	########	1/1/2001	########	34722	16187	50909
	FN	020014	9/24/2001	2/1/2002	1/31/2004	40000	0	40000
	FN	020072	########	7/1/2002	6/30/2005	75000	0	75000
	US	030244	5/27/2003	4/1/2004	3/30/2007	50000	24750	74750
stitutes of Health		060050	11/15/2005					########
national Science Found		060051	11/15/2005					########
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nductor Advanced Res		050337	08/30/2005					########
rogram		060183	02/15/2006					########
	TX	040019	9/3/2003	1/1/2004	########	43500		43500
	TX	040075	########	10/1/2004	9/30/2008	58744	26257	85001
	TX	040065	########	10/1/2004	9/21/2008	58744	26257	85001
ıdation		050167	02/07/2005					########
nology Institute		050269	05/18/2005					########
'University of North Tex		050281	05/27/2005					########
hnology Institute		050312	06/25/2005					########
se Advanced Research		050316	07/11/2005					########
./Army		060019	08/31/2005					########
Inc.		060059	10/15/2005					$5,000.00
ging Technology Fund -		060105	12/21/2005					########
ging Technology Fund -		060106	12/21/2005					########
nnology Institute (KETI)		060136	01/20/2006					########

		060373	08/15/2006					########
		060366	08/15/2006					########
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	O	030241	5/19/2003			14400	0	14400
Service Center		060216						$0.00
ological Gambling & rel		060282	05/15/2006					########
ıdation		050121	01/14/2005					########
ıdation (NSF)		060188						########
	US	000149	4/6/2000	7/1/2000	########	67985	12041	80026
	US	010125	3/26/2001	11/1/2001	########	85925	31644	117569
	US	020015	9/25/2001	1/1/2002	########	27027	12973	40000
	US	020102	1/30/2002	8/1/2002	7/31/2005	63228	30349	93577
	US	020121	2/7/2002	7/1/2002	3/31/2004	76581	36759	113340
	US	030025	10/9/2002	4/1/2003	3/31/2004	20270	9730	30000
	TX	040020	9/3/2003	1/1/2004	########	37750		37750
		050064	11/16/2004					########
ıdation		050168	02/07/2005					########
ıdation		050169	02/07/2005					########
		050229	04/08/2005					########
at Boulder/National Sc		060068	11/29/2005					########
s Southwestern Medica		060134	01/18/2006					########
ıdation (NSF)		060169	02/07/2006					########
uthwest Medical Cente		060246	04/10/2006					########
uthwest Medical Cente		060333	07/14/2006					########
		060374	08/15/2006					########
mission		060268	04/17/2006					########
	TX	030264	4/29/2003	9/1/2003	8/31/2004	71807		71807
		060130	01/18/2006					########
	US	000148	4/4/2000	5/1/2000	4/30/2001	98545	46316	144861
	US	000181	5/23/2000	4/1/2001	3/31/2006	200000	91781	291781
	US	010117	3/2/2001	5/1/2001	4/30/2002	101442	47678	149120
	FN	030154	1/30/2003	6/1/2003	5/31/2006	50000	0	50000
	US	030171	2/14/2003	8/1/2003	7/31/2006	437500	16800	454300
	TX	040022	9/5/2003	1/1/2004	########	116250		116250
		050238	04/08/2005					########
of Iowa		050295	06/15/2005					########
lealth (NIH)		060201	03/01/2007					########
lealth (NIH)		060202	03/01/2006					########
	US	020151	3/18/2002	9/1/2002	8/31/2004	53279	21254	74533
	US	030167	2/10/2003	1/1/2003	3/31/2004	25100	0	25100
	CO	020166	4/8/2002			40873	13619	54492
	US	000150	4/6/2000	8/1/2000	7/31/2001	23182	4435	27617
Y	US	000197	6/22/2000	10/1/2000	9/30/2003	78867	17408	96275
	US	000216	7/24/2000	1/1/2001	########	58783	16216	74999
	CO	010003	9/1/2000	9/1/2000	8/30/2003	20000		20000
	CO	010144	4/26/2001	9/1/2001	8/30/2004	49440	17491	66931
	US	020164	3/25/2002	9/1/2002	8/31/2003	124903	50353	175256
		060380	07/01/2006					########
PA (Defense Advanced		060014	09/16/2005					########
lealth (NIH)		060170	02/01/2006					########
ıdation (NSF)		060335	07/18/2006					########

ıdation (NSF)		060395	09/20/2006					########
ıffman Foundation/The		050180	02/15/2005					########
ɔnal Center for the Stud		050278	05/22/2005					########
	US	030225	4/29/2003	6/1/2003	5/31/2004	24727	12240	36967
	US	000130	2/25/2000	5/1/2000	4/30/2001	90737	41048	131785
	US	010133	4/6/2001	8/1/2001	8/1/2003	78649	78649	367908
	US	020183	5/9/2002	8/1/2002	8/1/2005	108951	49896	158847
	US	040076	########	1/7/2004	7/1/2009	200000	93060	293060
ıuthwest Medical Cente		050005	08/30/2004					########
ıdation		050078	12/02/2004					########
lealth		050296	06/13/2005					########
	US	010156	5/25/2001	4/1/2002	3/31/2007	200000	96000	296000
	O	020058	12/5/2001	7/1/2002	6/30/2005	50000	0	50000
	US	020077	1/14/2002	8/1/2002	7/31/2005	116525	39658	156183
	FN	020114	2/5/2002	6/1/2001	5/30/2004	66600	4300	70900
		030027	########	6/1/2003	5/31/2006	85975	8598	94573
		030097	########	7/1/2003	6/30/2006	75000	0	75000
	US	030114	1/3/2003	7/1/2003	6/30/2006	118578	40643	159221
	US	030131	1/22/2003	12/1/2003	########	50000	24000	74000
	US	030257	7/10/2003			92173	45626	137799
	US	030258	7/8/2003			79723	39462	1199185
	FN	030274	7/28/2003			20000		20000
	FN	040034	9/4/2003	2/1/1904	1/31/1905	15000		15000
	US	040032	9/12/2003	7/1/2004	6/30/2006	150000	74250	224250
ıdation		050163	2/4/2005					########
	TX	040023	7/27/2003	1/1/2004	########	63300		63300
ıdation		050013	09/27/2004					########
search Projects Agenc		050023	10/04/2004					########
		050057	11/12/2004					########
ıdation		050061	11/15/2004					########
Inc.		050215						########
		050240	04/08/2005					########
ʌersity		050254						########
		050264	05/05/2005					########
		050304						########
ıdation (NSF)		060026	10/04/2005					########
aval Research		060200						########
		060238	03/22/2006					########
		060265	05/04/2006					########
econnaissance Office		060385	08/28/2006					########
lealth (NIH)		060021	10/01/2005					########
ıdation		050032	10/14/2004					########
	US	040049	9/25/2003	7/1/2004	6/30/2006	50000	24750	74750
1 RO1 HD3	US	000045	########	7/1/2000	6/30/2005	175000	82560	257560
	FN	000183	5/25/2000					1086
	US	010009	9/13/2000	########	########	111350	53448	164798
	US	010044	########	7/1/2001	6/30/2006	175000	82560	257560
of Corrections and Reh		060052	11/27/2005					########
	TX	040004	9/5/2003	9/15/2003	8/15/2004	89606	10394	100000
		050067	11/24/2004					########
er		050164						########

ndation		060252	04/14/2006					########
or Employment Resear		060279	04/11/2006					$5,000.00
		060321	06/28/2006					########
	O	010026	10/6/2000	3/1/2001	8/31/2003	30000	0	30000
	US	010189	8/7/2001	1/1/2002	########	74853		74853
	FN	030236	5/13/2003			40000		40000
Council		050184	02/23/2005					########
n Coordinating Board (		060168	02/15/2006					########
		060299	05/26/2006					$7,102.00
	FN	020060	12/5/2001	7/1/2002	6/30/2003	100000		100000
	TX	000151	4/7/2000	6/5/2000	7/28/2000	7200		7200
	US	010110	2/27/2001	6/4/2001	8/10/2001	14400	0	14400
	TX	010235	8/13/2001	1/1/2002	########	75000		75000
		030238	5/14/2003			54425		54425
	TX	040025	9/3/2003	1/1/2004	########	51500		51500
ity/National Science Fo		050185	02/24/2005					########
		030004	9/11/2002	1/1/2002	6/30/2003	4900	0	4900
	US	020139	2/26/2002	10/1/2002	9/30/2005	40770	19570	60340
	CO	000014	9/16/1999	9/9/1999	1/15/2000	13518	614	14133
	US	010030	########	6/1/2001	5/31/2002	55275	26532	81807
	US	030185	2/13/2003	7/1/2003	7/1/2007	135756	56557	192313
	FN	000107	1/28/2000	6/1/2000	5/31/2003	45000		45000
	US	000205	7/17/2000	1/1/2000	########	103568	45505	149073
n		060198	03/02/2006					########
	US	030080	########	6/1/2003	5/31/2007	51384	24664	76048
	US	030268	7/21/2003			44024	21791	65815
dation		050159	02/04/2005					########
dation		050320	07/18/2005					########
dation (NSF)		060029	10/07/2005					########
dation (NSF)		060165	02/07/2006					########
dation		050068	11/23/2004					########
dation (NSF)		060123	01/11/2006					########
dation (NSF)		060348	07/18/2006					########
	US	020180	5/6/2002	9/1/2002	8/31/2004	18637	5841	24478
	US	030075	########	12/1/2002		12082	3959	16041
	TX	010211	8/13/2001	1/1/2002	########	114450		114450
	US	030184	3/4/2003		5/31/2006			904613
	US	040124	1/5/2004	6/1/2004	5/31/2007	113734	53625	167359
ED	US	000116	2/7/2000	2/1/2000	8/31/2004	9828	786	10614
	US	000005	9/7/1999	11/1/1999	9/30/2002	44878	23012	67890
	TX	030177	2/27/2003	5/1/2003	4/30/2004	73172	5854	79026
	O	000114	2/7/2000	3/15/2000	########	30000		30000
	US	000132	2/28/2000	4/1/2000	3/31/2001	41345	19845	61190
	US	000135	3/6/2000	8/21/2000	########	106140	36380	142520
	US	000210	8/20/2000	7/12/2000	########	10135	4865	15000
	US	010132	4/6/2001	10/1/2001	9/1/2003	40250	19320	59570
rvices Commission of T		050323	07/19/2005					$9,999.99
l Seed		060387	08/29/2006					$4,000.00
	US	000084	1/12/2000	8/1/2000	7/31/2003	708175	24384	732559
	TX	010240	8/14/2001	1/1/2002	########	73133		73133
	FN	020110	1/31/2002	6/1/2002	5/31/2005	50000		50000

	TX	040026	9/4/2003	1/1/2004	########	100000		100000
ı		050143	01/28/2005					########
Coordinating Board		050230	04/06/2005					$7,200.00
ı		060150	01/31/2006					########
stitutes of Health		060229	03/09/2006					$0.00
		060303	05/15/2006					$4,689.00
:, Inc.		050119	01/12/2005					########
ıdation (NSF)		060336	07/18/2006					########
ı		060147	02/01/2006					########
ɔciety		060259	04/21/2006					########
	US	P30001	########	6/1/2003	5/31/2005	30132	0	227382
Austin		050055	11/12/2004					########
	TX	010214	8/13/2001	1/1/2002	########	74900		74900
	TX	010213	8/13/2001	1/1/2002	########	74900		74900
	US	030106	########	1/1/2004	1/1/2008	91666	44000	135666
	US	030090	12/5/2002	1/1/2004	1/1/2007	81166	38960	120126
ıdation		050107	01/05/2005					########
ıdation		050135	01/21/2005					########
ıdation (NSF)		060220	03/02/2006					########
	US	000212	7/20/2000	1/1/2001	########	32455	12218	44673
	FN	010163	6/12/2001	9/1/2001	8/31/2004	71877	32100	103977
	US	010170	7/2/2001	1/1/2002	########	47285	19337	66622
	TX	010217	8/14/2001	1/1/2002	########	61000		61000
	TX	010218	8/14/2001	1/1/2002	########	61000		61000
ıdation		050291	06/20/2005					########
:ience Foundation		060264	05/15/2006					########
	US	010048	11/1/2000	6/1/2001	5/30/2004	61656	29594	91250
	US	010095	1/30/2001	12/1/2001	########	200000	76201	276201
	US	010033	1/19/2000	7/1/2001	6/30/2004	13513	6486	19999
	US	030243	5/21/2003	4/1/2004	3/31/2009	225000	103076	328076
	US	040079	########	9/1/2004		225000	111375	336375
lealth		050174	03/01/2005					########
lealth (NIH)		060046	10/25/2005					########
ıuthwest Medical Cente		060125	09/01/2005					########
	US	000092	1/18/2000	8/14/2000	7/13/2003	84431	40527	124958
1 R01 MH6	US	000133	2/28/2000	1/1/2001	########	125000	45416	170416
PA	US	000155	4/17/2000			15292	7340	22632
al Institute of Justice		060230	03/09/2006					$0.00
	CO	000048	########	########	########	3600	1728	5328
	US	020179	5/6/2002	5/15/2002	########	74853	26569	101422
		050074	12/02/2004					########
		060007	09/02/2005					########
	US	010042	########	1/1/2001	########	114129	53641	167770
	US	030024	10/3/2002	1/1/2003	########	121505	57107	178612
SON	US	030222	4/22/2003	1/1/2005	########	39816	19709	59525
	US	030231	5/8/2003	1/1/2005	########	46011	22775	68786
		050045	11/08/2004					$6,891.00
Group		050260	05/02/2005					########
		060113						########
lealth-Supplement		050029	10/22/2004					########
ıuthwest Medical Cente		050100	12/22/2004					########

lealth		050145	02/01/2005					########
lealth (NIH)		060020	09/09/2005					########
lealth (NIH)		060187	02/20/2006					########
lealth (NIH)		060266	11/08/2005					########
ıdation		050319	07/18/2005					########
ıdation (NSF)		060347	07/18/2006					########
ıt of Defense		060396	03/11/2006					########
		060397	03/11/2006					########
	FN	030141	1/21/2003	6/1/2003	5/31/2006	50000	0	50000
	FN	000101	1/28/2000	6/1/2000	5/31/2003	0		45000
	TX	010221	8/13/2001	1/1/2002	########	84600		84600
	TX	010220	8/14/2001	1/1/2002	########	84600		84600
	FN	030151	1/28/2003	6/1/2003	5/31/2006	50000	0	50000
ı		060151	01/31/2006					########
ıdation		050332	08/16/2005					########
	CO	000021	9/29/1999	9/1/1999	8/31/2000	34650	1575	36225
	CO	000178	5/11/2000	5/15/2000	8/13/2000	46800	11700	58500
	CO	010005	9/13/2000	8/23/2000	########	14716		14716
	CO	010006	9/21/2000	8/28/2000	########	14414		14414
	CO	000198	6/29/2000	5/22/2000	8/20/2000	4973	227	5200
	US	000057	12/1/1999	5/1/2000	4/30/2002	34857	16731	51588
	FN	030030	########	6/1/2003	8/31/2005	49850	0	49850
	FN	030070	########	4/1/2003	6/30/2004	45400	4540	49940
on		050036	10/19/2004					########
on		060062	11/15/2005					########
	US	010159	5/30/2001	9/1/2002	8/31/2007	67674	32484	100158
esearch Office		050123	01/18/2005					########
	CO	000138	3/14/2000			734	146	880
	US	000217	7/25/2000	1/1/2001	########	58131	20320	78451
	US	000223	8/15/2000	1/1/2001	########	58683	20585	79268
	CO	030182	3/1/2003	2/1/2003	6/30/2003	6689	3311	10000
		050011	09/04/2004					########
	US	010057	########	9/1/2001	9/1/2004	106466	28406	134872
	US	030228	4/30/2003	1/1/2004	########	73276	19052	92328
ıdation		050140	02/15/2005					########
	US	030170	2/13/2003	9/1/2003	8/31/2005	112094	49398	161492
	US	030073	########	1/1/2003	########	13513	6486	19999
of Texas School of Pub		050223						########
	TX	010201	8/12/2001	1/1/2002	########	52500		52500
	US	030083	12/2/2002	9/1/2003	8/31/2006	120500	57840	178340
ıdation		050104	01/05/2005					########
	US	000043	11/2/1999	6/1/2000	5/31/2003	20741	9955	30696
	US	010036	########	7/1/2001	6/30/2004	113162	54317	167479
	US	030061	########	9/1/2003	8/31/2006	22146	10630	32776
	US	040033	9/14/2003	7/1/2004	3/31/1907	32107	15892	47999
ıdation		050008	09/17/2004					########
ıdation		050037	10/26/2004					########
ıdation (NSF)		060011						########
	US	000078	1/7/2000	8/1/2000	7/31/2004	80095	38446	118541
1 R01 GM6	US	000134	2/28/2000	12/1/2000	########	200000	83040	283040
	TX	010205	8/13/2001	1/1/2002	########	75000		75000

	US	030157	2/3/2003	9/1/2003	8/31/2006	86200	42669	128869
	US	030190	3/6/2003	5/19/2003	8/1/2003	3379	1622	5001
	US	030262	7/8/2003			73500	36363	109883
ıdation		050124	01/19/2005					########
ıdation (NSF)		060121	01/12/2006					########
	US	000177	5/25/2000	1/1/2001	########	161245	38614	199859
	US	030226	4/30/2003	6/27/2003		12326	0	12326
ıdation		050069	11/23/2004					########
ıdation (NSF)		060028	09/30/2005					########
	TX	000080	1/5/2000	5/31/2000	8/31/2001	82378		82378
	FN	000195	7/6/2000			3600		3600
	CO	010154	5/4/2001	3/6/2001	4/13/2001	3000		3000
	TX	020030	########	1/1/2002	8/31/2003	43993		43993
N	FN	020211	6/17/2002	5/29/2002	5/28/2003	3700		3700
of Texas Southwest Me		050277	05/25/2005					########
		060192	03/01/2006					########
	CO	000113	2/4/2000	1/8/2000	5/25/2000	5995	273	6268
	CO	000112	2/4/2000	1/1/2000	8/31/2000	13728	624	14352
ıdation		050303	06/20/2005					########
ıdation		050324	07/19/2005					########
ıdation (NSF)		060349	07/18/2006					########
		060371	08/15/2006					########
	US	000218	7/26/2000	1/1/2001	########	52945	22054	74999
	US	010046	########	6/1/2002	5/31/2004	58670	19042	77712
	US	010182	7/24/2001	1/1/2002	########	52945		52945
	US	020016	9/21/2001	5/1/2002	4/30/2005	67568	32432	100000
	US	030085	12/2/2002	6/1/2003	5/31/2006	45106	21651	66757
	US	030160	2/6/2003	9/1/2003	8/31/2008	66325	32831	99156
		050211	03/21/2005					########
	US	040139	1/21/2004	9/1/2004	8/31/2007	29350	9578	38928
ıdation		050166	02/07/2005					########
ıdation (NSF)		060196						########
ıdation (NSF)		060346	07/18/2006					########
or the Arts		050330	08/15/2005					########
or the Arts		060359	08/10/2006					########
	US	000121	2/10/2000	8/1/2000	7/31/2003	113715	45564	159279
	US	P00016		1/1/2001	########	0	0	100000
	TX	010224	8/14/2001	1/1/2002	########	155300		155300
	US	020057	12/5/2001	8/1/2002	4/30/2005	70111	28853	98964
	US	010043	########	8/15/2001	8/14/2004	26959	12940	39899
		060163	01/01/2006					$7,200.00
	US	020079	1/4/2002	9/16/2002	9/15/2005	42667	0	42667
	US	030248	6/9/2003			23587	11675	35262
Mellon University		060039	10/17/2005					########
		060089	12/12/2005					########
rch Corporation (SRC)		060232	03/14/2006					########
ıdation (NSF)		060323	06/28/2006					########
	US	010049	11/3/2000	7/1/2001	6/30/2006	67828	32557	100385
ıdation		050002	08/20/2004					########
	US	010013	9/15/2000	7/1/2001	6/30/2004	69660	33437	103097
	CO	010031	########	11/1/2000	########	81081	38919	120000

	TX	010191	8/8/2001	1/1/2002	########	50000		50000
ıdation (NSF)		060110	01/04/2006					########
ıdation (NSF)		060195						########
	US	030074	########	7/1/2003	6/30/2007	81663	39138	120861
	US	030026	########	7/1/2003	6/30/2003	347933	63793	411726
lealth (NIH)		060070	22/21/2005					########
	US	000166	4/27/2000	6/1/2000	5/30/2001	191892	62133	254025
	US	010021	9/27/2000	9/1/2001	8/31/2006	66856	32091	98947
	US	010153	5/14/2001	3/1/2002	2/28/2003	81800		81800
	TX	010234	8/13/2001	1/1/2002	########	75000		75000
	US	020037	########	7/1/2002	6/30/2007	225000	82464	307464
	US	020075	########	3/1/2002	2/28/2004	141605	52454	194059
	FN	020097	1/30/2002	6/1/2002	5/31/2005	50000		50000
	TX	030196	3/6/2003	6/9/2003	8/1/2003	7200	0	7200
	TX	040028	9/4/2003	1/1/1904	########	90000		90000
ı		050139	01/28/2005					########
stitutes of Health		050213	03/23/2005					########
stitutes of Health		050322	08/15/2005					########
stitutes of Health		060190	02/21/2006					########
'estern Medical Center		060286	05/19/2006					$7,052.00
	FN	010091	1/30/2001	6/1/2001	5/31/2004	45000		45000
	TX	010236	8/14/2001	1/1/2002	########	62967		62967
	US	030221	3/26/2003	9/1/2003	8/31/2006	88313	43715	132028
	O	040031	9/11/2003	5/1/2004	8/30/2006	40000		40000
	US	040131	1/9/2004	7/1/2004	6/30/2007	118851	55386	174237
ıdation (NSF)		060128	01/13/2006					########
2000-0192	US	000069	########	9/1/2000	9/1/2002	119387	21164	140551
	US	000086	1/14/2000	9/1/2000	9/1/2003	42930	20606	63537
	US	000110	2/10/2000	9/1/2000	9/1/2003	109318	136030	145348
	US	000225	8/16/2000	9/30/2000	9/30/2001	90901	9090	99991
	US	000226	8/21/2000	9/30/2000	9/30/2001	40872	4087	44959
	US	010076	1/11/2001	9/1/2001	9/1/2003	38098	18287	56385
n		050052	11/08/2004					########
n		060061						########
	US	000011	9/16/1999	6/15/2000	6/14/2003	15600	7488	23088
	US	000144	3/30/2000	9/15/2000	9/14/2003	16076	7716	23792
	US	010024	10/2/2000	7/1/2001	9/30/2004	16539	7939	24478
	US	010229	8/14/2001	1/1/2002	########	164000	0	164000
	US	010206	8/13/2001	1/1/2002	########	100000		100000
OCE-0001	US	000088	1/14/2000	9/1/2000	8/31/2003	54217	26024	80241
	LG	000173	5/10/2000			8580	390	8970
	US	030064	########	6/1/2003	5/31/2005	33389	16027	49416
	US	030079	1/26/2003	6/1/2003	5/31/2005	44750	21480	66230
0405651	US	040084	########	6/1/2004	6/30/2009	44736	22144	66880
ce and Technology Bo		050039	11/08/2004					########
ıdation		050077	11/30/2004					########
ıdation		050120	01/11/2005					########
ıdation		050299	06/13/2005					########
.s at El Paso/THECB-A		060177	02/14/2006					########
ıdation (NSF)		060342	07/14/2006					########
ıce Association		060104	02/27/2004					########

	US	030282	8/8/2003			26756	13244	40000
	US	010160	5/30/2001	9/1/2001	########	8000		8000
	US	020168	4/15/2002	6/1/2002	########	67882	32583	100465
	TX	010176	7/11/2001	7/16/2001	7/20/2001	4500	0	4500
	US	000201	6/30/2000	3/1/2001	2/28/2006	225000	66240	291240
ıdation		050065	11/23/2004					########
of Texas at Arlington		050126	1/21/2005					########
of California at San Die		050294						########
ıdation (NSF)		060126	01/11/2006					########
ıdation (NSF)		060118	11/30/2005					########
ıental Protection Agenc		060219	02/24/2006					########
	US	000117	2/14/2000	8/15/2000	7/31/2003	30405	14594	44999
	US	020019	########	6/1/2002	5/31/2005	99272	47650	146922
	US	030065	########	4/1/2003	3/31/2004	43953	21097	65050
ıdation		050283						$0.00
		060244	05/01/2006					$0.00
1 RO1 DC(	US	000024	9/30/1999	7/1/2000	6/30/2005	432120	55858	487978
	CO	000154	4/12/2000			122550	0	122550
	US	000182	5/24/2000	10/1/2000	9/30/2005	143110	50088	193198
	US	010097	2/2/2001	1/12/2001	########	201214	70424	271638
	US	010107	2/26/2001	12/1/2001	########	25121	35	33871
	US	010111	2/28/2001	1/12/2001	########	202213	70774	272987
	US	030144	1/29/2003	12/1/2003	########	106600	37135	143735
	US	030235	5/9/2003	4/1/2004	3/30/2009	76594	592	77186
	US	040080	11/4/2003	11/1/2003	4/30/2004	50000	0	50000
.s Southwestern Medica		050176	02/18/2005					########
lealth (NIH)		060023	09/28/2005					$0.00
lealth (NIH)		060047	10/01/2005					########
lealth (NIH)		060053	11/01/2005					########
lealth (NIH)		060184	03/01/2006					########
of Texas at Austin		060289	06/01/2006					########
UTDPIN-0(	US	P00002		9/1/2000	8/31/2003	124890	50717	175607
	US	000153	4/11/2000	9/1/2000	8/31/2003	124890	50717	175607
	CO	020005	9/4/2001			7187	327	7514
	CO	000140	4/3/2000	3/28/2000	8/31/2000	4054	1946	6000
	US	000214	7/25/2000	1/1/2001	########	34861	16733	51594
	US	010183	7/24/2001	1/1/2002	########	47615	22855	70470
	TX	020047	########	########	########	25000	0	25000
	US	010121	3/22/2001	10/1/2001	9/30/2004	45864	18559	64423
	US	020162	3/28/2002	9/1/2002	8/31/2005	19732	9471	29203
	CO	010122	3/22/2001	6/6/2001	8/31/2001	9744	4677	14421
	TX	030052	########			74085	30761	104847
	US	010113	3/1/2001	9/1/2001	8/31/2004	55680	19526	75206
	US	010181	7/24/2001	6/1/2002	5/31/2007	48690	23371	72061
	US	030088	12/5/2002	6/1/2003	5/31/2006	42594	20445	63039
	US	030187	3/4/2003	9/1/2003	8/31/2006	54048	26754	80802
	US	030269	7/15/2003	6/1/2004	5/31/2009	51998	25739	77737
ıdation		050125	01/21/2005					########
	US	000160	4/24/2000	7/1/2000	6/30/2001	72076	33876	105952
1R01MH63	US	000180	5/17/2000	9/1/2001	8/31/2006	200000	88585	288585
	US	010167	6/21/2001	9/1/2002	8/31/2007	250000	117600	367600

	US	020130	2/13/2002	1/1/2003	########	250000	117600	367600
lealth		050189	03/01/2005					########
lealth (NIH)		060313	07/01/2006					########
	US	030082	12/2/2002	5/1/2003	4/30/2006	27020	12970	39990
l Society/National Scie		050198	03/04/2005					########
onsortium		050221	03/31/2005					########
es		060222						$5,040.00
	US	030263	7/21/2003			13378	6622	20000
lndustries, Inc.		050297	06/01/2005					########
ommunications Researc		060016	09/01/2005					########
ıdation (NSF)		060055	12/18/2005					########
ıdation (NSF)		060213						$0.00
	LG	000082	1/7/2000	2/1/2000	9/30/2000	170700	22814	193514
	O	000163	5/2/2000	5/1/2000	5/31/2001	10000		10000
	O	000172	5/8/2000			13000		13000
lealth		050012	09/20/2004					########
	TX	010185	7/26/2001	9/1/2001	8/31/2002	203882	0	203882
andards and Technolog		060305	06/12/2006					########
		050115	01/10/2005					########
e of Technology (MIT)/		060285	05/18/2006					########
	CO	010004	9/7/2000	9/10/2000	1/10/2000	46592	17564	64156
	US	020120	2/5/2002	7/1/2002	6/30/2004	37499	17220	54719
	CO	040126	1/8/2004	########	########	18729	9270	28000
		040130	1/8/2004	9/1/2003	8/31/2004	10435	5165	15600
	O	000044	########	1/1/2000	########	69440	0	69440
	US	020207	6/11/2002	10/1/2002	9/30/2003	20270	9730	30000
		030078	########	10/1/2002	6/30/2003	33250	1750	35000
	US	040125	1/5/2004	6/1/2004	5/30/2007	40134	19866	60000
		050004	09/07/2004					########
		050016	09/16/2004					########
:.		050030	10/14/2004					########
:.		050031	10/14/2004					########
ommunications Researc		050108	01/07/2005					########
		050212	02/01/2005					########
nternational Corporatio		050259	05/02/2005					########
		060327	06/29/2006					########
onal Ltd.		060356	07/19/2006					########
P116A000	US	P00009				75456	6037	81493
	US	030051	########	7/1/2003	6/30/2006	41999	17760	59759
	US	030265	7/21/2003			55182	27315	82497
ıdation		050101	01/04/2005					########
ıdation		050161	02/04/2005					########
ıdation		050165	02/07/2005					########
ıdation (NSF)		060343	07/18/2006					########
ıdation (NSF)		060120	01/10/2006					########
ı		060133	02/01/2006					########
lealth (NIH)		060137						########
rogram		060145	02/15/2006					########
und		060253	04/14/2006					########
ıdation (NSF)		060341	07/14/2006					########
	US	000141	3/27/2000	6/1/2000	5/31/2001	8000	2000	10000

	TX	000156	4/17/2000	6/1/2000	5/31/2001	10800		10800
	US	010032	########	6/1/2001	5/31/2004	7000	0	7000
	O	010099	1/31/2001	5/30/2001	8/25/2001	3500		3500
	US	030119	1/9/2003	6/1/2003	6/30/2006	128864	61855	190719
(	US	000020	9/29/1999	9/1/1999	5/31/2000	3346	1606	4952
	FN	020109	1/31/2002	6/1/2002	5/31/2005	50000		50000
	FN	030147	1/29/2003	6/1/2003	5/31/2006	50000	0	50000
	TX	030060	########	5/1/2003	4/29/2004	14381	7119	21500
	US	040073	########	4/1/2004	4/1/2005	86700	42916	129616
Austin		050019	09/27/2004					########
e		050026	10/06/2004					########
ıdation/NIRT		050059	11/12/2004					########
ıdation/NIRT		050081	11/12/2004					########
and Development Fou		050082	12/01/2004					$6,000.00
ı		050152	01/31/2005					########
entific Research		050247	04/04/2005					########
and Development Fou		050252	10/15/2003					$3,500.00
se Advanced Researc		050262	05/04/2005					########
		060025	09/19/2005					########
ıdation (NSF) NIRT/Uni		060076	11/21/2005					########
ıdation (NSF) NIRT/Sou		060077	11/21/2005					########
		060262	04/01/2006					$8,500.00
	US	010084	1/23/2001	9/1/2001	8/31/2004	63072	30275	93347
	US	010069	########	7/15/2001	1/14/2002	20270	9730	30000
	US	020115	2/5/2002	9/1/2002	8/31/2005	56964	27343	84307
	US	030249	4/28/2003			13000	3250	16250
	US	040129	1/8/2004	9/1/2004	8/31/2007	51372	25429	76801
ıdation		050199	03/07/2005					########
ical Center		060067	11/15/2005					########
		060233	03/15/2006					########
	CO	010103	2/15/2001	5/1/2001	4/30/2002	37162	17838	55000
	US	030077	########	5/1/2003	4/30/2006	53618	25737	79355
ıdation		050087	01/05/2005					########
ıdation		050132	01/21/2005					########
ıdation		050134	01/21/2005					########
	US	010018	9/20/2000	6/1/2001	7/14/2004	88013	35027	123040
	US	020039	########	8/1/2002	7/31/2005	36536	17537	54073
	US	030054	11/1/2002	6/15/2003	6/14/2005	58808	28228	87036

TDIRAMT	TINDIREC	TTOTALAI	ICBASE	CSACCT	CSAMOUN	CSACCT2	CSAMOUN	CSACCT3
97604	46850	144454	48% MTDC					
88313	42390	130703	48% MTDC					
300668	144321	444989	48% MTDC					
		########						
1365308	638608	2003916	49.5% MTDC					
1118403	307510	1425913	48% MTDC					
		########						
		########						
		########						
219496	86494	305990	48% MTDC	7-70528	19000			
		########						
		########						
		########						
		########						
		########						
		########						
		########						
180000		180000						
		########						
		########						
10000		10000	0%					
		$5,000.00						
149995		149995	0%					
117568	32432	150000	48% MTDC					
		########						
		########						
		########						
207423	99563	306986	48% MTDC	2-22700	155524			
207423	99563	306986	48% MTDC	5-20524	155524			
121243	0	121243	0%	2-22700	59716			
		########						
		########						
295442	131252	426694	48% MTDC	222700	45000			
504325	242076	746401	48% MTDC					
156484	70792	227276	48% MTDC					
750000	236932	986932	35% MTDC					
675244	324117	999361	48% MTDC	5-20524	123077			
182336	87523	269859	48% MTDC					
500000		500000	0%	5-20524	155484			
847688	394890	1242578	48% MTDC		0			
315457	151419	466877	48%					
		########						
		########						
		########						
67568	32433	100001	48% MTDC					
1000000	459708	1459709	48% MTDC					
1000000	495000	1495000	49.5% MTDC					
618193	296733	914926	48% MTDC					
5186740	2213263	7400002	49.5% MTDC					
1788513	711488	2500001	49.5% MTDC					

		########			
120000		12000	0.0% MTDC		
		########			
		########			
1011936	476158	1488094	49.5% MTDC		
		########			
310789	149179	459968	48% MTDC		
67047	32183	99230	48% MTDC		
		########			
		########			
401629	98371	500000	49.5% MTDC		0
18992	950	19942	5% MTDC		
215991	74355	290346	49.5% MTDC		
83028	39853	122881	48% MTDC		
		########			
		########			
		########			
2591083	663604	3254687	48% MTDC		
		########			
166947	80134	247081	48% MTDC		
		########			
		########			
		########			
		########			
1889332	285576	2174908	35%		
1437802	470681	1908483	35% MTDC		
130000		130000			32500
69666	29782	99449	49.5% MTDC		10450
35000		35000	0%		
182433	87567	270000	48%		
		########			
125000	28800	153800			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
121000		121000	0%		
289271	138850	428121	48% MTDC	222700	51927
		########			
700000	244300	944300	35% MTDC	5-20303	35090
		########			
		########			
		########			
20270	10034	30304	49.5% MTDC		
		########			
		########			
98983	48996	147979	49.5% MTDC		
609000	141075	750075	49.5% MTDC		

332008	159364	491372	48% MTDC	222700	57120			
		########						
106456	51099	157555	48% MTDC		0			
		########						
81400	6512	87912	8% MTDC	2-10228	17502	2-22904		3-17047
23920	0	23920	0%	3-17040	3100			
24890	0	24890	0%					
		########						
		########						
		########						
1386006	608163	1994169	48% MTDC					
1377194	622806	2000000	49.5% MTDC					
		########						
60000		60000			15000			
			0%					
20000		20000	0%					
19430	0	19430	0%	5-25178	3000			
		########						
		########						
2657995	1259038	3917032	48% MTDC	6-39303	912621	2-22221	0	2-22700
1461954	538044	2000000	49.5% M952		95208			
		########						
		########						
112724	11272	123996	10% MTDC					
236200	23620	259820	10% MTDC					
409211	112421	521632	48% MTDC	5-20524	19213			
		########						
		########						
		########						
1317567	632432	1950000	48% MTDC					
		4708000	48% MTDC					
		9238000	48% MTDC					
		74506000	48% MTDC					
		########						
		########						
		########						
		########						
1151662	31333	1182995	8% MTDC					
		########						
680175	15310	695485	5% TDC	6-38022	45901			
337838	162162	500000	48% MTDC					
2494620	386218	2880838	48% MTDC					
		928000	48% MTDC					
393019	188649	581669	48% MTDC					
402088	193002	595090	48% MTDC	2-11700; P	415285			
1146234	138576	1284860	48% MTDC	222700	450000			
550646	24750	575396	49.5%		246598			
		750000	48% MTDC					
538865	258655	797520	48% MTDC					
348965	167503	516468	48% MTDC					
308208	145060	453268	48% MTDC					

		########			
42000	7140	49140	17% TDC		
651740	20949	672689	5% TDC	6-380(	192818
174376	26156	200532	15% TDC		
		$0.00			
8100	0	8100			
85186	42167	127353	49.5% MTDC		
		########			
		########			
		########			
		########			
		########			
441298	181103	622401	48% MTDC		
		########			
		########			
35000		35000	0%		
50000	0	50000	0%		
		########			
200000		200000	0%		
60000		60000	0%		
710308	312002	1022310	49.5% MTDC		
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
539498	68700	608198	48% MTDC	PUF FUND	260656
23986	11513	35500	48% MTDC		
580141	171338	751480	48% MTDC		
240491	97511	338002	49.5% MTI	222700	36074
403742	193796	597538	48% MTDC	222700	100936
		########			
		########			
		########			
		########			
69533	1636	71169	8% MTDC		
		########			
		########			
		########			
112255	53882	166137	48% MTDC		
133923	64283	198206	48% MTDC		
1275100	210600	1485700	48% MTDC	2-22700	500700
35274	0	35274	0%		
448299	215184	663483	48% MTDC	222700	72000
385000	0	385000	0% MTDC	222700	87500
11976	4308	16284	48% MTDC		
		########			

		########			
		########			
147590	70843	218434	48% MTDC		
		########			
32423	10763	43186	48% MTDC		
		########			
		########			
		########			
		########			
2042242	941610	2983852	49.5% MTI	222700	306336
		########			
		########			
35260	16925	52185			
445561	165113	610674	49.5% MTDC		
		########			
		########			
147412	70758	218169	48% MTDC		
98930	47438	146269	48% MTDC		
		########			
24000	0	24000	0% MTDC		
91500	0	91500	0% MTDC		
775655	222589	998422	48% MTDC		
149574	71795	221369	48% MTDC		0
70000	0	70000	0% MTDC		
146956	70539	217495	48% MTDC		
164904	79154	244057	48% MTDC		
165194	79293	244487	48% MTDC		
		########			
22000		22000	0%		
22000		22000	0%		
24000	0	24000	0%		
4712	0	4712	0% MTDC		
		########			
		########			
		########			
15000		15000	0%		
366426	175885	542311	48% MTDC		
		########			
344078	165157	509235	48% MTDC		
		########			
3000	0	3000	0%	5-25178	3000
		$1,500.00			
		$800.00			
		########			
30000	2400	32400	8% MTDC		
4500	0	4500	0%		
4411494	5851204	10262698	48% MTDC	3-17507	585120
298900	143472	442372	48% mtdc		
		########			
50676	24324	75000	48% MTDC		
43000		43000	0%		

27589	0	27589	0%		
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
		########			
2500		2500	0%		
73500		73500	0%		
1658152	331008	1989160	49.5% MTDC		165000
		########			
		########			
		########			
		########			
		########			
87800		87800	0.0% MTDC		
217099	98925	316024	48% MTDC		
29970	0	29970	0% MTDC		
		########			
41984		41984	0%		
935365	422911	1358276	49.5% MTDC		
192903	72841	265744	48% MTDC		
		########			
		########			
133751	64200	197951	48% MTDC		
168766	81008	249774	48% MTDC		
152540	73219	225759	48% MTDC		0
910413	434598	1345011	48% MTDC		
44000	21120	65120	48% MTDC		
138550	66504	205053	48% MTDC		
87605	42051	129656	48% MTDC		
196549	17957	214506	25% MTDC		
59300	24624	83924	48% MTDC	2-11200	3000
		########			
		########			
337838	162162	500000	48% MTDC		
200000		200000	49.5% MTDC		
		########			
		########			
		########			
		########			
		########			
		########			
470398	122177	592575	47% MTDC	PUF FUND	95670

746914	204192	951106	48% MTDC		0		
20000		20000	0%				
321080	114920	436000	48% MTDC	2-11203	30000		
13514	6486	20000					
470119	37610	1279882	8% MTDC	2-10500	274898	2-11500	5-20310
1170848	36068	1206916	8% MTDC	2-10500	354228	2-11500	
14752332	5247668	20000000	49.5% MTDC				
		########					
3665492	1124837	4790330	49.5% MTDC		3000000		
787432	327567	1114999	48% MTDC				
		########					
749013	301461	1050474	49.5% MTDC				
2292676	1069980	3362656	49.5% MTDC				
		########					
		########					
35689	7138	42827	20% TDC				
293170	5863	35180	20.0% TDC				
		########					
		########					
6646	1662	8308	25% MTDC	639124	1729		
67547	13804	99970	48% MTDC	6-38013	56352	6-38004	6-38016
1028532	133691	1161223	49.5% MTDC				
154178	76318	2304960	49.5% MTDC				
131150		131150	0.0% MTDC				
80050	12007	92057	15% MTDC				
		########					
431405	208595	640000	49.5% MTDC		96000		
52256		52256	0%				
65631	0	65631	0%				
26968	12945	39319	48% MTDC				
		########					
		########					
		########					
276657	136945	413602	49.5% MTDC				
192400		192400	0%				
326589	156762	483351	48% MTDC				
316315	151831	468146	48% MTDC				
399391	95567	494958	48% MTDC	5-20524	50292		
		########					
207642	102783	310425	49.5% MTDC				
		########					
369085	144521	513608	48% MTDC				
199636		199636	0%				
92850	32150	125000	48% MTDC				
174939		174939	0.0% MTDC		43735		
		########					
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		########			
35000		35000	0%		
		$6,210.00			
		########			
133648	64151	197799	48% MTDC	2-27004	39560
		########			
43860	21711	65571	49.5% MTDC		
274210	112421	386630	48% MTDC		149943
		########			
		########			
63330		63330	0%	2-22700	31700
676123	319831	995954	49.5% MTI	222700	117900
		########			
		########			
		########			
		########			
		########			
		########			
18000	0	18000	0%		
		########			
		########			
		########			
		########			
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		########			
		########			
		########			
		########			
20000	0	20000	0%		
20000	0	20000	0%		
50000		50000	0%	2-10100	67918
188216		188216	0%	5-25160	2000
		########			
		########			
398432	197224	595656	49.5% MTDC		
		########			
		########			
337838	162162	500000	48% MTDC		
363148	174311	537459	48% MTDC		0
383331	183999	567330	48% MTDC		
337810	162149	499959	48% MTDC		
		$4,950.00			
2500	0	2500	0%		
218184	21816	240000	10%		
		########			
586754	369598	1956352	48% MTDC		0
778268	778356	962205	48% MTDC		

		########					
300003	141222	441225	48% MTDC				
142283	51976	194258	48% MTDC				
		########					
126778		126778	0%				
117724	41203	158927	35% MTDC				
129105	61971	191076	48% MTDC	222700	18078		
313890	147787	461677	48% MTDC				
317471	149506	466977	48% MTDC				
224536	104897	329433	48% MTDC				
150000		150000	48% MTDC				
325291	153740	479031	48% MTDC				
40540	19460	60000	48% MTDC				
		########					
450000	187680	637680	48% MTDC				
0	0	2500	0%				
1000	0	1000	0%				
781814	18184	799998	8% MTDC	2-10500	772952	2-11500	5-20310
		########					
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150000	74250	224250	49.5% MTDC				
616518	43481	1500000	8% MTDC	2-10500	1360432	2-11500	5-20310
2349138	125531	2474669	8% MTDC		844705		
1220598	26488	1247086	8% MTDC	5-20310	20000		
		########					
28044		28044	48% MTDC	2-22666	91732		
339975	158388	498363	48% MTDC				
200000		200000	0%				
263427	126444	389871	48% MTDC				
301272	144610	445882					
196469	92145	288614	48% MTDC				
141500		141500	0.0% MTDC		35375		
162930	78206	241136	48% TDC				
101337	48642	149979	48% TDC				
451164	187759	638923	48% MTDC	222700	40000		
10055		10055	0%				
100000	35000	135000	35% MTDC				
5000		5000	0% MTDC				
150000	52500	202500	35% MTDC				
149952		149952	48% MTDC	2-22700	10000		
		########					
		########					
		########					

		########				
		########				
		########				
1463087	214996	1678083	49.5% MTDC			
9436	1604	11040	17% MTDC		0	
8547	1453	10000	17% MTDC			
82000		82000				
	2339	16100	17% MTDC			
35300	6000	41300	17% MTDC			
		10000	0%			
49000		49000	0%			
54295	9230	63525	17% TDC			
8547	1453	10000	17% TDC			
		########				
1330291	523879	1854170	49.5% MTI	222700	160251	
329400		329400	49.5% MTDC		25000	
297600		297600	49.5% MTDC			
183946	91053	274999	49.5% MTDC			
		########				
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		########				
		########				
171655	82394	254049	48% MTDC			
		########				
		########				
250000		250000	0%			
370653	127321	497974	48% MTDC	2-22200	96000	
535117	264882	799999	49.5% MTDC		66890	
25984	12862	38846	49.5% MTDC			
		########				
35000		35000	0%			
		########				
1445323	626555	2071878	48% MTDC	2-10229	1035940	
67500	32400	99900				
79600	20400	100000	48% MTDC			
19000	0	19000	0%			
200000		200000	0%			
489150	0	489150	0%	2-22700	122400	5-20524
147854	0	147854	0% MTDC		110892	
468672		468672			468672	
		########				
		########				
		########				
150000		150000			100000	
		########				
		########				
106688	51210	157898	48% MTDC			

24050	11544	35594	48% MTDC	
23970	1920	25890	48% MTDC	
99970	49486	149456	49.5% MTDC	0
		########		
		########		
		########		
70425	32088	102513	49.5% MTDC	
		########		
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		########		
14000	3500	17500	25% MTDC	
43850	9088	52938	25% MTDC	
14400	3600	18000		
2400	600	3000	25% MTDC	
30000	7800	37800	26.0% MTDC	
80000		80000	0.0% MTDC	20000
		########		
		########		
		########		
		########		
		$0.00		
		$0.00		
		$0.00		
		$0.00		
210626	98220	308846	48% MTDC	
133000		133000	48% MTDC	
283777	131413	439200	48% MTDC	
235917	110360	346277	48% MTDC	
134656	64635	199291	48% MTDC	
		########		
33784	16216	50000	48% MTDC	
8100		8100	0%	
135000	0	135000	0%	
150000		150000	0%	
67567	32433	100000	48% MTDC	
150000		150000	MTDC	
		########		
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		########		
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		########		
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		########		
		########		
101345	48646	149991	48% MTDC	

46478	22309	68787	48%	MTDC		
		########				
		########				
69500		69500	0%			
199000		199000	0%			
		########				
142000		142000	0%			
		########				
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		########				
49605	3964	53569	8%	MTDC		50598
24000	6000	30000	25%	MTDC		
141746	68038	209784	48%	MTDC		
89924	44512	134436	49.5%			
254228	0	254228	48%	MTDC	2-22700	32472
154972	74387	229359	48%	TDC	2-22700	67117
147295	70702	217997	48%	MTDC	222700	44294
60000		60000	0%			
120000	0	120000	0%			
337835	162161	499996	48%	MTDC		0
135000		135000	0%			
10585000	0	10585000	0%			
7483317	3500792	10984109	48%	MTDC		
472736	226913	699649	48%	TDC		
795000	0	795000	0%			
55000	0	55000	0%			
42378	7621	49999	48%	MTDC		
		########				
		########				
		########				
		########				
111086	8888	119974	8%	TDC		
135000		135000	0%			
	19500	214500	10%	TDC		0
	12400	124000	10%	TDC		
250000		250000	0%			
112726	11274	124000	10%	TDC		
195000	19500	214500	10%	TDC		
150000		150000	0%			

112726	11274	124000	10% MTDC			
321290	154219	475509	48% MTDC			
322904	159837	482741	49.5% MTDC			
75000	37125	112125	49.5%			
260868	39132	300000	15.0%			
		########				
254030	121934	375964	8% TDC	TBD	777836	
20000		20000	0%			
18000	0	18000				
47264	22687	69951	48% MTDC			
7758	0	7758	49.5% MTDC			
		########				
145188	65418	210606	47% MTDC			
1574234	103301	1677535	8% TDC			
58880	5888	64768	10% TDC			
15404454	2743325	18147779	35% MTDC			
26316	3684	30000	14%			
26316	3684	30000	14%			
14893	1489	16382	10% MTDC			
20270	9730	30000	48% MTDC			
		########				
		########				
55738	4459	60197	8% MTDC			
5000		5000	0%			
293051	130705	423756	49.5% MTDC		75000	
		########				
		########				
16892	8108	25000	48% MTDC			
16892	8108	25000	48% MTDC			
37945	18214	56159	48% MTDC			
38500	18480	56980	48% MTDC			
152000		152000	0%			
33445	16555	50000	49.5% MTDC			
		241740	0.0% MTDC			
54900		54900	0%			
		########				
		########				
257912		257912	0%	HUD,2105(	445890	
255912		255912	0%	HUD21050	262512	1021
159680		159680	0%	TBD	159680	
76429	7643	84071	10% TDC			
77807	27232	105039	35% MTDC			
		50000	0%			
50000		50000	0%			
15000		15000	0%			
30466	0	30466	8%			
705252	345230	1050482	49.5% MTDC			
741652	365971	1107623	49.5% MTDC			
		########				
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		########			
101315	48631	149946	48% MTDC		0
82900		82900	0%		
40000		40000	0%		
319724	153468	473192	48% MTDC		
861015	394087	1255102	48% MTDC		
1940464	504443	2444907	49.5% MTDC		
		########			
10000		10000	0%		
355392	22568	377960	49.5% MTDC		
		########			
201608	96772	298380	48% MTDC		
136703	65617	202320	48% MTDC		
		$0.00			
		$0.00			
628380	301623	930003	48% MTDC		
1414866	403134	1818002	48% MTDC		
		########			
52169	25041	77210	48% MTDC		
53036	25457	78493	48% MTDC		0
55652	26713	82365	48% MTDC		
8100		8100	0%		
35881	17223	53104	48% MTDC		
39781	19691	19691	49.5% MTDC		
		########			
		########			
281769	135249	417018	48% MTDC		
147945	71014	218958	48% MTDC		
172880	82982	255862	48% MTDC		
184770	91461	276231	49.5% MTDC		
		########			
		$0.00			
8065		8065	0%		
		########			
		$5,000.00			
		$5,000.00			
		########			
		########			
		########			
18232	6768	25000	48% MTDC		
145984	70072	216056	48% MTDC		
199303	95665	294968	48% MTDC		
105579	50678	156257	48% MTDC		
		########			
		########			
		########			
174959	13997	188956	8% MTDC	210400	188956
180419	14434	194852	8.0% MTDC		223520
38000	10890	48890	49.5% MTDC		

10000		10000	0%			
67565	32431	99996	48%	MTDC		
37200	0	37200	0%			
		########				
		########				
		########				
		########				
50000	0	50000	0%			
135000		135000	0%			
194424		194424	0%			
623310	119049	742359	20%	MTDC		
975000	452640	1427640	48%	MTDC		
517293	248301	786813	48%			
150000	0	150000				
1025000	476686	1501686	48%	MTDC		
		########				
309769	89154	398923	48%	MTDC		
135000		135000	0%			
35000		35000	0%			
25000		25000	0%			0
7200		7200	0%			
150000		150000	0%			
240000	0	240000	0%			
35000	0	35000	0%			
600000	280800	880800	48%	MTDC		
150000	0	150000	0%			
		########				
		########				
		########				
		########				
		########				
900000	410016	1310016	48%	MTDC		
362394	83099	445493	25%	MTDC	2-10223	6640
1000000	458016	1458016	48%	MTDC		
60500	29040	89540	48%	MTDC		0
274621	127258	401879	48%	MTDC		0
750000	337368	1087368	48%	MTDC		
600000	280800	880800	48%	MTDC		
212400	21240	233640	10%			
900000	420000	1320000	48%	MTDC		
37560	0	37560	0%			
1125000	544500	1669500	49.5%	MTDC		
150000	0	150000	48%			
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900000	420000	1320000	48% MTDC		
112728	11272	124000	10% TDC		
248394	119229	367622	48% MTDC		
50000		50000	0%		
900000	874089	1319563	48% MTDC		
15000	0	150000	0%		
374233	185245	559478	49.5% MTDC		
183750		183750	MTDC		
		########			
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		########			
		########			
166102	13075	179177	10% MTDC		
		########			
123204	56737	179941	48% MTDC		
246298	118223	364521	48% MTDC		
229922	110362	340284	48% MTDC		
391378	183782	575160	48% MTDC		
		########			
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		########			
		########			
		$0.00			
		########			
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		########			
		########			
6864	312	7176	5% S&FB		
2000		2000	0%	2-11121	2000
3000		3000	0%	211121	3000
1470		1470	0%		
		$5,000.00			
85888		85888	O%		
82988		82988	O%		
337838	162162	500000	48% MTDC	2-12600	33786
11040	0	11040	0%		
13761	2339	16100	17% MTDC		
7500		7500	0%		
49000		49000	0%		

28409	0	28409	0%		
28409	0	28409	0%		
35300	6000	41300	17% MTDC		
699356	13592	712948	0%		27803
70000	0	70000	0%		
699356	13592	712948	0%	3-16705	330007
89195	0	89195	0%		
81000	0	81000	0% MTDC		
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128417	51656	180067	48% MTDC		
26680		26680	0%		
55151	8282	63423	15%		
71689	34411	106100	48% MTDC		
1077640	517270	1594910	48% MTDC		
943736	140107	1083843	49.5% MTDC		
		########			
		########			
86956	13043	100000	15% TDC		
20279	3042	34321	15% TDC		
52173	7826	59999	15% MTDC		
20270	9730	30000	48% MTDC		
17391	2609	20000	15% TDC		
17391	2608	20000	15% MTDC		0
26771	13250	40020	49.5% MTDC		
		########			
31428	1572	33000	5% TDC		
135000		135000	0%		
37738	1887	39625	5% TDC		0
41304	2065	43369	5% TDC		
31742	1587	33329	5% TDC		
135000		135000	0%		
204080	95920	300000	47% MTDC		
45704	2285	47989	5% TDC		
43778	2189	45967	5% TDC		
41107	2055	43162	5% TDC		
43778	2189	45967	5% MTDC		
15000		15000	0.0% MTDC		
1400670	99330	1500000	49.5% MTDC		
150000		150000	0.0% MTDC		
15000		15000	0%		

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		########			
		########			
119134	57184	176318	48% MTDC		
165617	79496	245113	48% MTDC		
28263	13566	41829	48% MTDC		
107297	51503	158800	48% MTDC		
			0%		
90261	43325	133586	48% TDC		
33784	16216	50000	48% TDC		
159856	79128	238984	49.5% MTDC		
		########			
		$9,951.00			
		########			
536443		707757	35% MTDC		
909265	313641	1222911	35% MTDC		0
62992	30236	93228	48% MTDC		
209189	90811	300000	48% MTDC	5-20524	91020
150000		150000	0%		
67568	32432	100000	48% MTDC		
		########			
		########			
		########			
214791	0	214791	0%		
44842	0	44842	0%		
		########			
148350		148350	0%		
531473	249714	781188	49.5% MTDC		
4500	0	4500	0%		0
603538	275981	879519	49.5%		100000
		########			
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		$9,938.00			
		########			
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		########			
35536	15329	50865	48% MTDC		
		$6,350.00			
		$7,350.00			

		########			
		$0.00			
		3000000	48% MTDC		
408016	89819	497834	48% MTDC		
29336	3522	32858	48% MTDC		
26550	13142	39692	49.5%		
108761	53837	162599	49.5%		
		########			
255453	45306	300759	19% MTDC		
10000	2500	12500	25% TDC		
825000	384000	1209000	48% MTDC		
150000		150000	0%		0
464124	222780	686904	48% MTDC		
8100		8100	0%		
1250000	600000	1850000	48% MTDC		
8100	0	8100	0%		
1250000	600000	1850000	48.0% MTDC		
		########			
		########			
		########			
		########			
		########			
		########			
		$4,000.00			
750000	360000	1110000	48% MTDC		
1250000	372000	1622000	48% MTDC		
549730		2198920	0%		
225650	108312	333962	48% MTDC		
1000000	358875	1358875	49.5% MTDC		
		$0.00			
126300		126300	0%		
450000	214573	664573	48% MTDC		
150000		150000	0%		
150000	0	150000			
		########			
		########			
		########			
		########			
		########			
		$6,000.00			
8100		8100	0%		
8100		8100	0%		
417338	184026	601364	48% MTDC	2-22000	33950
433765	189991	623756	48% MTDC	2-22200	33950
135000		135000	48% MTDC		
150000		150000	0%	2-11203	35750
100000		100000	0%		
625000	266976	891976	48% MTDC	2-11203	36338
825000	371040	1196040	48% MTDC	222200	37763
825000	381447	1206447	49.5% MTDC		39378
		########			

		########		
		########		
51148	19817	70965	48% MTDC 2-22700	15540
163435	77008	240443	48% MTDC	
98113	47094	145207	48% MTDC	
74156	35594	109750	48% MTDC 2-22700	15540
98113	47094	145207	48% MTDC	
285878	89222	375100	48% MTDC	0
160878	77222	238100	48% MTDC	0
50200	24096	74296	48% MTDC	
136144	64916	201060	49.5% MTDC	29356
1205824	330164	1535988	49.5% MTDC	129250
198500		198500	49.5% MTDC	49625
		########		
		########		
		$0.00		
		########		
90900	9090	99990	10% MTDC	
150000	0	150000	0%	
150000	0	150000	0%	
35000	0	35000	0%	0
35000	0	35000	0% MTDC	
		########		
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143515	68887	212402	48% MTDC	
		########		
		$0.00		
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		$0.00		
		$0.00		
		$0.00		
		$0.00		
		$0.00		
		$3,600.00		
		########		
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		########		
290762	145381	436143	48% MTDC	
2136529	289909	2426438	49.5% MTDC	150000
		########		
		########		
253332		253332	0%	33086
160801	35376	196177	22.0% MTDC	
198915	43761	242676	22.0% MTDC	
		########		
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27900	13392	41292	48% MTDC		
35140	17394	52534	49.5% MTDC		
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94307	45268	139575	48% MTDC		
			0%	2-11008	9744
136750	65640	202390	48% MTDC		
12697703	6094897	18792600	48% MTDC		
13634324	6544476	20178800	48% MTDC		
81733	39232	120965	48% MTDC		
2376171	960830	3337000	49.5% MTDC		
		########			
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		$0.00			
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		$0.00			
		$0.00			
25626	12300	37926	48% MTDC		
		########			
		########			
		########			
10000		10000	0% MTDC		
50000		50000	0% MTDC		
45541	19459	65000	48% MTDC		
99900	25392	125292	48% MTDC		
23300	10700	34000	48% MTDC		
37481	9351	46832	48% MTDC		
74153	25513	99666	48% MTDC		
6689	3311	10000	49.5% MTDC		
43750	0	437500	49.5% MTDC		
18000	0	18000	49.5% MTDC		
3062700	1227000	4289700	49.5% MTDC		
2436700	939300	3376000	49.5% MTDC		
		########			
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54544	5454	59998	10% TDC		
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617000		617000	0%		
833	167	1000	20% TDC		
127926	25585	153511	20% TDC		
86422		86422	0%		
5850	0	5850	0%		
30382		30382	0%		
264598	123167	387765	48% MTDC		
104034	49936	153970	48% MTDC		
		########			
137317	62479	199796	45.5% MTDC		
141437	64354	205791	45.5% MTDC		
1535767	349734	1885501	48% MTDC		
1597265	351391	1948656	48% MTDC		
226441	101492	327933	48% MTDC		
259952	115176	375128	48% MTDC	5-20524	117544
280210	120100	400310	48% MTDC	2-22700	117544
		########			
293010	72971	365981	25% MTDC		
45000		135000	0%		
			0%		
346455	166298	512753	48% MTDC		
425000	190656	615656	48% MTDC		
430598	100700	531298	25% MTDC		
135000	0	135000	0%		
150000	0	150000	0%		
369000	73800	442800	20% MTDC		
800000	384000	1184000	48% MTDC		
50000	0	50000	0% MTDC		
50000	0	50000	0% MTDC		
205713	20571	226284	10% MTDC		
150000	0	150000	0% MTDC		
112728	11272	124000	10% MTDC		
229743	22974	252717	10% MTDC		
274746	135999	410745	49.5%		
10000	0	10000	0.0%		
		########			
		########			
22831	3425	26256	15% TDC		
402924	40292	443217	10% TDC	525279	47109
317619	31762	349381	10% MTDC		
1008959	100896	1109855	10% MTDC		
		########			
		########			
628985	206145	835130	35% MTDC		
775000	257250	1032250	35% MTDC		
150000		150000	0%		
		########			
305950	146855	452805	48% MTDC		

46745	20040	66785	48% MTDC		
304337	146082	450419	48% MTDC		
185086	88841	273927	48% MTDC		
33445	16555	50000	49.5% MTDC		
60600		60600	49.5% MTDC		
60600		60600	49.5% MTDC		
		########			
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		########			
191508	8492	200000	8% MTDC	2-11300	72815
25000		25000	0%	2-11300	60870
30306	2424	32730	8% MTDC		
789471	63158	852629	8% TDC	2-11300	467804
34520		34520	0%	2-11300	32944
126910	60917	187827	48% MTDC		
136089	65323	201412	48% MTDC		
110746	53158	163904	48% MTDC		
111446	55166	166612	49.5% MTDC		
280769	138980	419749	49.5% MTDC		72000
149000		149000	0.0% MTDC		37250
		########			
		########			
75000		75000	0.0% MTDC		18750
399108	191572	590680	48% MTDC		
875000	398904	1273904	48% MTDC		
80000		80000	0%		
34722	16187	50909	48% MTDC		
80000	0	80000	0		0
225000	0	225000	0%		
150000	74250	224250	49.5% TDC		
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87000		87000	0.0% MTDC		20000
234974	105026	340000	49.5% MTDC		60000
234974	105026	340000	49.5% MTDC		50000
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		$5,000.00			
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25000		25000	0%	2-11100	41310
60000	0	60000	0% MTDC		
		$7,500.00			
		########			
		########			
		########			
67985	12041	80026	48% MTDC		
231248	101399	332647	48% MTDC		0
81081	38919	120000	48% MTDC		
201328	96637	297965	48% MTDC		
156766	75248	232014	48% MTDC		
20270	9730	30000	48% MTDC		
80000		80000	48.0% MTDC		20000
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71807		71807	0.0% MTDC		
		########			
98545	46316	144861	47% MTDC		
1000000	456686	1456686	48% MTDC		
101442	47678	149120	47% MTDC		
150000	0	150000	0% MTDC		
546756	69243	615999	48% MTDC	316923	234324
212500		212500	0.0%		
		########			
		########			
		########			
		########			
102823	45035	147858	48% MTDC		
25100	0	25100	0%		
40873	13619	54492	48% MTDC		
23182	4435	27617	48% MTDC		
172502	53713	226215	48%		0
284187	90810	374997	48% MTDC	5-20524	125000
60000		60000	0%	2-22700	60000
176177	53845	230022	48% MTDC		0
344324	155676	500000	48% MTDC		
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		########		
52196	25837	78033	49.5% MTDC	
90737	41048	131785	47% MTDC	
211980	211980	1098114	48% MTDC	0
323632	152943	476575	48% MTDC	
1000000	489060	1489060	49.5% MTDC	
		########		
		########		
		########		
1000000	480000	1480000	48% MTDC	0
150000	0	150000	0%	
291811	123795	415606	48% MTDC	
199100	11725	210825	0%	
258350	25835	284185	10% TDC	
225000	0	225000	0%	
298219	126870	425089	48% MTDC	
100000	48000	148000	48% MTDC	
287726	142425	430151	49.5% MTDC	0
423258	209512	632770	49.5% MTDC	
20000		20000	0.0%	
15000		15000	0.0%	
275000	136125	411125	49.5%	
		########		
126600		126600	0.0% MTDC	31650
		########		
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100000	49500	149500	49.5% MTDC	
800000	382560	1182560	48% MTDC	
		1086	0%	
322891	154987	477878	48% MTDC	0
800000	382560	1182560	48% MTDC	0
		########		
89606	10394	100000	11.6% MTDC	
		########		
		########		

		########			
		$5,000.00			
		########			
60000	0	60000	0%		
149706		149706	0%		
80000		80000	0.0% MTDC		
		########			
		########			
		$7,102.00			
100000		100000	0%	3-16259	6000
7200		7200	0%		
14400	0	14400	0%		
150000		150000	0%		
119925		119925			
90000		90000	49.5% MTDC		
		########			
4900	0	4900	0%		
138025	61452	199477	48% MTDC		
13518	614	14133	5% S&FB		
55275	26532	81807	48% MTDC		0
507610	240624	748234	49.5% MTDC		
45000		135000	0%		
405114	190248	595362	48% MTDC		0
		########			
51384	127656	393606	48% MTDC	222700	72000
302098	149538	451636	49.5% MTDC		75000
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18637	5841	24478	48% MTDC		
12082	3959	16041	25%		
228900		228900	0%		
		904613	49.5% MTI	222700	46000
343517	162021	505538	49.50%		85800
79576	6366	85942	8% MTDC	2-20600,22	69186
127698	70458	198156	48% MTDC	2-10228	23698
73172	5854	79026	8% MTDC		
30000		30000	0%		
41345	19845	61190	48% MTDC		
106140	36380	142520	48% MTDC		
10135	4865	15000	48% MTDC		
66365	31855	98220	48% MTDC		
		$9,999.99			
		$4,000.00			
1008029	168314	1176343	48% MTDC	PUF FUND	504148
150000		150000	0%		
150000		150000	0%		

200000		200000	49.5%	MTDC		
		########				
		$7,200.00				
		########				
		$0.00				
		$4,689.00				
		########				
		########				
		########				
		########				
466632	94888	561520	48%	MTDC		
		########				
148300		148300	0%		5-25160	2000
148300		148300	0%		5-25160	2000
337440	161972	499412	48%	MTDC	222700	84360
250784	120377	371161	48%	MTDC	222700	62695
		########				
		########				
		########				
247658	105916	353574	48%	MTDC	5-20524	25000
212820	97357	310177	48%	MTDC	2-22700	30000
271552	117865	389417	48%	MTDC	2-22700	36000
122000		122000	0%		2-22700	
122000		122000	0%			
		########				
		########				
192099	92207	284306	48%	MTDC		0
600000	200738	800738	48%	MTDC		0
54054	25946	80000	48%	MTDC		0
1125000	465879	1590879	49.5%	MTDC		0
1125000	556875	1681875	49.5%	MTDC		
		########				
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		########				
261510	105746	367256	48%	MTDC		
325000	121332	446332	48%	MTDC		
15292	7340	22632	48%	MTDC		
		$0.00				
3600	1728	5328	48%	MTDC		
74853	26569	101422	48%	MTDC		
		########				
		########				
114129	53641	167770	47%	MTDC		
121505	57107	178612	47%	MTDC		
208510	103212	311722	49.5%	MTDC		
369554	182929	552483	49.5%	MTDC		
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150000	0	150000			
		135000	0%		
150000		150000	0%		
150000		150000	0%		
150000	0	150000	0%		
		########			
		########			
34650	1575	36225	5% S&FB		
46800	11700	58500	25% MTDC		
14716	0	14716	5% TDC		0
14414	0	14414	5% TDC		0
4973	227	5200	5% S&FB		
53078	25477	78555	48% MTDC		
49850	0	49850	0%		
45400	4540	49940	10% TDC	316350	3000
		########			
		########			
357433	171568	529001	48% MTDC		
		########			
734	146	880	20% TDC		
277048	112440	389488	48% MTDC	5-20524	101904
150185	64506	214691	48% MTDC		
6689	3311	10000	49.5% MTDC		
		########			
325932	87013	412945	25/48 MTDC		
283370	73676	357046	26% MTDC		
		########			
211888	98796	310684	49.5% MTDC		
74669	35841	110510	48% MTDC		
		########			
100000		100000	0%		
311391	149468	460859	48% MTDC	222700	40535
		########			
64722	31066	95788	48% MTDC		
368666	176959	545625	48% MTDC		0
67950	32617	100567	48% MTDC		
95990	47515	143505	49.5% MTDC		
		########			
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		########			
325935	156449	482384	48% MTDC		
800000	363840	1163840	48% MTDC		
150000		150000	0%		

264800	131076	395876	49.5% MTDC		
3379	1622	5001	48% MTDC		
220500	109149	329649	49.5% MTDC		
		########			
		########			
161245	38614	199859	48%MTDC		
12326	0	12326	49.5% MTI	418131	3081
		########			
		########			
229639		229639	0%	5-20303	20345
3600		3600	0%		0
3000		3000	0%		0
85847		85847	0%	5-20303	27861
3700		3700	0%		
		########			
		########			
5995	273	6268	5% S&FB		
13728	624	14352	5% S&FB		
		########			
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256619	118377	374996	48% MTDC	5-20524	125000
205145	89350	294495	48% MTDC		0
256619	118377	374996	0%	2-22700	125000
202704	97297	300000	0%		
138966	66703	205669	48% MTDC		
198070	98045	296115	49.5% MTI	222700	49517
		########			
139767	39484	179251	49.5%		34942
		########			
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		########			
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		########			
328684	140310	468994	48% MTDC		
0		450000	48% MTDC		0
155300		155300	0%		
191570	87154	278724	48% MTDC		
83238	39954	123192	48% MTDC		
		$7,200.00			
119373	0	119373	0%	2-10300	80571
37100	18364	55464	49.5% MTDC		
		########			
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224972	105586	330558	48% MTDC		
		########			
214948	103175	318123	48% MTDC		
81081	38919	120000	48% TDC		

100000		100000	0%
		########	
		########	
337785	162137	499922	48% MTDC
1814626	317032	2131658	35% MTDC
		########	
191892	62133	254025	47% MTDC
354949	170376	525325	48% MTDC
81800		81800	0%
150000		150000	0%
1125000	316320	1441320	48% MTDC
256558	106482	363040	47% MTDC
150000		150000	0%
7200	0	7200	
180000		180000	0.0% MTDC
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		$7,052.00	
135000		135000	0%
149467		149467	0%
332455	164565	497020	49.5% MTDC
80000		80000	
422130	176693	598823	49.5%
		########	
231508	42467	273975	19% MTDC
131573	63155	194729	48% MTDC
348238	146586	494824	48% MTDC
90901	9090	99991	10% TDC
40872	4087	44949	10% MTDC
76634	36784	113418	48% MTDC
		########	
50532	24255	74787	48% MTDC
51852	24889	76741	48% MTDC
54077	25957	80034	48% MTDC
250000	0	250000	0%
200000		200000	0%
150936	72449	223385	48% MTDC
8580	390	8970	5% S&FB
66710	32021	98731	48% MTDC
104593	50205	154798	48% MTDC
244490	121023	365513	49.5% MTDC
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127090	62909	189999	49.5% MTDC		
8000		8000	0%		
67882	32583	100465	48% MTDC		
4500		4500	0%		
825000	354240	1179240	48% MTDC		0
		########			
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		########			
60810	29189	89999	48% MTDC		
306188	146970	453158	48% MTDC		
43953	21097	65050	48% MTDC		
		$0.00			
		$0.00			
2344953	258851	2603804	35% MTDC		
122550		122550	0%	2-11008	42893
746980	261443	1008423	35% MTDC		
1061692	371592	1443133	35% MTDC		
129767	51105	157578	48% MTDC		
1066806	373382	1440186	35% MTDC		
546441	198085	744526	35% MTDC		
1161747	9174	1170921	8% MTDC		
50000	0	50000			
		########			
		$0.00			
		########			
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		########			
378137	153140	531277	48% MTDC		
378137	153137	531277	48% MTDC	5-20522	104855
7187	327	7514	5% MTDC		
4054	1946	6000	48% MTDC		
185455	89018	274473	48% MTDC	5-20524	125000
250166	120080	370246	48% MTDC	2-22700	23075
25000	0	25000	0%		
139860	56765	196625	48% MTDC		
68585	32921	101506	48% MTDC		
9744	4677	14421	48% MTDC		
207466	94784	302250	48.0% MTDC		
140010	60005	200015	48% MTDC		
266587	123162	389749	48% MTDC	2-22700	83160
140654	67514	208168	48% MTDC	222700	25938
166375	82356	248731	49.5% MTI	222700	21222
273591	135427	409018	49.5% MTDC		50000
		########			
72076	33876	105952	47% MTDC		
1000000	445023	1445023	48%MTDC		0
1250000	588000	1838000	48% MTDC		

1250000	588000	1838000	48% MTDC		
		########			
		########			
68609	32932	101541	48% MTDC	222200	1400
		########			
		########			
		$5,040.00			
13378	6622	20000	49.5% MTDC		3345
		########			
		########			
		########			
		$0.00			
170700	22814	193514	17% MTDC		
10000		10000	0%		
13000		13000	0%		
		########			
203882	0	203882	0%	2-13007	203882
		########			
		########			
		########			
46592	17564	64156	48% MTDC		0
115542	55460	171002	48% MTDC		
18729	9270	28000	49.5%		
10435	5165	15600	49.5%		
69440	0	69440	0%		0
20270	9730	30000	48% MTDC		
33250	1750	35000	5%		
120410	59598	179999	49.50%		30100
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235113	18809	253923	8% MTDC	2-12004	177961
106216	43784	150000	48% MTDC		
336468	166552	503020	49.5% MTDC		80000
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		########			
		########			
		########			
		########			
		########			
		########			
8000	2000	10000	25% MTDC		

10800		10800	0%		
21000	0	21000	0%		0
3500		3500	0%		
395101	189649	584750	48% MTDC		
3346	1606	4952	48% MTDC	5-20524	15349
150000		150000	0%		
150000	0	150000	0% MTDC		
14381	7119	21500	49.5% MTDC		
86700	42916	129616	49.5% MTDC		
		########			
		########			
		########			
		########			
		$6,000.00			
		########			
		########			
		$3,500.00			
		########			
		########			
		########			
		########			
		$8,500.00			
194540	93380	287920	48% MTDC		
20270	9730	30000	48% MTDC		
177453	85177	262630	48% MTDC		
39000	9750	48750	25.5% MTDC		
205655	101799	307454	49.5%		
		########			
		########			
		########			
37162	17838	55000	48% MTDC		
165410	79397	244807	48% MTDC		
		########			
		########			
		########			
310196	83963	394159	48% MTDC		
132838	63762	196600	48% MTDC		
180689	86731	867420	48% MTDC		

CSAMOUN	STATUS	STATUS_I	TYPEPRJT	AWARDTY	GRANTCL	HUMANS	HUMPROT	HUM_DAT
	P	5/16/2001	R	G	N			
	P	1/25/2001	R	G	N			
	P		R	S	N			
	P					Y		
	A	7/27/2001	R	G	N	H		
	D	7/6/2000	R	G	N			
	D	5/14/2004	RS	G	N			
	A		R	G	N	H		
	A	########	R	G	N			
	A	4/29/2002	R	S	N			
	P	3/26/2001	R	G	N			
	D	7/24/2001	R	G	N			
	P	7/6/2001	F	G	N			
	D	9/26/2003	R	G	N			
	D	4/28/2000	R	G	N			
	D	9/7/2000	R	G	N			
	P		R	G	N	H		
	P		R	S				
	P	1/29/2001	R	G	N			
	A		R					
	A	9/4/2001	R	G	N			
	D	9/25/2003	R	G	N			
	P		R	G	N			
	D	########	R	G	N			
	D	########	R	G	N			
	D	6/2/2003	R	G	N			
	P		R	S	N			
	D	9/26/2003						

P		R	G		
P					
A	7/25/2001	R	C	N	
D	4/1/2003	R	G	N	
P		T	G	N	
P		R	G	N	Y
D	########				Y
D	9/15/2003	R	G	N	Y
P		R	G	N	Y
P		R	G	N	
P		R	G	N	
P		R	G	N	
P			G	N	
A			A	N	
P		R	S	N	
P		R	G	N	
A	########	R	G	N	
P		R	G	N	
D	6/26/2000	R	G	N	H
P		R	G	N	
D	5/26/2004	R	G	N	
P		R	G	N	

D	9/26/2003	R	G	N
P		R	G	N
A	1/9/2003		G	N
P		T	S	N
A	11/4/2004	T	S	C
P		R	G	N
D	9/20/2004	R	G	N
P		R	G	N
C		C	G	N
P		C	G	N
P		C	G	N
P		R	G	N
D	5/26/2004	PS		
P		R	G	N
P		R	G	N
P		R	G	N
A		R	C	N
D		R	S	N
A	9/26/2001	R	C	N
D		R	C	N
D	########	T	G	N
A	########	R	G	R
D	6/10/2003	R	G	N
D	4/28/2000	R	G	N
P		R	G	N
A		R	G	N
P		R	G	N
P		R	G	N
D	9/20/2004	R	G	N
C		R	S	N
P		R	S	N
P	1/31/2001	R	S	N
D	########	R	G	N

P		S	G	N
P		S	G	N
P	4/26/2001	R	G	N
P		R	G	S
D	5/26/2004	R	G	N
A	9/7/2001	R	G	N
A		R	A	N
D	2/25/2002	SS	G	N
P		R	G	N
P		R	G	N
P		R	G	N
A		F	G	N
A	9/13/2002	R	G	N
P		R	G	N
P		R	S	N
D	7/15/2003	R	G	N
P				
P	1/30/2001	R	G	N
D	7/19/2002	R	G	N
P		R	G	N
P		R	G	N
P		R	G	N
D	9/26/2003	SS	G	N
A	7/18/2001	R	G	N

A	9/18/2001	R	G	N			
P		R	S	N			
D	8/19/2003	R	G	N			
P		R	G	N			
D	9/12/2003	R	G	N	Y		
P		R	G	N			
P		R	G	N			
P		SS	G	N			
P		SS	G	N			
A		R	G	N			
A	9/18/2001	R	G	N			
P		SS	G	C			
P		R	G	N			
D	3/25/2002	R	G	N			
A	########	R	G	N			
P		R	G	N			
A	6/7/2001	SS	G	N			
P		SS	G	R			
A	5/29/2003	T	G	N			
A	4/24/2001	R	G	N	H		
P		R	C	N			
D	4/28/2000		G	N			
P		C	G	N			
P		SS	G	N			
A	4/10/2003	S	G	N	Y	02-34	8/28/2002
P		T	G	N			
P		R	G	N			
P		R	G	N	C		
A	8/28/2001	T	G	N	H		

A	5/1/2003	R	G	N			
A	6/14/2001	SS	G	N			
A	8/29/2001	T	G	N			
D	5/26/2004	R	G	N			
A	1/1/2004	R					
P		R	G	N			
A	6/1/2003	R	G	N	Y	03-04	2/13/2003
P	1/24/2001	T	C	N			
P		T	S	N			
A	1/27/2003	R	C	N			
P		R	G	N	H		
P		R	G	N	H		
P	4/26/2001	R	G	N	H		
P		R	G	N			
P	6/5/2001	R	G	N			
P	6/5/2001	R	G	N			
D	########	R	G	N			
P		R	S				
D	9/30/2002	R	G	N			
A	8/28/2002	R	G	N			
D	5/14/2004						
P		R	G	C			

A	8/6/2001	R	G	R	
P	5/28/2001	R	G	R	
P		R	G	C	
P		R	G	S	
D	5/30/2000	T	G	N	H
A	6/15/2001	T	G	N	
D	########				
D	9/22/2004	R	G	N	
P		R		N	
D	########	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
A	4/11/2003	R	A	N	
D	9/30/2002	T	G	N	
P		R	G	N	
P					
D	5/14/2004	R	G	N	
A	9/1/2003	R	G	N	
P		R	G	N	
P		R	G	N	H
P		R	G	N	
A		R	G	N	
D	7/22/2003	R	G	N	
P		R	G	N	
D		R	G	N	D
P		R	G	N	
D	9/21/2000	R	G	N	
P					
A		R	G	N	
P		R	G	N	
A	2/28/2003	R	C	N	
A	5/14/2004	R	G	N	

A			A	N	
D	10/4/2001	T	G	N	
D	7/18/2004	R	G	N	
D		R	G	N	
A	9/6/2001	F	G	N	
P		R	G	N	
P		S	G	N	
A	1/17/2003	C	G	N	
A	9/6/2002	C	G	N	
A	7/11/2001	R	A	N	
P		R	G	N	
D	9/26/2003	R	G	N	
D	8/20/2002	R	G	N	
A	11/9/2001	R	G	N	
P		R	G	N	
P	1/29/2001	R	G	N	
A	7/17/2002	R	G	N	H
P		R	G	N	
P	4/26/2001	R	G	N	
P		R	G	N	

P		R		N	H
P		R	G	N	
P		R	G	N	
P	5/21/2001	R		N	
D	9/26/2003	R	G	N	
D	4/12/2000	R	G	N	
D	9/30/2002	R	G	N	
A	1/29/2001	R	G	N	
P		R	G	N	
A	10/8/2002	R	G	N	
P		R	C	N	
P	4/26/2001	R	G	N	H
P		R	G	N	H
A	9/9/2002	R	G	N	H
D	5/15/2000	0S	G	N	H
D	9/15/2003	R	G	N	Y
D	5/30/2000	SS	G	N	
D	9/21/2000	T	G	N	
D	9/26/2003	T	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
D	9/7/2000	R	G	N	
A	1/1/2004	R	G	N	
P		R	C	N	
A	8/28/2001	R	C	N	
A	3/20/2003	R	G	N	
P	5/4/2001	R	G	N	H
P	1/31/2001	R	G	N	H
P	6/26/2001	R	G	N	H
A	1/10/2003	R	G	N	H
P		R	G	N	

D	9/26/2003	T	G	N	
A		S	A	N	
A		S	A	N	
P		S	A	N	
A		S	A	N	
A		S	A	N	
A	2/19/2001	S	A	N	
A	########	S	A	N	
A		S	A	N	
A		S	A	N	
D	9/26/2003	R	G	N	
P		FE	G	N	
D	3/23/2004	R	G	N	
A	########	R	C	N	
P		R	S	N	
P		R	G	N	H
P		R	G	N	
P		R	S		
P					
A			A	N	
P		R	S	N	
D	9/26/2003	R	G	N	
A	6/19/2002	R	A	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		SS	G	N	
A	1/1/2004	T	G	N	
P		R	S	N	

A	7/1/2003	R	G	N	
A	7/7/2003	R	G	N	
D	4/14/2004	R	G	N	
A	4/7/2003	R	S	N	
A	9/6/2001	R	C	N	
P		R	A	C	
P		R	G	N	
A	1/23/2003	R	G		
A	7/27/2004	R			
A	1/1/2004	R			
D	8/30/2000	R	G	N	H
P		R	G	N	H
D	7/30/2002	R	G	N	H
A	6/17/2003	R	G	N	Y
D	8/5/2003	R	G	N	
D	7/6/2000	R	G	N	D
A		R	G	S	
A	5/20/2002	R	G		
P		R	G	N	
P		R	G	N	
D	5/14/2004	R	G	N	
P		R	G	N	

D	3/26/2003	R	G	N	
P		R	G	N	H
P		R	G	N	
P		R	G	N	
A	9/10/2002	R	G	N	
A	6/25/2002	R	A	N	
P		R	S	N	
P		R	S	N	
P	2/1/2001	R	S	N	
D	7/19/2002	R	G	N	
P		R	G	N	
A		R	G	N	
P		R	G	N	
P		R	G	N	
A	5/20/2002	R	G		
P		T	C	N	
A	9/27/2002	R	S	N	
P	7/10/2001	R	S	N	
P		SS	C	N	
D	3/21/2002	R	S	N	
A	2/5/2002	R	S	N	
P		R	G	N	
D	4/12/2000	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
D	3/27/2002	R	G	N	

P		R	G	N	
D	5/22/2003	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		S	A		
A	5/6/2003	S	A	N	
A	1/16/2002	R	C	N	
A	8/11/2003	R	G	N	
P		R	S	N	
P		T	S	N	
P		R	S	N	
P		R	C	N	
A	9/1/2003	R	G	N	
P		R	G	N	
P		R	S	N	
P		R	S	N	
P	4/26/2001	T	G	N	
P		C	G	N	
P		R	G	N	
D	6/2/2000	R	G	N	
D	6/2/2000	R	G	N	
P		R	G	N	
A	1/22/2000	R	G	N	
P		R	G	N	
A		R	G	N	
P		SS	G	N	
A	########	R	G	N	
D	2/21/2000	R	G	N	H
W		R	G	N	H
P		R	G	N	H
P		R	G	N	H
P	1/29/2001	R	G	N	H
A	3/27/2001	R	G	N	
P		R	G	N	H
A	1/8/2002	S	G	N	
P		R	S	N	Y
P		R	S	N	T
A	9/22/2004	R		N	

P	5/10/2001	R	G	N	
P		R	G	N	
P		R	G	N	
D	8/5/2002	R	G	N	
P		R	G	N	
D	########	R	G	N	
P		R	G	N	H
P		R	G	N	T
P	1/25/2001	R	G	N	
P		R	G	N	
A	3/4/2002	R	G	R	
A	3/18/2003	R	G	N	
D	4/4/2000	R	G	N	
P		R	G	N	
D	3/29/2002	R	G	N	
P		R	G	N	
D	3/27/2003	R	G	N	
D	3/27/2004				
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
A	5/15/2002	SS	G	N	
D	3/7/2002	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		SS	G	N	
P					

A		C	G	N	
D	4/26/2000	R	G	N	
D	4/3/2002	R	G	N	
A	9/13/2001	S	C	N	
A		R	G	R	
P		R	G	N	
P		R	G	N	
A	5/13/2003	R	G	N	
D	5/28/2003	R	G	M	
A	5/12/2003	R	G	N	
D	4/9/2003	R	G	N	
P		R	G	N	
A	5/20/2002	R	G	N	
P		R	G	N	
P		R	G	N	
P	5/16/2001	R	G	S	
P		R	G	R	
P		R	G	N	
P		R	G	N	
P		R	G	N	
D	3/27/2003	R	G	R	
A	8/27/2001	R	G	N	H
P		R	G	N	
P		R	G	N	
P		R	G	S	
P	1/30/2001	R	G	N	
P		R	G	N	
P		R	G	N	
D	4/22/2003	R	G	N	
P		R	G	N	
P		R	G	N	
A	7/2/2004	R	G	N	
D	1/20/2004	R	G	N	

P		R	G	N
A	7/19/2001	R	G	N
A	8/9/2001	R	G	N
D	3/27/2002	R	G	N
P		R	G	N
D	3/27/2003	R	G	N
P				
D	5/14/2004	R	G	

A	1/21/2003	R	G	N
P		R	G	N
P		R	S	N
P		R	S	N
P	5/17/2001	R	G	N

A		SS	A	N
P		C	G	N
P	3/27/2001	C	G	N
P		C	G	N
P		R	A	R
P		R	A	R
P		R	S	N
P	7/23/2001	S	A	N
A	8/23/2001	S	A	N
A	8/16/2001	S	A	N
A	8/16/2001	S	A	N

A	5/1/2002	S	A	R		
A	5/1/2002	S	A	R		
P		S	A	N		
P		S	G	R		
A	2/18/2002	S	C	R		
P		S	G	R		
P		S	A	N		
P		S	A	N		
P		R	G	N		
A		R	G	N		
P		R	G	N	Y	5/8/2003
P		R	G	N		
A	8/9/2002	R	S	N		
P						
P		R	C	S		
P	2/1/2001	R	C	S		
P		R	C	C		
P		R	G	N		
P		R		C		
P		R				
P		R	G	N		
A		SS	A	N		
D	4/12/2000	R	G	N		
A		SS	A	N		
A		SS	A	N		
A		SS	A	N		
P	2/16/2001	R	G			
P	4/26/2001	R	S	C		
A	8/24/2001	SS	A	N		
A	8/24/2001	SS	A	N		
A	9/12/2001	SS	A	N		
A	3/18/2002	SS	A	N		
P		R	G	N		
A	4/17/2003	R	G	N		
D	5/14/2004	R	G	N		
P		R	G	N		

P		R	G	N	
A	########	R	G	N	
P		R	G	N	
A	5/1/2000	R	G	N	
P		R	G	N	
P		R	S	N	
P	6/7/2001	R	S	N	
P		R	S		
D	9/30/2002	R	S	N	H
A	10/8/2001	R	G	N	H
A		R	C	N	
A	9/4/2001	R	C	N	
P		R	G	N	
P		R	C	N	
P	1/30/2001	R	G	N	H
A		R	G	N	H
D	3/27/2002	R	G	N	
A	2/21/2005	R	S	N	
P		R	G	N	
P		R	S	N	
A		R	C	N	

C		R	G	N		
A	########	R	G	N	H	
D	9/26/2003	C	G	N		
D	9/20/2004	C	G	N		
D	9/20/2004	R	G	N	Y	
D	8/30/2000	R	G	N	D	
A		R	G	S		
D	8/29/2000	R	G	N		
A	########	R	G	N		
A	9/11/2002	R	G	R		
D	4/5/2002	R	G	S		
P		R	G	N		
P		R	G	S		
P		R	G	N		
A	1/9/2003	R	S	N	H	
D	4/22/2002	R	G	N	H	
P		T	G	N		
A		R	G	N	H	
P		R	G	N	Y	01-24
P		R	G	N		
P		R	G	N		
D	3/27/2002	R	G	N		
D	3/27/2003	R	G	N		
A		R	G	S		
P	3/26/2001	R	G	S		
D	6/14/2000	R	G	N		
D	9/30/2002	R	G	N		
A	5/22/2001	R	G	R		
P		R				
P		R	G	N		
P		R	G	N		
P		R	G	N		
P		R	G	N		

A	4/28/2001	R	S	N
P		R	G	N
P		R	S	N
A	4/28/2001	R	S	N
P		R	S	N
P		R	G	N
P		R	G	N
P		R	G	N
P		R	G	N
P		R	G	N
D	5/14/2004	R	G	N

P		R	G	N
D	3/27/2002	R	G	N
D	3/27/2003	R	G	N
P		R	G	N
P		SS	G	N

P		R	G	N

A	3/15/2002	R	C	N
A	9/30/2004	R		

A	9/14/2001	SS	G	N
D	10/3/2003	R	G	N
P		R	G	N

P		R	G	N	
P		R	G	N	T
A		R	C	N	
P		R	G	N	
P		R	G	N	
A	########	R	C	N	
P		R	C	N	
P		R	G	N	
P		R	S	N	
D	8/1/2002	R	G	N	
A		R	S	N	
A	4/27/2001	R	G	N	
A	8/8/2001	R	C	N	
P		R	C	N	
A	########	R	C	N	
P		R	C	N	
P		R	G	N	
A	3/25/2003	R	G	N	
P					
P					
A	10/2/2003	R	G	N	
P		R	C	N	
P		R	G	N	

P		R	G	N	
P		R	G	S	
P		R	G	N	
A	########	R	G	N	
A		R	G	N	
A		R	S	N	
P		R	G	N	
P		R	S	N	
P		R	H	C	H
P	4/19/2001	R	G	C	H
D	9/27/2002	R	G	R	H
A	7/31/2003	R	G	R	Y
D	9/30/2002	R	G	N	
P		R	G	N	
A	8/14/2002	R	G	N	
D	9/30/2002	R	G	N	
D	4/12/2000	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P	2/16/2001	R	G	N	
D	3/27/2002	R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
P		R	G	N	
D	3/27/2003	R	G	N	
P		R	G	N	
P		R	G	N	
D	9/20/2004	R	G	N	
A	2/18/2004	R	G	N	
D	5/18/2000	R	G	N	
A		R	G	N	
P		R	G	N	
A	2/24/2003	R	G	N	
D	8/30/2000	R	G	N	H
P	6/29/2001	R	G	N	H
P		R	G	N	H
P		R	C	N	H

P		R	S	N	
P		R	S	N	
P		R	S	N	
P		R	S	N	
P		R	G	N	
P		R	G	N	
A		SS	C	N	H
P		R	G	N	
P		R	G	S	
P		R	G	N	
D	5/15/2000	R	G	N	
D	6/7/2002	R	G	N	
P		R	G	N	
D	4/25/2003	R	G	N	
D	8/19/2003	R	G	N	
P		R	G	N	
D	5/14/2004	R	G	N	
D	5/14/2004	R	G	N	
P		R	C	N	
D	8/30/2000	R	G	N	
P		R	G	N	
P		R	G	C	
A	1/17/2002	R	G	N	
P		R	G	N	
P		R	G	N	
D	5/14/2004	R	G	N	
P					
P		R	S	N	

P		R	G	N
A	6/11/2003	T	A	N

P		T	G	N
P	3/27/2001	R	G	N
P		R	S	N
P		R	S	N
P		R	S	N
A	8/6/2003	R	S	N
D	5/14/2004	R	S	N

A	12/8/2003	R	G	N

P		R	G	C
P		R	G	N
A	6/14/2001	R	G	C
D	3/27/2003	R	G	N
D	9/26/2003	F	G	N
D	5/14/2004	R	G	N

A	9/23/2002	R	G	N
P		SS	G	N
A	4/25/2002	R	C	N
D	9/30/2002	R	S	N
D	########	R	G	N
P		R	G	N
A	8/29/2001	R	G	N
P		R	G	N
D	9/26/2002	R	G	N

P		R	S	N	
P		R	G	C	H
D	2/21/2002		C	N	H
P			S		
D	8/5/2003				

P	5/25/2001	R	G	N	
P		R	G	N	
P		R	G	R	
P		R	G	N	
D	4/22/2003	R	G	N	
P		R	G	N	
D	6/5/2003	R	G	R	
P		R	G	N	
P		R	G	R	
P		R	G	N	
P		R	G	N	
P		R	G	N	
A	5/6/2004	R	G	N	Y
D	5/14/2004	R	G		

D	########	R	G	N	
P		R	G	N	H
A		R	G	N	
P		R	S	N	H
A	4/11/2001	R	G	N	H
A	########	T	C	N	

A	6/13/2001	R	G	N
A	########	R	G	N
P		R	G	N
P		SS	G	N
A		R	G	S
P	4/26/2001	R	G	S
A	########	R	C	N
P		R	G	N
D	5/14/2004	R	G	N
P		R	G	N
P		R	G	N
A		SS	A	N
P		R	G	N
D	9/26/2003	R	G	N
D	4/12/2000	R	G	N
P		R	G	N
D	9/26/2003	R	G	N
P				
A	2/17/2003	R	C	N
P		R	S	N
A	########	R	G	N
P		R	G	N
D	1/12/2005	R	G	C
P		S	S	N
P			G	N
A	6/5/2003	T	G	N
A		R	G	N
A	3/7/2001	R	G	N
A		R	G	N
A		R	G	N
P	4/6/2001	T	G	N
D	7/10/2000	F	G	N
P		R	G	N
A	5/20/2002	R	G	R

A	1/1/2004	R	G	N			
P		T	G	N			
P		R	G	N			
P		R	G	N			
D	3/25/2003	R	G	N			
P		R	G	N			
P		R	G	N			
P	6/12/2001	R	G	N	H		
A	1/7/2002	R	G	N			
P		R	G	N			
P		R	G	N			
D	2/13/2002	R	G	N			
A	2/25/2002	R	G	N			
P	4/26/2001	R	S	N			
P		R	G	N			
D	4/14/2004	R	G	N			
D	8/9/2000	R	G	N	H		
D	9/30/2002	R	G	N	H		
A		R	G	N	H		
A		R	C	N			
P		R	C	N			
A	1/22/2001	R	S	C	H		
A	12/5/2002	R	S	N	Y	99-04	10/7/2002
P		R	S	N	Y		
P		R	G	S	Y		

D	3/27/2003	R	G	N	
A	5/20/2002	R	G	R	
P		R	G	N	
P		R	G	N	
A	5/27/2003	R	G	N	
A		SS	A	N	
A		R	A	N	
A	########	SS	A	N	
A	########	SS	A	N	
P		SS	A	N	
A	4/27/2001	R	G	N	D
P		R	G	N	
A	3/5/2003	T	G	N	
P	5/30/2001	R	G	N	
A		T	C	N	
A	4/26/2001	R	G	N	
P		R	G	N	
A	4/17/2003	R	C	N	
P	2/1/2001	R	G	N	
D	########	R	G	N	
D	9/12/2003	R	G	N	
P		R	S	N	
P		R	G	N	
D	7/15/2003	R	G	N	
P		R	G	N	
D	8/28/2001	R	G	N	
D	3/31/2003	R	G	N	
D	1/12/2005	R	G	N	
P		R	G	R	
D	9/18/2000	R	G	N	
P		R	G	N	

A	8/1/2003	R	G	R	
P		SS	G	S	
P		R	G	R	
P		S	G	N	
P					
A		R	G	N	A
A		F	G	N	
A	5/17/2001	R	G	N	H
P		S	G	R	
P		F	G	N	Y
P		SS	A	N	
P		SS	A	N	
D	9/30/2002	R	G	N	
P		R	G	N	
P	7/24/2001	R	G	N	
D	1/9/2002	R	G	N	
D	4/23/2003	R	G	N	
P		R	S	N	
D	5/26/2004	R	G	N	
P		R	G	N	
P		R	G	N	
A	########	R	G	N	
P		R	G	N	
P		R	G	N	
D	11/5/2002	S	G	N	
P		R	G	N	
A	6/21/2001	R	G	N	
D	6/25/2001	R	G	N	
P		R	G	N	

A	########	R	G	N			
A	9/19/2003	R	G	N			
P		R	G	N	Y	00-46	7/12/2002
P		R	G	C			
P		R	G	N			
P	6/27/2001						
A	########	R	G	N			
P		R	G	C			
P		R	G	C			
A	5/20/2002	R	G	N			
P		R	G	S			
D	5/14/2004	R	G	N			
A	5/20/2002	R	G	N			
P		R	G	N			
P		R	G	N			
P		R	G	N			
D	7/21/2004	R	G	N			
D	6/19/2000		G	N			
D	5/30/2000	R	G	N			
P		R	G	N			
P		R	G	N			
P		R	G	N			
P	1/11/2001	R	G	N			
D							
D		R	G	N			
P		R	G	N			
P		R	G	N			
P		R	G	N			
A		R	G	N			
P		SS	A	N			
A	8/11/2003	R	G	N			
A	5/14/2003	R	G	N			
A	6/7/2004	R	G	R			

A	1/26/2004	R	S	N	
A	9/24/2001	SS	G	N	
P		R	S	N	
P	7/11/2001	C	G	N	
P		R	G	N	
D	7/11/2000	R	G	N	
D	4/18/2002	R	G	N	
A	5/5/2003	R	G	N	
P		R	G	N	H
A		R	C	N	H
P		R	S	N	H
A		R	S	N	H
A	5/31/2002	R	S	N	H
P	2/28/2001	0	G	N	H
P		R	S	N	Y
P		T	S	N	Y
A	1/14/2004	R	S	N	
C		R	S	N	
P		R	S	N	
A		SS	A	N	
A		R	A	N	
P		R	G	N	
P	7/24/2001	R	G	N	
A		T	A	N	
P	5/16/2001	R	G	N	
D	9/24/2002	R	S	N	
P	4/27/2001	R	G	N	
D	9/26/2003	R	S	N	
D	6/4/2001	R	G	N	
P	7/24/2001	R	G	N	
P		R	G	N	
P		R	G	N	
D	2/3/2004	R	G	N	
P		R	G	C	H
P		R	G	N	H
P	6/21/2001	R	G	N	H

A	########	R	G	N	H
P		R	S	N	
P		R	G	N	
D	4/12/2000	S	C	N	
A		S	A	N	
A		S	A	N	
A	9/19/2001	SS	G	N	H
P		R	G	N	
P		R	G	N	
P		R			
P		R	A	N	
A		R	A	C	
A	4/3/2003	R	S	N	
P		R	A	N	
P		R	S	N	
D	4/20/2000	T	G	N	
A	4/10/2003	R	G	N	
P		R	G	N	
P		SS	G	S	

D	5/10/2000	SS	G	S
P		C	G	N
P	4/27/2001	SS	G	N
P		R	G	N
A		R	G	N
D	3/27/2002	R	G	N
D	3/27/2003	R	G	N
P		R	S	N
D	5/26/2004	R	G	N

P	1/29/2001	R	G	N
P	1/30/2001	R	G	N
A	9/5/2002	R	G	N
P		SS	G	S
D	5/26/2004	R	G	N

A	3/28/2001	R	G	N
P		R	G	N

A	7/16/2001	R	G	N
P		R	S	N
A	6/30/2003	R	G	N

BIOHAZAI	ANIMALS	ANIMPRO	ANIM_DA	SPECIES	UNDERGR	GRAD	TITLEID	FULL_TITI
						G	NEOTECT	NEOTECT
						G	TECTONIC	TECTONIC
						G	NEOTECT	NEOTECT
								A New View
						G	POPULATI	POPULATI
							PERSON I	PERSON I
								Comparing
								Cyber-Map
								Cyber-Map
					U	G	DESCRIPT	DESCRIPT
								Integration
								Collaborati
								Incrementa
								A Systemat
								Spititual Ra
								Does Relig
								Nanotube T
							CLOSE-RA	CLOSE-RA
								CMG Rese
								Design Prir
							NEURAL R	NEURAL R
								Physiologic
							NANOSTR	NANOSTR
						G	PREPARA	PREPARA
								Novel Inorg
								Novel Block
								Novel Proto
					U	G	INTEGRAT	INTEGRAT
					U	G	INTEGRAT	INTEGRAT
							RESEARC	RESEARC
								EM Measur
								A Software
						G	EXTENDIN	EXTENDIG
						G	ITR: DESIC	ITR: DESIC
						G	RAMP: RE	RAMP: RE
						G	ADAPTIVE	ADAPTIVE
						G	INTEGRAT	INTEGRAT
						G	ITR/SY: MC	ITR/SY: MC
							PROPOSA	PROPOSA
						G	A DISTRIB	A DISTRIB
						G	ARCHITEC	ARCHITEC
								Compomer
								Collaborati
								End to End
							NER: MAC	NER: MAC
						G	SELF ASS	SELF ASS
							PEPTIDES	PEPTIDES
						G	FRG: CON	FRG: CON
						G	ESTABLIS	ESTABLIS
					U	G	SENSORS	SENSORS

			Genomic V
		INTEGRAT	INTEGRAT
			The Late C
			Epidemiolo
		ALGORITH	ALGORITH
			New Platfo
		3-D SEDIM	3-D SEDIM
	G	NER: THE	NER: THE
			The Physic
			Exploring th
	G	THE NORT	THE NORT
		ATTACHM	ATTACHM
	G	ASSESSIN	ASSESSIN
	G	A GEOSPA	A GEOSPA
			Enhancing
			Waste to E
			Geoinforma
	G	A WB-BAS	A WEB-BA
			The Proteo
	G	WAVELET	WAVELET
			Inventory C
			Inventory C
			Forecasting
			Statistical U
	G	COMPARA	COMPARA
	G	MOLECUL	MOLECUL
		SOFTWAR	SOFTWAR
		REVIEW A	REVEIEW
		ENGINEEF	ENGINEEF
	G	REACTIVI	REACTIVI
			Neoproterz
	G	ELECTRIC	ELECTRIC
			Discourse i
			Graduate E
			Anticipatior
			Quantifying
			The Anticip
			Anticipating
			Quantifying
U	G	SYNCHRO	SYNCHRO
	G	EFFECTIV	EFFECTIV
			Model-Drive
		OUTCOME	OUTCOME
			REU Site: U
			Vocational
			Vocational
		LIVING WI	LIVING WI
			NASA Rose
			Second An
		TOPICS IN	TOPICS IN
	G	SMART: A	SMART: A

	G	THE SMAF	THE SMAF
			KAROO: A
	G	TIME AND	TIME AND
			AOC: Inter
	G	LIFE, EAR	LIFE, EAR
		UNIVERSI	UNIVERSI
	G	UTD REGI	UTD REGI
			Middle Sch
			The Univer
			From Theo
U	G	ENERGY T	ENERGY T
		ENERGY T	ENERGY T
			Peptide-co
		ATACK CC	ATTACK C
		COMPUTA	COMPUTA
		MATHEMA	MATHEMA
		FRONTIEF	FRONTIEF
			Collaborati
			Cognitive L
	G	A COMPOI	A COMPOI
		BIOCOMP	BIOCOMP
			Carbon Na
			Carbon Na
		NF-KB-ME	NF-KB-ME
		NF-KB-ME	NF-KB-ME
U		UTD-TI PA	UTD-TI PA
			Molecular S
			Carbon Na
			An Optical
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		THE EQUA	THE EQUA
			NASA GSF
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			Seneludens
			Rapidly Cu
U	G	PROJECT	PROJECT
			Minority Re
		READING	READING
	G	ITR: EFFIC	ITR: EFFIC
	G	NEW ARCI	NEW ARCI
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	G	DIFFEREN	DIFFEREN
	G	TE-LAB: A	TE-LAB: A
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	G	ONLINE SI	ONLINE SI
	G	ONLINE SI	ONLINE SI
	G	HORIZON	HORIZON
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			NeTS-ProV
		READING	READING
		READING	READING
	G	USING TE	USING TE
			Air Quality
		NANOSTR	NANOSTR
		NER-ELEC	NER-ELEC
			Novel Hybr
			NIRT: Hiera
			New Nanos
			Dreyfus Ne
			Three-Dime
	G	HIGH-FRE	HIGH-FRE
			Bandwidth
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		DIGITAL C	DIGITAL C
	G	DEVELOP	DEVELOP
			SST: A Nov
		NANO ELE	NANO ELE
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			Multi-Plana
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			Proteomics
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			Protein Tox
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		TRAINING	TRAINING
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			CHAMPS:

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				Jonnson S
			M-I COUPI	M-I COUPI
				Collaborati
			STEP-AIRS	STEP-AIRS
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				Intelligent I
		G	ITR: GENE	ITR: GENE
				Lattner Hea
				Merk Postd
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		G	USING TE	USING TE
				Preserving
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			AN INVES	AN INVES
				NASA GSR
		G	OBSERVA	OBSERVA
			OBSERVA	OBSERVA
			DEVELOP	DEVELOP
			M-I COUPI	M-I COUPI
		G	LOW-LATI	LOW-LATI
			SPACE WE	SPACE WE
			SOLAR CY	SOLAR CY
			CEDAR: S	CEDAR: S
				ROSES LW
		G	LOW-LATI	LOW-LATI
		G	LOW-LATI	LOW-LATI
		G	LOW-LATI	LOW-LATI
			DEVELOP	DEVELOP
				Conscious
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			THE ROLE	THE ROLE
		G	DEVELOP	DEVELOP
				Photonic In
		G	ITR: DEVE	ITR: DEVE
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			FRONTIER	FRONTIER
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				The Colleg
			THE IMPA	THE IMPA
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			CEL3 - CE	CEL3 - CE
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			Ontology-D
			Data and A
			Disseminat
			CT-T: Infra
			Massive Se
	G	NEURAL F	NEURAL F
			SPECTRO
		NIRT: CON	NIRT: CON
			Materials a
			TBD
			Stand-alon
			Acquistion
			SRC Ultima
		MOBILITY	MOBILITY
		A WEB-BA	A WEB-BA
	G	RELATION	RELATION
			Relationshi
			Collin Cour
		UT TELEC	UT TELEC
		MATHEMA	MATHEMA
	G	GENERAT	GENERAT
			Robust Mo
			Neuro-micr
		SANCTION	SANCTION
		ANALYZIN	ANALYZIN
		JUVENILE	JUVENILE
U	G	TANGLE A	TANGLE A
	G	NEOPROT	NEOPROT
	G	NEOPROT	NEOPROT
	G	NEOPROT	NEOPROT
U		A STUDY (	A STUDY (
		COLLABO	COLLABO
			Quantum D
			Low-Jitter F
	G	GENERIC	GENERIC
		DIGITALLY	DIGITALLY
			UT.DRIVE-
			Noise redu
			Improving S
			Cerebral C
			Cerebral C
			Cortical Cir
	G	ELEMENT	ELEMENT

	G	ELEMENT	ELEMENT
	G	ELEMENT	ELEMENT
	G	ELEMENT	ELEMENT
U	G	ELEMENT	ELEMENT
	G	PROJECT	PROJECT
	G	PROJECTS	PROJECTS
		CENTER F	CENTER F
			NER: Emer
		DARPA UN	DARPA UN
		SECURE C	SECURE C
			An Event R
	G	COLLABOI	COLLABOI
U	G	MAGIC: M	MAGIC: M
			Acquistion
			Neoprotero
		BRINGING	BRINGING
		BRIGING S	BRINGING
			3D Facies
			EAR - Sedi
		ULTRASOI	ULTRASOI
	G	A POST-G	A POST-G
	G	SEQUENC	SEQUENC
	G	PRIVACY I	PRIVACY I
		ISOTOPIC	ISOTOPIC
		THE SEAR	THE SEAR
			Hybrid Com
		DESIGN A	DESIGN A
	G	CENTRAL	CENTRAL
	G	CENTRAL	CENTRAL
		REMOVAL	REMOVAL
			Novel Proto
			Taking The
			Taking The
	G	ADVANCE	ADVANCE
	G	MODELIN	MODELIN
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U	G	COLLABOI	COLLABOI
	G	EFFICIENT	EFFICIENT
			Keeping the
		TEST SCO	TEST SCO
			Transferabi
	G	A STUDY	A STUDY
	G	PLASMA C	PLASMA C
	G	PREPROP	PREPROP
		NEGATIVE	NEGATIVE
			Fundament
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			Modulation
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		G	DEVELOP	DEVELOP
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		PERFORM	PERFORM
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	G	ALGORITH	ALGORITH
			CSR-EHS:
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	G	SOUTHWE	SOUTHWE
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			Regional G
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		LEARNING	LEARNING
		AGENT-BA	AGENT-BA
	G	DESIGN O	DESIGN O
		RELIABLE	REALIABLI
	G	MULTI-LA	MULTI-LA
	G	CAREER:	CAREER:
	G	NEAR-OPT	NEAR-OPT
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U	G	ANGER AN	ANGER AN
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		IMPACT O	IMPACT O
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			Research a
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		JUVENILE	JUVENILE
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	G	THE DEVE	THE DEVE
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	Y	MULTICAS	MULTICAS
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		Dallas Area
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In this project, we address neotectonics and seismic hazards on the northern part of the Nubian S								
This project addresses the tectonic, geochronologic, and petrologic evolution of one of the best N								
We will study the Nubian Swell, an E-W trending uplift extending about 1000 km along the Egypt-								
N							FALSE	
Extensive data analyses performed on the Dallas ISD data base pursuant to Specific Aim 1 of the								
The work for Phase I is divided into two parts. In first part, we ì will develop a targeted data base of per								
Face Recognition Algorithms with Humans							FALSE	
ıping for Teaching Undergraduate Geosciences Courses							FALSE	
ıping for Teaching Undergraduate Geoscience Courses							FALSE	
This research will determine the size, shape, spacing, and timing ì of small-scale, subtle structures tha								
of High Accuracy & Resolution Terrain & Photographic Mapping for Antarctica							FALSE	
ve Research: The Game of Twenty Questions with an Operator--Signal Design f							FALSE	
ıl Spreading and Redundancy Protocols for Wireless Communications Systems							FALSE	
tic Framework for Integrating Multiple Antenna Systems and MAC Protocols							FALSE	
ıtionality, Education and Economic Progress: Lessons from Africa							FALSE	
ion Affect Behavior? Influence of Religious Authority on Schooling Decisions in A							FALSE	
Transport Characterization Project							TRUE	02/20/2006
THIS IS A MULTIDISCIPLINARY PROJECT BETWEEN GEO- SCT								
arch: Extracting Hyudrogeologic Constraints and Enviromental Risk Estimates							FALSE	
ıciples for Engineering Artificial P450/P450 Reductase Fusions							FALSE	
The long-term goal of this unique project is to evaluate the ì relationship between Neural Response Te								
cal Characterization of the Newly Discovered Auditory Nucleus Tectal Commissu							TRUE	04/10/2006
In this project, we will develop novel high temperature polymer electrolyte membranes. These ne								
In this project, as part of our effort on fresh concepts in Fuel Cell (FC) technology, we propose to								
ganic/Organic Hybrid Block Copolymers for High Temperature Proton Exchange M							FALSE	
k Copolymers for Proton Exchange Membranes							FALSE	
on Conducting Membranes for High Temperature PEMFC and DMFC Application							FALSE	
This project transfers results and experiences in system level design into undergraduate engineering								
This project transfers results and experiences in system level design into undergraduate engineering								
This CISE instrumentation project will support collaborative research and will greatly enhance the								
rements of Ill Defined Electromechanical Targets							FALSE	
-Defined Emergency Radio							FALSE	
A three-year project consisting of four major tasks is proposed: Task 1 - In this task, the integrity								
An ad-hoc network is a multi-hop wireless network of mobile nodes ì without any fixed support facilities								
This project aims to design, simulate, fabricate and test a novel ì architecture for multi-media processir								
Little information is ava D								
We will develop networking algorithms, protocols and ì architectures, and carry out design and perform								
This is a project to develop models and evaluation schemes for a Telecommunications Quality Index								
There is intense global competition for leadership in bringing ì next generation telecommunications pro								
To enhance the productivity of developing complex distributed application programs, software tec								
In this research, we propose to investigate the system architectur G								
nt Based QAS							TRUE	08/01/2005
ve Research: A Global Infrastructure for Testing, Evaluation, and Experimentatio							FALSE	
l Dependability Assurance for Command and Control Systems							TRUE	05/10/2005
The first objective of this project is to rationally design amphiphilic helices that are pre -dicted to v								
The specific aims of this project are to: (1) explore conditions that affect the structure of the pepti								
THE INTERFACE BETWEEN SYNTHETIC AND BIOLOGICAL M T								
In a new approach to address problems of carbon nanotube solubility and organization, this prop								
The University of Texas-Austin, in a joint effort with the University of Texas at Dallas and the Univ								
The goal of this project is to develop an integ- rated sensor network based monitoring of chemical								

'ariations Associated with Persistent Fetal Globin Synthesis After Birth FALSE
THIS REASEARCH IS DESIGNED TO TEST THE HYPC T T
:retaceous Balcones Igneous Province: A diffuse alkaline igneous province alonc FALSE
ıgic Search for Phenotypes of Math Failure FALSE
Algorithms and system development for weighted region problems arising in emergency response
rm Development for a Self-Learning and Context-Aware Body Area Sensor Netw FALSE
The project will integrate outcrop, core, shallow subsurface Ground Penetrating Radar (GPR), Global
Graphyne is a predicted new form of carbon, which would posses G
:al Universe in the Classroom FALSE
he Universe with NASA: A Science Content Course for Pre-Service Teachers - H FALSE
The primary objective of the proposed regional alliance is to increase the number of persons with
We propose to use Systematic Social Disorganiz- ation Theory (Hunter, 1985; Sampson, 2001) and
We propose the tandem use of sociospatial analytic techniques and survey analysis to explore inter-
A Geospatial Investigation of Crime Rates, Beat Boundaries, and the Journey to Crime
Community-Relevant Research TRUE 01/05/2006
nergy: Strategic Geographic Planning Tool Develoment - Phase II TRUE 09/29/2005
atics and Geoscientific Research and Education Focused on the Afar Depression FALSE
This project addresses the issue of improving student learning and achievement by assembling an ì
ımics of Sickle Cell Disease. FALSE
The objective of this project is to study the wavelet transform of lıı G
Control With Partical Carbon FALSE
Control With Partial Observations and Inspections FALSE
g Demand and Optimal Ordering TRUE 01/20/2006
Jpdating Methods in Risk and Decision Analysis: Applications to Supply Chains FALSE
A comparative proteomic analysis is proposed for two lepidopterans (Indianmeal moth and Europear
To understand possible mechanism(s) involved in development of Bt-resistant state in insects, we
SOFTWARE QUALITY IS A CRITICAL ASPECT TO ENSURE A T
THE PURPOSE OF THIS PROPOSAL IS TO BUILD UP(T T
The University of Texas at Arlington (UTA) in collaboration with ì The University of Texas at Dallas (UT
Our long-term goal is to understand the fundamental factors that distinguish the coordination che
:oic-Early Paleozoic Gravitational Tectonic Collaspe in the Arabian-Nubian Shield FALSE
We will study and find optimal growth parameters for ì noncrystalline silicon as a material for room tem
in Preclinical and Clinical Alzheimers Disease FALSE
Education Across Texas (GREAT) via Telecommunication FALSE
ı Dynamics FALSE
ı Anticipatory Characteristics FALSE
ıatory Profile FALSE
g Extreme Events: Learning from Katrina FALSE
ı Anticipatory Characteristcs: The Anticipatory Profile FALSE
In this project, we study the synchronization problem f UG G
This research is focused on defining and validat- ing a novel, yet practical software engineering a
en Requirements Engineering for Component Based Applications FALSE
Early hearing detection and intervention (EHDI) is comprised of ì universal newborn hearing screening
Undergraduate Research Training and Experience in Software Engineering and I FALSE
Intervention with Communication Technology to Optimize Rehabilitation and Inte FALSE
Intervention with Communication Technology to Optimize Rehabilitation and Inte FALSE
UNDER PRIOR FUNDING, THE CENTER FOR SPACE SCIENC- ES AT THE UNIVERSITY OF TE
es LWS TR&T: Developing Polar Ionospheric Convections Models Based on DM FALSE
nual US-Mexico Workshop: Nanoscience for Advanced Applications-on Crossroa FALSE
THE PROPOSED PROJECT WILL STUDY SOME MATHEMATICAL T
The overall goal of the SMART Framework is to provide an environment for the design of adaptive

The environments where software products are executing today have considerably increased in c
n Architectural Framework for the Design and Analysis of Autonomous Adaptive FALSE
The interaction of the Earth's environment with interplanetary space results in complex motions of
actions Between Air Pollution and Human Capital FALSE
The primary goal of the UTD project is to develop a cadre of teacher-leaders who have extensive
The purpose of this project is to upgrade the skills of 25 Dallas-area science teachers. Each will
The UTD Collaborative will expose a group of 25 elementary teachers to physics (via FOSS and GE
ool Science, Grade 8 FALSE
sity of Texas Collaborative for Excellence in Science Teaching TRUE 09/01/2005
ry to Practice: Teachers Building Understanding of the Physical World FALSE
The program goals are to develop the science and tec UG G
THE PROJECT GOAL IS TO DEVELOP THE SCIENCE T T
ated FALSE
THE STATE VARIABLE MODEL OF THE SOFTWARE TEST PR T
The goals of this conference are to bring together a diverse ì group of mathematicians and biologists w
The goals of this conference are to bring together a diverse ì group of mathematicians and biologists w
The goals of this conference are to bring together a diverse group of mathematicians and biologists
ve Research: Information Security Curriculum Development and Dissemination FALSE
.ink Layer and Situation Awareness FALSE
This research focuses on a concrete, but critical, application domain, namely embedded software.
A MAJOR CHALLENGE FOR COMTEMPORARY NANO T T
notube-enabled Optical Sensing Systems: Preparation of Carbon Nanotube-Enal FALSE
notubes and the Selective Delivery of Therapeutics to Living Cells FALSE
The following specific aims have been designed to understand molecular mechanisms of the regulat
The following specific aims have been designed to understand molecular mechanisms of the regulat
Three different processor architectures dominate the data processing and communications industrie
Sieve Based Bio-fuel Cells: Tailoring Nano-scale Interactions in Confined Space FALSE
notube Based Microelectrode FALSE
Network Infrastructure for Future Internet FALSE
This proposal is for the design and development of a sensor that ì could be used by the Air Force to m
This is a stage I proposal to NASA under the Small Explorer ì Program (SMEX). At this stage, the focu
The Couple Ion-Neutral Dynamics Investigation is a Mission of Opportunity that capitalizes on a c
The Equatorial F-Region Explorer is a Small Explorer mission that ì will answer some fundamental que
RP: Optimization of a Ram Wind Sensor for Planetary Thermospheric Studies TRUE 07/11/2005
s Robot - Assisting the Elderly in Maintaining Anticipatory Characteristcs FALSE
s Robot - assisting the Elderly in Maintaining Anticipatory Characteristics FALSE
stomizable Social Robots FALSE
The University of Texas at Dallas (UTD) in RM UG G
ecruitment, Retention and Opportunity for Researchers (MIRROR) of the Future F FALSE
The Reading One-to-One AmeriCorps program is an intensive ì one-to-one tutoring program committe
What is novel and unique in this proposed research is that we proposed a new computationally e
We will develop a substantially new modeling methodology and, ì based on this, a software testbed to
We will develop a new network modeling methodology using the ì theory of random graphs to capture t
In this project the PIs will address the problem of designing ì cost effective multi-layer network architec
Our project called Telecommunication Engineering Laboratory ì (TE-Lab) will be based on a specially c
The goal of this project is to build an infrastructure at UTD for conducting research on network-ce
ACQUISITION FOR EXPERIMENTAL FACILITY FOR RESEAR CH IN SYNERGETIC NETWORKS
There is a need for innovative network management techniques to ì take advantage of emerging softw
UT-Dallas shall develop a wireless AI protocol, meeting the ì specifications defined by the SAIC team.
This project is a hybrid integration model that permits different Quality of Service (QoS) mechanis
This research program is unique: rather than compare any given routing protocol P to a competir

ViN: MACroscoPHY: Integrating Mulitple-Antenna Systems and MAC Protocols	FALSE	
This project is a comprehensive plan which will involve training ì teachers to identify and work with sma		
The Reading One-to-One AmeriCorps program is an intensive ì one-to-one tutoring program committe		
This project is for a 15-month study that would use UTD Texas Schools Project and juvenile and r		
Component Management	FALSE	
As part of a collaborative effort with Los Alamos National Labs to provide fresh concepts in Fuel		
A NOVEL PROCESS FOR NANOSCALE INORGANIC/O T T		
id White Light Emitting Diodes	FALSE	
archical Nanomanufacturing of Carbon Nanotube Sheets & Yarns	TRUE	08/17/2006
structrued Materials for Energy Applications	FALSE	
ew Faculty Award	FALSE	
ensional Hybrid Solar Cells with Transparent Carbon Nanotube Charge Collector	FALSE	
In this project, we design a 1 GHz receiver equalizer in CMOS technology for system-on-chip (SO		
and Power Efficient Data Communication	FALSE	
ol of Engineering and CS--TETC Undergraduate Expansion Program	TRUE	09/08/2005
The University of Texas at Arlington (UTA) in collaboration with ì The University of Texas at Dallas (UT		
In this project we will provide a hands-on interactive learning environment for the Telecampus EE		
vel Highly Flexible Chemical Sensor	FALSE	
This project is centered on the development of electro mechanical resonators which have critical		
VCSEL Design and Development Tools for Telecomm U		
ND DATA TRANSPARENT OPTICAL NODE AND NETWORK ARCHITECTURE		
ential Opportunistic Decoding and Related Cross-Layer Design of Spread Spect	FALSE	
onal Microscopy	FALSE	
Organic-Inorganic Nanostructures for Optoelectronic Applications	FALSE	
-Intergration of Tunable CNT Transparent Films into Flexible Solar Cell	FALSE	
Effects of Microwave and Energetic Ion Irradiation in Carbon and Boron Nitride N	FALSE	
vards Plasmonic Emitters	FALSE	
ar Emissive Flat Panel Display	FALSE	
Barrier Studies for FeRAM Devices	TRUE	05/27/2005
Nanoelectric Materials and Device Research	FALSE	
This project is for the acquisition and development of a plasma ì science research training laboratory a		
The objective of this project is to learn how to best produce connecting, protective and lubricating		
The goals of this project encompass both basic science and practical engineering: 1] to obtain fu		
This program combines Western Life Science's expertise on medical devices and medically useful		
There are two primary objectives of the program. The UG G		
h Chemistry on Reducing Resist Deformation/Breakage at the 45/32nm Node	FALSE	
sma Synthesis of New Nanostructured Inorganic/Organic Composite Materials	TRUE	06/01/2005
ction Plasma Deposition of Nano-dielectrics	FALSE	
n of Acyl Homoserine Lactone Quorum Signals by Cytochromes P450	FALSE	
The University of Texas at Dallas requests funding to conduct a Biotechnology for Teachers Project		
s of the Oxidative	FALSE	
e Proteomics of Mitochondria in Alzheimer's Disease	FALSE	
kins and Retrograde Membrane Transport	FALSE	
The goal of this project is incorporating the available information and characterizing features for t		
The objective of this interdisciplinary project is to develop a system of statistical procedures for in		
The goal of this project is to build a network-centric computing infrastructure for conducting reser		
We view this as a two year project with the goal of providing effec G		
The PIs, funded by the Environmental Protection Agency, developed the E-Plan system for storing		
UTD's BS in SE has achieved a significant initial succ UG G		
We need to solve very large (and special) linear programs off line to compare the performance of		
Challenging Algorithmics and Mathematics in Problem solving for Middle School	FALSE	

Challenging Algorithms and Mathematics in Problem Solving for Middle School S FALSE
chool Undergraduate Scholars Program. TRUE 08/02/2006
There are indications that the dominant source of plasma for the near-Earth portion of the magnet
ve Research: An Investigation of the Variability of the Temperatures and Compos FALSE
The goal of the STEP-AIRSEDS Project is to develop an ì electrodynamic tether facility to place satellit
rvesting Methodologies for Wireless Sensor Nodes FALSE
: Wireless Sensor Networks for Remote Care FALSE
Dependent Unwinding in Superhelical DNA FALSE
n-vehicle Dialog Systems FALSE
We will develop an analytic environment comprised of a collection of techniques for generating and
athy Brain Initiative in Young Adults with Social Cognitive Disorders TRUE 03/06/2006
loc Fellowship FALSE
Welfare Reduction Due to Bubbles in Experimental Asset Markets
We propose the tandem use of sociospatial analytic techniques, qualitative methodology, and survey
Crime Scene Evidence Using GIS-Based Three-Dimensional Photorealistic Virtu FALSE
Safety on Campus: Covering Women Against Crime FALSE
The William B. Hanson Center for Space Sciences will study indications that the dominant source of
The William B. Hanson Center for Space Sciences will study the data available from low-altitude p
RP: Identifying the Sources of Variability in the Electrostatic Potential Distribution FALSE
The electrostatic potential field across the high- latitude ionospher G
The solar wind is an ol D W RM G
We plan to develop and perform laboratory tests of a flow-through ì sensor for measuring the ram com
We will do an analysis of the medium-scale-sized waves (5 to 100 kilometers wavelengths) in the ior
Low-Latitude Ionospheric Plasma Depletions: Structure, Dynamic G
The atmosphere is heated by a frictional interaction between the ì charged and neutral species. This pr
In the ionosphere, the charged particles move along or perpendicular to the Earth's magnetic fiel
The ionosphere is the upper part of the Earth's upper atmosphere, which is dominated by charged
VS TR & T: Dynamics of Plasma Structures in the Equatorial Topside Ionosphere FALSE
The study outlined here consists of the first ever-quantitative ì study G
This project addresses the spatial organization and temporal evol G
Our study of equatorial plasma depletions has proceeded well ov G
We want to devise a state-of-the-art model for a 21st century curriculum library. We will endeavor
Comet CHOICES About Consumption FALSE
of Panel Education Data Development and Analysis FALSE
rdisciplinary Training for Undergradutes in Biological and Mathematical Sciences FALSE
This project represents D
The main goal in this project is to design, build and test a ì demonstration of the use of Texas Instrume
ntegrated Circuit Based Optical Arbitrary Waveform Generation FALSE
A mobile ad-hoc network consists of a set of mobile nodes ì communicating with the others through wi
issertation Research: Statistical Models of Hypertext Comprehension FALSE
Biological systems are very complex and hence difficult to understand. This has become even m
e Transition Report TRUE 08/29/2006
e Transition Report TRUE 08/29/2006
e Readiness, Transition, and Performance Project FALSE
The Medicaid expansions of the 1990's were designed to extend public health insurance to more
The purpose of this research is to enhance our understanding about the brain mechanisms unde
The mission of the proposed Cent W RM UG G
This project will investigate the performance of existing signaling protocols & develop a general- i
:ompatible Secure Data Sharing FALSE
Glutamate is the primary excitatory neurotransmitter of the brain ì and plays an important role in a wide
The purpose of this project will be to understand how young children and adults with cochlear imp

The majority of individuals with Parkinson's Disease (PD) develop G
:he Trust and Security of Biometrics Systems FALSE
ve Research: SIRG: Fault-Tolerant and Secure Data Management in Sensor Net FALSE
entric Data Fusion and Compressed Domain Analysis for Secure Geospatial Info FALSE
Trust and Reliability of Biometric Systems FALSE
ve: Privacy-Aware Data Source Location Infrastructure for Cross-Organizational I FALSE
orative Research: Efficient Shape Matching for Large-Scale Shape Databases FALSE
I Development of Semantic Web and Data Mining Technologies for Geospatial D FALSE
Driven Modeling and Mining Geospatial Data Using Algebraic Geometry FALSE
Applications Security: Research Directions and Opportunities FALSE
:ing and Mining Comprehensive Information in Nanoscale Wireless Sensor Netwo FALSE
structure for the Secure Management of Geospatial Data FALSE
emantically Addressed Grid Based Analytics and Discovery FALSE
The purpose of this project is to investigate how acoustic experience alters neural response prope
The experiments in this project will determine how spectral and temporal features of the acoustic
WE PROPOSE TO STUDY THE INTERACTION OF MIUCROWAVE T
nd Testing for Reduced Permeation through Plastic Subtrates TRUE 02/18/2004
FALSE
e Nanotube Device Technology TRUE 12/15/2005
of Scanning Electron Microscope for Cleanroom User Facility FALSE
ate CMOS Research Center FALSE
THIS PROPOSAL SEEKS SUPPORT FOR PLANNING \ T T
This project seeks funding to create an on-line database of the ì plasma data from the DMSP satellites
The proposed study aims to evaluate the effectiveness of relationship-centered child care experie
ip Centered Child Care FALSE
nty Family Justice Center Initiative FALSE
UT Telecampus course production assistant for natural sciences and mathematics
Outlined below, the university component consists of three parts: a comprehensive webbased resou
There are two primary objectives of the program. The first is to ol G
tion Detection and Communication with Time Stamp IC FALSE
o-transponders: Wireless Neural Control for Artificial Arms and Hands FALSE
This research will investigate the relative effectiveness of the innovative aspects of the Juvenile Co
The research will: 1) determine the explanations which merit further scrutiny in the exploration of
Juvenile Crime Rate Declines: The Effect of Alternative Sanctioning Models
The goal of this project is to develop a detailed understan U
The project addresses the tectonic, geochemical, and geochronologic evolution of the Neoproterozoi
The project addresses the tectonic, geochemical, and geochronologic evolution of the Neoproterozoi
This project addresses the tectonic, geochemical, and geochronologic evolution of one of the best
This project is a unique opportunity as well as the first project to study a small watershed as it de
The Upper Red river Basin (URRB) is a potentially important water ì resource for North Texas and Sou
Dot Sensiteized Nanostructured Solar Cells with Charge Multiplication TRUE 06/01/2005
Power-Efficient Data Communication with Integrated Power Management for Hig FALSE
In this project, the PIs envision a Generic Autonomous Platform for Sensors (GAP4S) that will pro
THE FREQUENCY OF OPERATION OF FUTURE CHIP-TO-CHIP T
-Safe: Acoustic, Discourse and Language Modeling for In-Vehicle Systems & Info FALSE
ction algorithms for cochlear implant users FALSE
Speech Recognition of Bilateral Cochlear Implant Users FALSE
ontrol of Sound Localization FALSE 05/01/2006
ontrol of Sound Localization second issue FALSE
cuits Mediating Sound Localization FALSE
The UTD High Energy Physics Group collaborates on two collider ì experiments, BABAR and the Beijir

The University of Texas at Dallas (UTD) High Energy Physics Group's research is centered on the
The University of Texas at Dallas (UTD) High Energy Physics is currently commissioning a 16 noc
The University of Texas at Dallas (UTD) High Energy Physics Group's research centers on the B.
Elementary Particle Physics
The project will expand 1 existing practica and create 2 more to ì train interdisciplinary teams of gradua
Recognizing that there is a critical shortage of appropriately trained personnel to provide services
THIS IS A PRE-PROPOSAL TO ESTABLISH AT THE UN T T
rgent Nanostructured Systems FALSE
THE UNIVERSITY OF TEXAS AT DALLAS (UTD), IN CLOSE CO T
In the proposed project, the University of Texas at Dallas will design and deliver a unique set of a
Related Potentials Study of the Effects of Bimodal Language Intervention on Audit FALSE
This proposal visualizes a future ad-hoc multi- gigabit network infrastructure connecting a very lar
Observing the prolifera D W RM UG G
of a State-of-the-Art TIMS Mass Spectrometer FALSE
zoic Volcanism, Diamictites, and Banded Iron Formation of the Northern Arabian FALSE
The primary goal of Bringing Stars and Planets into Middle Schools is to field test a new set of as
WE PROPOSE TO COMPLETE AND FIELD TEST A NEW SET OF ASTRONOMY ì LESSON PLANS
Architecture of Wave - influenced delta front in the Cretaceous Gallup Formation, FALSE
imentary Geo & Paleobiology FALSE
Stress-induced deformation of geological material progresses as discrete movements along cracks,
Through a post-graduate training initiative, we will increase ì Panama's capacity to manage and protec
We propose to sequence and complete the genome mapping for the type subspecies B. thuringiensi
Privacy concerns in the society are increasing as companies that specialize in the collection and
THE UPPER RED RIVER BASIN (URRB) IS A POTENTIALLY IM T
We propose to study slightly metamorphosed sedime- ntary sequences of Neoproterozoic age prese
nmunications over Statistically Distinct Channels FALSE
ONE OF THE NATURAL REQUIREMENT OF A CONTR T T
Problem-tinnitus is a disorder of hearing. This is a form of ì tinnitus that is so severe that it interferes wi
Problem-tinnitus is a disorder of hearing. This is a form of tinnitus that is so severe that it interfere
The PI recently found ten complete, well preserved, and perfectly articulated in situ neck vertebra of
on Conducting Membrane with Well Controlled Nano-morphology for PEM Fuel C FALSE
em to the Top 2: Cultivating an Integrated Science Learning Environment FALSE
em to the Top: Cultivating an Integrated Science Learning Environment FALSE
This research will develop powerful modulation and coding techniques for the free-space optical
Modeling, Evaluation, and Tracking of Telecommunications Quality Index
This project aims principally to develop techniques which are ì less reliant on costly numerical optimiza
The principal problems to be investigated are constrai UG G
The advance of high-speed deep-submicron VLSI technology requires ì chip interconnect and packagi
e Promise: College Performance of Low-Income Top-Quartile Students in the Sta FALSE
STUDENT TEST SCORES HAVE BEEN USED BY ECONIMICS RESEARCHERS FOR ESTIMATIN
ility of Facial Identity Adaptation Effects FALSE
All terrestrial low-pressure plasmas, inevitably produce ì interactions between the working gases and tl
One of the two major doping schemes being considered for sub-0.18 micro meter device generati
The objective of this project is to design, build and test a Laser Cl G
ALL TERRESTIAL LOW-PRESURE PLASMAS, (EG, SE T T
tal Study of Chemical Cycling in Advanced Metal Gate Etch FALSE
Process Integration FALSE
A Fundamental Study of Plasma Polymerization of Films for Biomedical Applicati FALSE
Plan for Research Related to Polybenzimidazole Films FALSE
ndamental Study of Chemical Cycling in Advanced Metal Gate Etch FALSE
ring Process Development with DLC Material Coated Substrates for 25nm Nano- FALSE

e Continuous Carbon Nanotubes Growth Using PECVD and Harvesting Carbon I FALSE
ug Design of Class I HDAC Inhibitors to Induce Fetal Hemoglobin FALSE
le Cell Disease Caregiver Training Program FALSE
mics of Sickle Cell Disease FALSE
s RoboCup League FALSE
The University of Texas at Arlington (UTA) in collaboration with The University of Texas at Dallas (UT
ultural histories of Taiwan FALSE
tegrated Circuitry for Missile Defense FALSE
OSHA's Strategic Plan contains strategic goals to improve workplace safety and health for all wo
Uptake of Carbon Nanotubes by Living Cells FALSE
PROJECT GOAL AND PROCESSES THIS IS A COLLABORA- TIVE PROPOSAL BETWEEN THE U
For multimedia applications, it is highly desirable to have optimized software libraries in order to r
dentification of Semantic Nets for Hypertext Navigation FALSE
mproving University Enrollment and Retention of Hispanics TRUE 07/22/2005
The Department of Computer Science at the University of Texas at Dallas seeks to acquire a netw
There are two main thrusts in this project: 1. MANET: Techniques will be developed that will faci
Supporting Interference and Application Aware QoS in Heterogeneous Networks FALSE
EER: Animation Databases FALSE
ent of Sensor Hardware and Wireless Network Test Beds TRUE 07/21/2005
d Reform of Telecommunications Engineering Undergraduate Curriculum FALSE
TRUE 08/11/2005
patial-Temporal Analysis of Environment and Public Health Related Data TRUE 07/13/2005
For optical materials state-of-art doping method, currently used is a method of bombardment by ions
tice Filters - Theory, Design and Applications FALSE
nnection/2004-2005 First Generation College Student Grant Program FALSE
smic Acceleration Beyond the Dark Energy Equation of State: Distinguishing Bet FALSE
rrelations in Galazy Ellipticities, Gravitational Lensing, and Structure Fromation: FALSE
CMB, Supernova, and Large-Scale Structure data using cosmological models tha FALSE
gy and Cosmic Acceleration: A novel systematic approach to analyze and study a FALSE
ding Policies for Improving Teacher Quality FALSE
ding Policies for Improving Teacher Quality TRUE 11/30/2005
n for Learning from Logitudinal Education Data FALSE
The Texas Symposia take place every other year and serve as an international summary of recent
This project requests travel fund (only air fare) from the National Science Foundation for 25 U.S. s
TeleCampus plans to publish a series of courses entitled "Chess in the Classroom" (the "Collective
We will develop models and evaluation schemes for an industry-wide Telecommunications Quality In
udents for Careers in Information Assurance FALSE
Crowns: Fundamental Studies on Phenylenediamine-Based Macrocyclic Receptc FALSE
Data on the Telecom Corridor will be collected from industry, academia, and the State of Texas.
operation of Heterogeneous Biological Information FALSE
K: A Bioinformatics System for Context-Driven Functional Clustering FALSE
The investigators propose to use a neuro-fuzzy system based on the fuzzification of the famous I
The project investigates and develops a software infrastructure using visual approaches for high
The project investigates and develops a software infrastructure using visual approaches for high p
The Internet has experienced, and continues to experience, extraordinary growth on all fronts: the
iologic Representation of Voice Onset Time in the Auditory Cortex of Children wit FALSE
The purpose of this project is to determine the developmental tim G
Novel MRI Contrast Agents for Diagnosis of Alzheimer's Disease G
Contrast Agents FALSE
TCA cycle kinetics during exercise and ischemia
Cardiac muscle cells consume a large amount of ATP per beat, yet when cardiac work increases in

Source Effects on Groundwater Asenic Mobilization FALSE
The present project aims to examine, in a developmental context, how socially relevant facial mo
This project aims at developing and implementing methodologies ì for using Landsat Thematic Mapper
STEM Graduates at The University of Texas at Dallas FALSE
For this project, lake waters will be collected at different times of the year from several locations ar
This project focuses on one particular mouse mutation called Ames Waltzer (av). The av is a rece
In the proposed research, we focus our investigation on scheduling & path diversity techniques to
In this project we introduce a novel framework for optimizing the ì aggregation of an arbitrary set of per
In all networks that have a broadcast channel as the basis of ì communication, the medium access cor
This research project intends to fully explore the promising potential of the novel meta-MAC protocol
This project introduces a new approach to optimize network performance and to handle the scalability
The successful preliminary theoretical and experimental results of our MERIT framework have er
Currently, there is a big drive toward deploying optical crossconnects OXCs interconnected with WD
nna Design and Evaluation FALSE
Assistive Listening Devices for the Hearing Impaired Using Blootooth Technology
The purpose of this project is to evaluate effectiveness of different types of FM systems on childre
Appropriate coupling options and the performance of children using hearing aids and frequency r
The focus of this project is to provide doctoral and postdoctoral ì training in aural rehabilitation of pedia
odes for Coupling for Neuronal Networks FALSE
Control and Management of Data Integrity, Quality and Provenance for Commar FALSE
eserving Link-Based Classification FALSE
emantic Framework for Enforcing Confidentiality, Privacy and Trust FALSE
D Human Motions FALSE
ors: Handling Interference, Communication and Security FALSE
ve Research: Approximating Eigensystems of Matrices used in Spatial Analysis TRUE 12/22/2005
to Assess Regional Landscape Character and Water Quality in the White Rock C FALSE
Outcomes of Cochlear Implantation in Early Childhood. FALSE
Outcomes of Cochlear Implantation in Early Childhood TRUE 08/10/2006
This proposal will explore the effect of age at implantation and duration of implant use on speech
The overall goal of the HATS program is to train speech ì pathologists and audiologists to enhance the
The overall goal of the AIM IT HI program is to develop training modules for speech pathologists
The AIM HI project will D W RM UG G
Production and Perceptual Factors on Consonant Accuracy FALSE
Translation Review is composing a publication of a collection of the highlights that have been publ
In this project we propose to research, develop and in UG G
We have developed a tool suite called ViSta that automatically produces statechart layouts based on
This project will prepare a framework for the design, construction, and application of a generic sys
The project proposes a framework for the design, construction, and application of a generic system
This research will develop new strategies and algorithms that ì benefit ad-hoc as well as cellular netwo
THE 3G CELLULAR STANDARDS SUCH AS CDMA2000 AND L T
The Jonsson School of Engineering and Computer Science with Dr. William Osborne as PI will pe
The PI will peform a study of RDSS systems for the US Government, and provide on-going assessm
We propose two research efforts leading to improved sytems for detecting and recognizing faces
The goal of this one-ye D RM
This study contributes to a long-range plan to develop a clinically viable and systematic means of
The project will contribute to a long-range pla RM
Measures of discourse D RM
The goals of our project are to design and evaluate efficient algorithms that will: (a) address the is
Strengths and Self Schemas FALSE
al Differences Matter? Individual Differences and Teachers' Perceptions of Aggr FALSE
odeling and Reinforcement of Childern's Social Aggression FALSE

e-Based Risk Factors for Psychopathology FALSE
Space Weather into UTD Dallas Professional Development Programs for Teache TRUE 10/17/2005
nnections: Ionospheric Science, Instrumentation, and the Physics Classroom FALSE
THE GOALS OF PROJECT ENHA T
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
The Reading One-to-One AmeriCorps program, a project of the Communication and Learning Cente
Reading One-to-One: Universal Academy Charter School
Reading One-to-One: Dallas Public Schools - Julian T. Saldivar ì Elementary.
Reading One-to-One: Dallas Public Schools - AmeriCorps - ì Alternative Education Program.
Social Science Data with Time Deformation Models FALSE
There are two primary objectives of the program. Firs UG G
THIS PROPOSAL REQUESTS SUPPORT FOR THE ACQUISITI- ON OF A SOPRA COMBINED GF
THIS PROPOSAL REQUESTS SUPPORT FOR THE ACQUISITI- ON OF AN ANALYTICL HIGH-RE
ASSEMBLERS FOR NANOTECHOLOGY APPLICATIONS AND T
er for Electronic Textiles FALSE
sed Devices Utilizing Advanced UHV Wafer Bonding Methods TRUE 03/13/2006
nickness on the Crystallization of Ultrathin HfSion Gate Dielectrics TRUE 12/30/2005
Material Characterization for the Electronic Industry FALSE
er Chemical Vapor Deposition for Nanoelectronic Structures and Devices FALSE
y, Bonding, Diffusion Studies of Metal/High-k Stacks FALSE
ent and Implementatin FALSE
holarship for Courtney Mathews TRUE 05/15/2006
This project is a collaboration project with the Center for High Energy and Gravitational Astrophys
Surface Plasmon Resonance Technology FALSE
nty Task Force on Indegent Health Care TRUE 02/28/2005
This project will apply ˙D W RM
UTD has developed a unique method to capture geologic outcrops in 3D, digitally and photoreali
THERE HAVE BEEN TREMENDOUS RESEARCH AND DEVELOP- T
ABSTRACT: THE ALCATEL INTERACTIVE COMMUNICATION T
of Distributed Presence Servers TRUE
The University of Texas at Arlington (UTA) in collaboration with ì The University of Texas at Dallas (UT
Energy Transport Using Phase Change of Nanofluids FALSE
The main objectives of this project are the design, synthesis and investigation of novel organic ph
Raman Scattering (RS) has become a standard tool to UG G
In this project the Ferraris sub-team will synthesize molecular dopants, such as Fn-TCNQ, TTF, T
The project is directed toward the creation of a universal, portable, personal recharging device, th
In this project, nanostructured substrates containing periodic arrays of metallic nanoparticles of c
The Computer Science Department of the University of Texas at D G
Training Students for Research and Teaching Careers in Software Engineering
UTD COMPUTER SCIENCE DEPARTMENT SEEKS TO RECRUIT, T
octoral Students for Teaching and Research Careers in Computer Science FALSE
Multi-system Human Performance Data Driven Analyses of Neurological Diseas FALSE
Capture Database Framework for Physical Medicine Rehabilitation FALSE
THIS PROPOSED RESEARCH AT NANOTACH INSTITU T T
notube Yarns and Sheets for Load Bearing Multifunctional Aerospace Structures FALSE
ve Research: Securing Embedded Systems Using Network Processors FALSE
This project aims at implementing remote sensing methodologies including optical-radar data fusion,

This proposal outlines a two-year project to study the Gorge of th	G	
This proposal outlines a 2 year project to address the structural e	G	
THE PROPOSED WORK OUTLINES A THREE YEAR PLAN TO ST	T	
Realistic Virtual Digital Replica of Bubasteion, Saqqara, Egypt	FALSE	
s on the Opening of the Red Sea from Precambrian Structures	FALSE	
on the Opening of the Red Sea from Precambrian Structure	FALSE	
Dr. Abdi will participate to the statistical data analysis of the brain imaging SPECT data and beha		
onse Pattern Analysis Study	TRUE	02/18/2005
Methodology to Develop Peptidomimetics of Large Peptide Hormones	TRUE	04/06/2005
ent of GLP-1 Peptidomimetics for the Treatment of Type 2 Diabetes	FALSE	
l Synthesis of Peptidomimetics for Large Peptide Hormones	FALSE	
ent of Anti-Endotoxin Agents for the Biodefense of Sepsis	FALSE	
ent of Anti-Endotoxin Agents for the Tratment of Sepsis	FALSE	
ent of Alpha-Helix Mimetics and their Therapeutic Application for Diabetes	FALSE	
ent of Combinatorial Libraries of Alpha-Helix Mimetics	FALSE	
ent of Peptidomimetics to Modulate Receptor-Ligand Interactions	FALSE	
A digital data set of information for fieldwork in northern Spain will be generated and mapped at N		
This will consist of three people from UTD taking appropriate mapping equipment to Spain for a p		
Collecting GIS data using Global Positioning System ("GPS") for the City of Rowlett.		
Analyzing the San Clemente virtual geological model.		
NORSK HYDRO ASA WILL FUND ADDITIONAL DIGITAL MAPP	T	
WE PROPOSE A NEW WIRELESS COMMUNICATION SCHEME	T	
Future: the Value of Algebraic Structure in Cross-Layer Design	TRUE	08/22/2005
M Interference Mitigation Architecture & Algorithms for Broadband Mobile Wirele	TRUE	06/22/2005
ent of Nanostructures for Negative Refraction at IR and Visible	TRUE	06/01/2005
Tools for Analysis of MRI Spectra and Brain Imaging Data	FALSE	
of Subauroral Electric Fields on the Plasmasphere	FALSE	
cs Guest Investigator	FALSE	
	FALSE	
	FALSE	
Speech communication often takes place in noisy environments, ì including situations where several p		
In this project we are proposing a series of experiments using natural and vocoder-processed spe		
A primary goal of this project is to investigate long-term perceptual accomodation to frequency-sh		
The research is divided into three main projects. Project 1 applies a high-quality analysis- synthe		
This research is aimed at providing the conceptual and computati	G	
SAD Young Investigator Award	TRUE	11/11/2004
A novel approach to fabricating membranes of zeolites and related ì molecular sieves has been develo		
This work will be a continuation of the research initiated last ì summer as part of the ARP High School		
Complexes entrapped in zeolite pores but not necessarily bound to the oxide surface are often re		
We will develop new nanoporous metal oxides using ft U	G	
A novel manufacturing process for nanoscale molecul UG	G	
MOLECULAR SIEVES COMPRISE AN EVER GROWIN	T	
Thermal Transcript	FALSE	
ered Photocatalysts for	FALSE	
lytic Materials and Fuels	TRUE	
Derived Semiconductor Nanoparticles for Solar Cells	TRUE	06/01/2005
	FALSE	
ecular Sieve Composites for Long Lived Solid State Lighting	FALSE	
orid Framework Materials for Interactive Catalyst Supports	FALSE	
sieve templated Groth of TiO2 nanofibers: Use for the Photocatalytic degradatior	FALSE	
This interdisciplinary project closes the gap between the past methodologies and the new quantita		

The proposed project is targeted to close the gap between the classical theory of Bayesian change-			
quential Planning		FALSE	
quential Planning		FALSE	
This project will examine age-relat	W RM		
The objective of this project is to develop technology for synthesizing high-performance telecomn			
Advanced Middleware for Convergence of IT and Communications through SIP-		TRUE	09/07/2004
In this project, we intend to synthesize and characteriz	U		
nal Nano-Scale Reinforcement Architecture for Advanced Composite Structures		TRUE	09/15/2004
Interdisciplinary Research Team		FALSE	
na, Dry-Spun Multiwalled Carbon Nanotube Yarns		FALSE	
epts for High Performance Artificial Muscles Based on Nanostructured Materials		FALSE	
f CNT's		TRUE	08/09/2005
nal Nano-Scale Reinforcement - Phase II		TRUE	10/11/2005
ent of Electrical and Thermal Properties of Transparent Carbon Nanotube Sheets		FALSE	
erature Indicator		TRUE	05/19/2005
Carbon Nanotube Yarns and Sheets for Satellite Applications		TRUE	07/19/2006
l Energy on Demand from High Strain Actuators		FALSE	
ent of EADS Initiative to Develop its US Industrial Strategy		TRUE	11/30/2004
Management Study		TRUE	11/01/2004
and Consulting in Risk Management		TRUE	03/18/2005
sk and Elasto-Plastic Oscillators Modelling		TRUE	09/14/2005
re Sets in Geometric Graphs Under Various Criteria		FALSE	
The purpose of this project is to separately measure both the real and imagined effects of public			
The purpose of this two-year project funded by Unocal is to better clarify the thermal controls on p			
Research shows that many young adults involved in crime already display behavioral problems at a			
NT POVERTY, CHILDREN'S EARLYLA NGUAGE AND BEHAVIOUR PROBLEMS AND YOUNG			
Researchers at the University of Texas at Dallas will investigate basic research issues related to F			
In this project, we will focus on an objective of defining, designing, and implementing a high speed			
The principal investigator at the University of Texas at Dallas (UTD) proposes to introduce system			
An important, but poorly understood area of research, relates to lowstand wave influenced deltas. Wa			
This research is designed to challenge the notion that high frequency (tens to hundreds of thousands			
This project details a procedure to place two different organic moieties spatially adjacent within a			
This project will create SAMs (Self-assembled monola	U		
The Executive Programs area of The University of Texas at Dallas's School of Management is excite			
The purpose of this project is to support the development of advanced technologies that dramatic			
In this project, we will establish a MEMS fabrication process with sub-micron minimum feature siz			
The goal of this project is to develop increase enrollme	UG		
Student retention from freshman to sophomore year is	UG		
Phase I: Definition of test patterns/masks, compatibility of equipment, and software considerations			
ve Research: Bayesian Time Series Models for the Analysis of International Conf		TRUE	08/12/2005
ping in the Nation's Forests		FALSE	
the Extent of Profiling in Enforcement Behavior		FALSE	
of a GIS-based Decision Support System for Predicting Marijuana Cultivation an		FALSE	
Metabolic pathways of mitochondria play a primary role in the provision of energy for normal cell func			
Most cellular energy in the form of ATP is synthesized in the mitochondria by the oxidative phosphory			
The specific aims of the work described in this project are to examine the role of COUP-TFII, NG			
Most cellular energy in the form of ATP is synthesized in the mitochondria by the oxidative phosph			
Studies of the effects of oxygen concentration on gene expression have revealed that some genes			
The specific aims of this project are: (1) to examine the kinetics of the down-regulation of the ATP			
The specific aims of this project are: (1) to examine the kinetics of the down-regulation of the ATP			
The specific aims of the research described in this project are: (1) to determine if the rate of the A			

Our laboratory has determined that the nuclear genes that encode the alpha- and beta-subunits of
The long-term objectives of the research in my laboratory are to understand how the genes that e
THE LONG TERM OBJECTIVES OF THE RESEACH IN MY LABRORATORY ARE TO UNDERSTA
REGULATION OF THE MITOCHONDRIAL ATP SY NTHASE SUBUNIT GENE BY USF2,USF1,AND
SIGNALING BETWEEN PGC-1 AND USF PROTEINS
onal Regulation of the Mitochondrial ATP Synthase Alpha-Subunit Gene by USF FALSE
Most graduate programs at state institutions still focus on the ì traditional student pursuing their first gra
This project is undertaken as a part of NCTCOG's effo UG G
This contract is undertaken as a part of an effort to develop GIS s G
This project focuses on providing a quantitative assessment of detailed wellfield-aquifer-stream in
We propose to make a planning and test-of-concept trip to the Terai plains of Nepal to evaluate the
al Approaches to the Character FALSE
There is increasing concern about the potential of insects ì developing resistance to Bacillus thuringien
This is an application for a competitive renewal of a highly ì successful institutional training program in
The fall armyworm (Spodoptera frugiperda) (FAW) is one of the few ì insect species that disperses and
The overall goal of the Institute for Bio- Nanotechnology for Extraterrestrial Biocomplexity (IBNEB)
Cry toxin binding occurs close to the MPED of BT- R2. Perhaps, Cry toxin targets this region and
Assessment of proteomic alterations, along with biochemical and genetic changes associated with
A proposed method and an apparatus for the method realization is based on cell-nucleus monitoring
In the proposed project, we will fully develop, implement, evaluate and disseminate the benefits o
e II Academic Year Program TRUE 06/15/2005
' Bridge to the Doctorate Supplement, Cohort IV FALSE
QUAD: Questioning Unravels Algebraic Difficulties
The PI is currently involved in two research projects, one that ì deals with microelectronic process mon
THE OVERALL GOAL OF THE WORK PROPOSED HERE IS TO T
ve Research: Automatic Defense based on Feedback Control FALSE
aptive Software Process Control FALSE
This grant will support a graduate student, who will perform ì research leading to a Ph.D thesis at The U
A student Research Assistant will perform research leading to a ì Ph.D dissertation at The University o
Optimization of dispersion mapping for long-haul transmission systems
Although modern manufacturing processes can lower the attenuation of single-mode optical fiber
The project will result i D W RM G
The Principal Investigator and a pre-doctoral graduate student will create a model of multimode fi
THE ELECTRICAL ENGINEERING DEPARTMENT AT U T T
The project will test an innovative neuroprosthetic device called the 'NeuArray' designed and man
:hetic Training Software FALSE
Bail in Texas TRUE 08/28/2006
We will establish a multi-level intervention program for children ì with brain injury in Dallas and Houston
We will establish a multi-level intervention program for children ì with brain injury. The intervention prog
This project will establish a multi-level intervention program ì for adults with Alzheimer's disease and se
This study aims to determine the differential impact of a support ì group, a structured cognitive-linguisti
The goals of the research are to 1) to develop clinical tests for assessment in preparation for a pha
The Pediatric Brain Recovery education/ intervention program: * Identifies the specific nature and
The program is a cogn D
ExxonMobil child link to critical services program
Goal 1. Develop and implement training and retraining of faculty in the disciplines of medicine (G
DESPITE THE HIGH PREVALENCE OF ATTENTIONAL WEAKNESS I NCHILDREN WITH EARLY
WE PROPOSE TO ADDRESS 3 AMINS IN A STUDY OF TRAUMATIC BRAIN INJUSRY (TBI) IN C
ıvioral Outcome of Head Injury in Children/Supplement TRUE 09/20/2004
e Memory in Children with Traumatic Brain Injury FALSE
Stroke: Attention and ADHD FALSE

ıvioral Outcome of Head Injury in Children 4 FALSE
ve BrainHealth Project in Kids TRUE 12/12/2005
e Memory in Children with Traumatic Brain Injury FALSE
The focus of this project is to study the QoS in the Differentiated Services (Diffserv) networks, in p
This project is to explore architectures for supporting D U G
Dr. Chevrier will research the political process leading to biological weapons disarmament in five
The objective of this research is to develop a novel rou U
This research project, will investigate new provisioning approaches which are uniquely suited to
The consortium of The University of Texas at Dallas, Iowa State University, Ohio State University
ı Statistical Methodology for Method Comparison Studies FALSE
Multi-dimensional approaches are now recognized as most effective ì for investigating and eventually c
THIS PROJECT WILL DEVELOP AND TEST RIVAL EXPLAN- A T
ıtal Award-Government Performance, Valence Judgments & the Dynamics of Par TRUE 07/06/2006
Given that today's scheduling algorithms are based on the original work on scheduling of periodic
This research effort centers on the study of a phenomena in the ì Earth's equatorial ionosphere known
ıperature, Scale Heights and Composition FALSE
of Ionospheric Models from the Community Coordinated Modeling Center Utilizing FALSE
Nuclear spin isomers store the highest densities of energy possible without nuclear reactions. For
Nuclear spin isomers store the highest densities of energy possible without nuclear reactions. H
olymeric Hybrid Solar Cells with Transparent Carbon Nanotube Interlayers FALSE
The main goal of this project is to develop the harmonic analysis ì on indefinite inner product spaces. T
The main goal of this project is to develop the theory of invariant actions on indefinite inner produc
The main goal of this project is to study harmonic analysis on indefinite inner product spaces. This
The main goal of this project is to study hermitian kernels with additional symmetries. Technically
The main goal of this project is to study some classes of orthogonal polynomials in several non-c
THE MAIN GOAL OF THIS PROJECT IS TO STUDY SOME CLASSES OF ORTHOGONAL POLYN
ernals and their Orthoz FALSE
Matrix Algorithms for Dynamic Multiscale Processes FALSE
Our integrated approach, called the COTS-Aware Requirements Engineering and Architecting (CAR
The interaction of the geospace environment with the interplanetary medium is extremely variable
The interaction of the geospace environment with the interplanetary medium is extremely variable
The interaction of the geospace environment with the interplanetary medium is extremely variable
ion of the Global Electrodynamics of the Aurora during Northward Interplanetary FALSE
high latitude electrodynamics using an extended database of auroral images. FALSE
The University of Texas at Dallas sees a great opportunity presented by Sloan Foundation Initiati
hold Voltage Field Emission Cold Cathodes Based on Carbon Nanotube Yarns ar FALSE
erencing as a Process TRUE 07/19/2005
ractive: A Geographic Tour of Japan for K through 3rd Grade FALSE
ı a Statewide, Integrated GIS/GPS Data Model FALSE
ules and Burnside Groups FALSE
Neuronal Growth Cone Dynamics FALSE
The adaptive optimal path problem for graphs (PI) arises in several applications, such as vehicle
In this project we consider the problem of determining the positior G
We consider the problem of determining the positions UG G
We propose to research, develop and implement effic UG G
Region Problems: Theory and Algorithms FALSE
Geometric Optimization in Bio-Medical Sciences FALSE
Region Problems: Theory and Algorithms FALSE
As part of this project, the School of Management at the University of Texas at Dallas (UTD-SOM)
FOR MAJOR GOALS ARE TARGET AS PART OF THE TWO YEAR T
1. MATERIAL DESIGN AND PROCESS DEVELOPMENT USING T

This grant provides funds for speakers and students to attend the ì AMS 1999 Fall Central Sectional M
This collaborative research is for the development and study of ì solutions to some problems in comput
This project is aimed at funding Dr. Octav Fercheluc's Postdoctoral Fellowship at UTD. We prop
ent of Convergence Classes for CB MANET Application Traffic FALSE
lulticast in Highly Dynamic Ad-Hoc Networks FALSE
laterial and Teaching Strategies for Performance Modeling and Analysis of Comp FALSE
nd Consensus: Sen in the Laboratory FALSE
Telecampus course production assistants
In humans, approximately 100,000 genes must be transcribed to ì give appropriate levels of mRNA. Or
The project aims at defining the germ-cell specific regulatory pathway that causes the simultaneou
This project is aimed at understanding molecular events associat G
The overall goal of this project is to understand mechanisms of ge G
The current proposal is divided into three major aims. The first is G
The enzymatic synthesis of RNA from DNA involves a multisubun G
XENOPUS OOGENESIS AND TRANSCRIPTION FACTOR ISOF G
on Factor Gene Expression: Control by a Novel RNA Sequence Module FALSE
We will develop a systematic and formal methodology to model security systems architectures, to
Aberrant methylation of the promoter regions of tumor suppressor ì genes has been linked to various fo
In this project, DNA coding for the helix-binding receptor will ì be chemically synthesized and inserted a
The goal of this project is to design small protein domains that can (1) localize to hypermethylated
The goal of this project will be the design of small beta-sheet peptides that have a protease site in
This project focuses on the design of fusion inhibitors that bind to the pre-hairpin intermediates of
The project describes the creation of membrane fusion inhibitors that could be used for the desig
This project seeks an understanding at the atomic level of both the structural and electrostatic fea
The specific aims of this project are: (1) design and characterize folded derivatives of the helix an
Cysteine-rich Zn(II)-binding sites in proteins serve two distinct functions: to template or stabilize s
actured Nanomaterials Environmentally Benign?: Uptake, distribution, and biolog FALSE
Cyclic Peptides: Building Blocks for novel Peptide and Peptide/Carbon Nanotub FALSE
nt Functionalization of Carbon Nanotubes Using Designed Polypeptides FALSE
of the Thiolate-Rich Zn(II)-Site in the Zinc Ribbon L36 Towards Methylation FALSE
onal, Self-targeting Peptide-coated Quantum Dot Probes for Single-molecule Micr FALSE
Apoptosis is a biological process that is critical for the normal development of the nervous system
Cell survival is maintained by complex mechanisms involving a ì multitude of signaling molecules. Rec
Apoptosis is a specific mode by which cells of all types ì including neurons, die. The goal of this projec
We have examined the role of another molecule, Akt, in the regulation of neuronal survival. We w
Flathead (Fh) is a rat neurological mutant with brain-specific abnormalities. Rats homozygous for
Apoptosis is a specific mode by which cells of all types including neurons, die. While a normal fea
The specific goals of this project are: (a) To understand the mechanism by which NF-kB stimulates
The Flathead (fh) mutation is a relatively recent spontaneous, autosomal recessive mutation in rats
The specific aims of this proposal are: 1. To better understand the effect of GW5074 on c-Raf.
Parkinson's disease (PD) is a chronically progressive neurodegenerative disease, affecting over
NEUROLOGICAL DISEASES DISRUPT THE QUALITY OF THE T
HISTONE DEACETYLASES IN THEREG ULATION OF NEURONAL SURVIVAL
Pathways Regulating Neuronal Survival FALSE
Pathways Regulating Neuronal Survival FALSE
ding the rold of HDAC4 in the brain FALSE
on and Analysis of Neuroprotective Compounds FALSE
ent of Drugs to Treat Huntington's Disease FALSE
Control of HDAC4-Mediated Neuroprotection FALSE
Indolones as Neuroprotective Drugs for Parkinson's Disease FALSE
Pathways Regulating Neuronal Survival FALSE

›athways Regulating Neuronal Survival	FALSE	
attern-Based Design Composition, Evolution, Replacement and Visualization	FALSE	
Formal Approach to Design Pattern Composition, Evolution, Replacement and Vis	FALSE	
›s for Natural Product Production and Derivatization	FALSE	
There are two long-term objectives in this project. The first is to better understand the molecular n		
The objective of this project is to better understand membrane traffic through the Golgi complex, w		
This project is an extension of my previous work and contains two related sub-projects. Sub- proj		
The underlying concept of this project is to use the self-assembly properties of amphiphilic helices		
The four specific aims in this project seek to understand how cell G		
With the recent discovery that the normally weak Raman signal is increased by several orders of		
ONE OBJECTIVE OF THIS PROPOSAL IS TO UNDERS T	T	
DEVELOPING COMPOSITES BETWEEN SYNTHETIC A T	T	
:reening for Toxicity of Nanomaterials	FALSE	
etic Nanoparticle Enhanced Surface Acoustic Wave Biosensor for Proteomics	FALSE	
oparticle enhanced biosensor for bacterial detection	FALSE	
ıunosensor based on Nanoparticles and Surface Acoustic Waves"	FALSE	
tivity, Specificity and Portable Biosensor Based Biomonitor	FALSE	
/Testing of Neural Interface Materials	FALSE	
ımental Personnel Act	TRUE	10/25/2005
ent of Effective Gene Selection Algorithms for Microarray Data Analysis	FALSE	
ve Research: Keying Suite - A Protocol Library for Key Establishment in Sensor N	FALSE	
ve Research: Optimal Search and Optimal Selection	FALSE	
The project will proceed according to the following steps: (1) The drafting of a concept paper (We		
:countability into International Development Advising in an Age of Diffused Gover	TRUE	04/06/2005
We will develop an interactive numerical model of Layer Evolution ì And Dynamics (LEAD) that will imp		
This project will develop a HATI instrument on a sounding rocket, ì to launch from Poker Flats, Alaska		
This project will develop a Mass Spectrometer instrument on a ì sounding rocket, to launch from Poker		
UTD's Center for Space Sciences proposes to build instrumentation for 3 rockets to be launched fron		
e/Ionosphere Coupling in the Creation of Topside Spread Echoes	TRUE	11/09/2005
tmosphere/Ionosphere Coupling in the Creation of Topside Spread Echoes	FALSE	
›n of a Sensor to Measure the Ram Component of the Neutral Wind from an Orbi	FALSE	
ptimization of a sensor to measure the RAM Component of the Neutral Wind fron	FALSE	
	FALSE	
ve Research on Trust, Race, Framing and Institutions	TRUE	09/14/2006
t of Hurricane Katrina on Charitable Giving: An Experimental Study	TRUE	04/20/2006
ve Research: WITS: A Wireless Interactive Teaching System	TRUE	08/29/2006
›ry and Social Interactions	TRUE	04/01/2006
l Applications of Sharp Nonparametric Estimation and Learning	TRUE	08/14/2006
etric Curve Estimation: Theory and Practice	FALSE	
M/A/R/C will allow students from the Social Sciences program at ì T G		
The Texas Commission on the Arts provides financial assistance to ì metropolitan and rural communiti		
The Texas Commission on the Arts provides financial assistance to metropolitan and rural commu		
"A World of the Arts" offers a variety of concerts, art shows, dramatic productions, dance events,		
r 2005/2006 Series	FALSE	
This agreement is entered into by Plano Independent School ì District and between The University of T		
This agreement is entered into by Greenville Independent School ì District and between The University		
The Communication and Learning Center (CLC) is a component of The ì National Science Foundation		
The Reading One-to-One Program at The University of Texas at Dallas will provide to Oliver and F		
The Reading One-to-One AmeriCorps program, involves one-to-one reading instruction for 6th-8t		
The Reading One-to-One Program at The University of Texas at Dallas (UTD) will provide to the		
The Reading One-to-One AmeriCorps program, involves one-to-one reading instruction for 1st - 8		

(1) Contracting Parties: This agreement is entered into by Plano Independent School District and The		
(1) Contracting Parties: This agreement is entered into by Greenville Independent School District		
The reading one-to-one AmeriCorps program, a project of the Communication and Learning Center,		
The Reading One-to-One AmeriCorps project will continue to have as its main objective the goal of		
READING ONE-TO-ONE: HOUSTON ISD		
The Reading One-to-One AmeriCorps project will continue to have as its main objective the goal of		
Greenville/Sherman Partnership for Education of Homeless Children and Youth		
Reading One-to-One: Houston Independent School District (ISD)		
AVID Project	TRUE	10/12/2004
ntegrated	TRUE	02/14/2005
) Dallas: Mathematics - Community Service - College Enrollment	FALSE	
ntergrative Pre-Algebra	TRUE	07/06/2005
'artnership for Education of Homeless Children & Youth	TRUE	09/01/2005
Partnership for Education of Homeless Children and Youth	TRUE	09/01/2005
Partnership for Education of Homeless Children and Youth	TRUE	09/01/2005
nership for Education of Homeless Children and Youth	TRUE	09/01/2005
ardson AVID Project	TRUE	09/01/2005
ne-to-One: Houston Independent School District	TRUE	10/14/2005
Jniversity Enrollment and Retention of Hispanic Students	FALSE	
letworks with Multiple Physical Layers--The Case for Multi-Radio Networks	FALSE	
This work focuses on Dallas County's Youth Village Aftercare ì Pilot Project. It seeks to answer the que		
This project will evaluate three programs in the Dallas County ì Juvenile Departments' Substance Abus		
Dallas County's proposed Juvenile Drug Court will provide intensive judicial intervention and sup		
The purpose of this research project is the study of detector ì options and detector development for OM		
In this project funding is requested for detector options and detector development of OMNIS, the		
THE PROPOSAL DOCUMENTS DISCUSSES IN THE FIRST PART T		
ím Liquid Argon Detector at WIPP	FALSE	
'operties of Light Exiting Wavelength Shifting Fibers.	TRUE	06/15/2006
This contract extension is intended to fund a third phase of ì fieldwork and an analysis of all of the field		
The University of Texas at Dallas has been engaged in research to develop methods to monitor wate		
The University of Texas at Dallas has been engaged in research to ì develop methods to monitor wate		
Estimation of Aquifer Recharge in the Espanola Basin Using Time	G	
Reservoir Monitoring by Micro-Gravity Techniques	G	
THE UNIVERSITY OF TEXAS AT DALLAS HAS BEEN ENGAGI	G	
THE FACULTY OF TEH AWARDING WINNING SAGE(SUMMER OF APPLIED GEOPHYSICAL EX		
logy and Stratigraphy of Hyperpycnal Deposits Formed by the Red River Delta in	FALSE	
This practica program allows a student in the Doctor of Chemistry ì program to have an opportunity to		
Recent theoretical and experimental discoveries from our ì laboratories and others have pointed the wa		
Bayer Corporation will allow students from the Chemistry program ì at The University of Texas at Dalla		
This practica program allows a student in the Chemistry program	G	
This practica program allows a student in the Chemistry program	G	
The importance of the field of conducting polymers, bo	U	
Design and synthesis of organic materials in support of LANL group MST-11 research programs on:		
This practica program allows a student in the Chemistry program to have an opportunity to apply		
This practica program allows a student in the Chemistry program to have an opportunity to apply		
This practica program allows a student in the Chemistry program to have an opportunity to apply		
This practical program allows a student in the Chemistry program to have an opportunity to apply		
THIS WORK WILL CONTINUE TO THE OVERALL PROJECT GOAL OF DEVELOPING NEW CHRO		
Texas has long been The Energy State, because of both its natural resources and technologies. Th		
FUEL CELL(FC) ARE RAPIDLY EMERGING AS THE NEXT -GENERATION CLEAN ENERGY SOU		
SYNTHESIS OF WATER DISPERSIBLE BAMPPV COPOLYMERS		

'racticum Agreement for Carlos Barcena	FALSE	
and Architectural Control of Self-Assembling Donor-Acceptor Block Copolymers	FALSE	
:haracterization and Energy Transfer Studies in Donor-Acceptor PPV Diblock Co	TRUE	06/01/2005
anoEnergetics Hub at UTD	TRUE	06/01/2005
IG Nanoerergetics HUB at UTD - IV	TRUE	06/01/2006
·nce, Technology, Engineering and Math (T-Stem) Centers	FALSE	
The William B. Hanson Center for Space Sciences will identify the mechanisms responsible for the		
This project will continue and extend investigations involving the energetics, dynamics, and variab		
The construction of self-healing networks, which can survive ì network failures by themselves, is a criti		
Turbo codes have received a considerable amount of attention due ì to their superior performance, and		
We will design a study of a sequence of devices that constitute a ì scenario for continued downscaling		
The task of the Unviersity of Texas at Dallas group will be to ì support the experimental development o		
This project and the research efforts described to some detail will focus on two main goals. The f		
THIS IS A OLLABORATIVE RESEARCH PROPOSAL INVOLVING T		
Modeling for Intersubband Quantum Devices Grown by MBE	TRUE	06/07/2005
uantum Cascade Electro-Luminescent Device Array	FALSE	
Modeling/Control for Intersubband and Interband Quantum Devices Grown by ME	FALSE	
This project involves a 4-year randomized trial to compare the ì effects of four intervention programs or		
Specific language impairment (SLI) affects approximately 7% of ì kindergartners. Follow-up studies re		
UT Dallas will provide Artis Software with the following ì services: 1) Definition and development of I		
The main objectives of the project are - to foster an international (G		
The objective of this project is to investigate a novel approach to design a cost effective and self-c		
The project proposes the research cooperation to focus on distributed architectures, protocols, and		
Studies of Photoinduced Charge Separation and Optical Properties of Carbon N	FALSE	
in Solutions: Charge Carriers, their Interactions and Dynamics	FALSE	
›py of Electronic Excitations of Carbon Nanotubes in Polar Environments	FALSE	
The research studies very severe tinnitus (problem-tinnitus). One objective is to measure several		
The purpose of the project is to verify the presence of very large cortical potentials in some perso		
el Plasticity & Multi-Model Integration	FALSE	
The goal of the project is the chemical fabrication of prototypes of G		
MOST BIOLOGICAL AND CHEMICAL WARFARE AGENT DETE T		
P-SUPP GRANT FOR HIGH SCHOOL SCIENCE AND MATH		
THE PROPOSED SENSOR ARCHITECTURE IS BASED ON AN ARRAY OF SENSING ELEMENTS		
nversion	TRUE	01/26/2005
ion of Assembly Tolerances for Scaled MEMS/NEMS Devices	TRUE	01/13/2005
Autonomous Multisensory Systems	FALSE	
Barrier Properties in Flexible, Plastic Substrates	TRUE	08/01/2005
ectronics and Flexible Displays for Conformal Nanosystems	FALSE	
·nct, Very Rapid, Hydrogen Desorption From Carbon Nanotubes Using Low-Pow	FALSE	
rganic TFTs for RFID Applications	TRUE	07/07/2005
Broadband Laser Magnetometer for ASW	TRUE	09/13/2005
r Vacuum GaN	TRUE	10/01/2005
:ed Scientific Strategies Toward Better Solid-State Lighting of Phosphorescent OI	FALSE	
sion Thermoelectric Coolers	TRUE	02/20/2006
D Development	FALSE	
›r Theroelectric Power	TRUE	01/23/2006
Textile Sensors for Stress Measurement in Soldiers	FALSE	
onics for Combat Search & Rescue	FALSE	
This project is envisioned as the first part of a multi-phased ì collaborative effort to develop a complete		
Program -Maryland - Viashal Shah	FALSE	
Program -Colorado - Viashal Shah	FALSE	

wered Centralized Power Source for Nano Devices FALSE
ent of Pulsed Coils for Metal Detection for Use in Veroscan on Nothing Left Behin FALSE
This project will improve student learning and achievement by ì developing an interactive web-based d
Our long-term goal is to develop a nationally available fully automated web-based diagnostic syst
The objective of this project is to provide funding for two 1-day tutorial workshops to be held in su
D TRAINING WORKSHOPS FOR MATHEM ATICAL PSYCHOLOGISTS
NG KDC TIME SERIES ANALYSIS OF TEXT RECALL Y
the 2006 Meeting of the Society of Mathematical Psychology TRUE 06/22/2006
Cell density-dependent gene expression, termed quorum sensing, ì has recently been recognized as a
This supplemental grant will support two undergraduate s UG
Cell density-dependent gene expression, has recently been ì recognized as a wide spread phenomenc
The project goal will be to identify the structure of the N-Acyl homoserine lactone(AHL)-mimic con
In this project, some of the questions we aim to answer include the elucidation of the signaling m
In our lab, we study the nitrogen-fixing symbiosis between the leguminous plant Medicago sativa
The overall goal of this research is to determine the role that quorum-sensing plays in the well ch
We have obtained strong evidence that alfalfa indeed produces AHL-mimic compounds. These
THE SYMBIOTIC RALTIONSHIP BETWEEN THE NITRC T T
ensing in Sinorhizobium Meliloti TRUE 06/24/2005
f Exopolysaccharides in the Sinorhizobium Meliloti/Alfalfa Symbiosis FALSE
ensing in Sinorhizobium meliloti FALSE
oplysaccharides in the Sinorhizobium Meliloti/Alfalfa Symbiosis TRUE 07/25/2005
ensing in Sinorhizobium meliloti TRUE 02/23/2006
zation of Potential Anti-Bacterial Quorum Sensing Interfering Compounds FALSE
ASM Travel Grant for Luciana Rinaudi TRUE 07/28/2006
The major goal of the project is to understand the mechanisms by which homozygous sickle cell (SS)
In this project, we want to determine whether spectrin turnover in erythropoietic cells is based on
Building upon the existing Academ W RM UG G
Store operated Ca2+ Entry: Lung Endothelial Permeability
Defective Spectrin-Ubiquitination in Sickle Cell Disease
Spectrin's Chimeric E2/E3 Ligase Activity on Brain and Muscle Function FALSE
Two hallmark lesions present in brains of Alzheimer's diseased (AD) patients are the senile plaqu
The general goal of this project is to understand the structural basis of NFT formation so that inhib
The general goal of this project is to prepare peptides, homologous to tau sequences, which are a
In the past development of electrodes with attached enzymes and cofactors has encountered diff
Contrasts Agents for Diagnosis of Alzheimers FALSE
of Amloidogenic Peptides FALSE
Contrast Agents for Diagnosis of Alzheimer's Disease FALSE
Factors Governing the Formation of Amyloid FALSE
Zinc Imaging in the Brain FALSE
Aloe Polysaccharide in Pharmaceutical Samples TRUE 05/19/2006
The teacher will participate in all the research activities (to ì distinguish from the activities of administer
Ms. Bodner will be trained and participate in advanced research activities involving documentatior
Proteins that bind to DNA in cells are important in many ways. ì One type of protein binds to separate s
Single-stranded DNA (ssDNA) binding proteins that bind cooperatively are ubiquitously involved in
The Escherichia coli filamentous Ff viruses produce a protein, the G
The goal of this project is to use isothermal titration calorimetry (ITC) to investigate thermodynamic
We are studying antisense oligodeoxynucleotide (ODN) drug molecules, which are DNA oligomers tl
The DNA genome of cells is a helix with two strands. In the course of replicating such a double-s
A major long-term objective is to identify the genetic locations of preferred binding sites of single-
THE SINGLE-STRANDED DNA BINDING PROTEINS (SSDBPS), T
Preferential Binding of Replication Protein A FALSE

Preferential Binding of Replication Protein A	FALSE	
'-Based Exposure Assessment for Urban Metals	TRUE	09/20/2005
In the NSF project "Dynamic Data Structures in Advanced Programming Languages Implementation		
In this project we will use Horn Logic, and eventuallly constraints, to express structural operationa		
VoiceXML and webbases are two recent technological developments that offer a promising avenue f		
In the NSF project "Non-visual Browsing of the World Wide Web: Tables, Frames and Forms" (HF		
We will develop general techniques and tools based on the integration of VoiceXML and webbases,		
In this project we aim to develop a scalable parallel tabled LP system that is both space efficient		
The goal of this project is to explore the role of formal semantics in reliable sofware construction.		
This project seeks to complete the ongoing implementation of AudioRover, a system that integrat		
This multidisciplinary, multi-institutional ITR project aims to develop an Engineering Framework fo		
IN THIS AMBITIOUS, 2PHASE, 36 MONTHS PROJECT WE WIL T		
E-PLAN IS HIGHLY SECURE, WEB-BASED SYSTEM F T T		
ration Logic Programming	FALSE	
ent of a Multi-site Teacher's Center of Excellence for Teaching Disabled Students	FALSE	
ent of a Multi-site Teachers' Center of Excellence for Teaching Disabled Students	FALSE	
ent of a Multi-site Teachers' Center of Excellence for Teaching Disabled Students	FALSE	
The project will express, isolate and characterize the enzyme from human and mouse brain that is		
The research project will produce inhibitors of the production of 24-hydroxycholesterol by CYP46.		
The vast physiological (and pharmacological) significance of cyto G		
Characterization of a Natural Prokaryotic Fusion of Cytochrome F G		
Chemists and nanotechnologists are rapidly generating novel examples of molecular switches ba		
g an Efficient Cholesterol Hydroxylase from a Highly Active Fatty Acid Hydroxylas	TRUE	04/06/2005
ıcer Metastasis is Directed to Sources of 24S-Hydroxcholesterol and 26-Hydroxy	FALSE	
The researchers in this project plan to build a system that will routinely combine the complementary d		
ross Polar Cap Potential Saturation During Superstorms with Applications for Spa	FALSE	
a	FALSE	
es LWS TR&T: Sub-Auroral Polarization Streams Effects on the Ionosphere and	FALSE	
e Cross Polar Cap Potential Saturation and Sub-auroral Penetration Electric Field	FALSE	
	FALSE	
ross Polar Cap Potential Behavior During Storms and Superstorms Using DMSP	FALSE	
onjugate polar ionospheric storm response during typical and extreme solar wind	FALSE	
lysis of Low and Middle Latitude Ionosphere and Thermosphere Gradients	FALSE	
zation of Ionospheric Processes in Relation to Ionosphere-Magnetosphere Plasm	FALSE	
Neuroimaging of Musicians During Auditory Imagery	TRUE	08/31/2005
eech System Research for: Dialect, Speaker Recognition, and Normalization	FALSE	
eech System Research for: Dialect Modeling and Recognition	TRUE	
eech System Research for: Dialect Modeling and Recognition	FALSE	
art Car Project	TRUE	03/15/2006
Transcription Research & Support for the Colaborative Digitization Program (CDF	TRUE	07/06/2006
In this project, the method of deriving pragmatic knowledge builds upon our usage of lexico-semantic		
THE DRIVING RATIONAL FOROUR APPROACH IS THAT ANAI T		
JAINT Program Phase 2: AQUINAS: Answering Questions Using Inference and A	TRUE	09/23/2004
Questions Using Inference and Advanced Semantics (AQUINAS)	FALSE	
Due to steady and significant growth of its student body space on the UTD campus is at a premiu		
THE AIM OF THOS PORJECT IS TO DEVELOP A PROGRAM TO HELP EMERGENCY RESPOND		
THE AIM OF THIS PROJECT IS TO DEVELOP TRAINING MATERIAL TO HELP EMERGENCY RE		
ed, Peer to Peer Architecture for ICS Role Based, Unified Incident Command and	FALSE	
the Study of High Consequence Event Preparedness and Response	FALSE	
Response Information System (E-Plan)	TRUE	01/05/2006
lth Analytics System Information Technology (TxHASIT)	TRUE	09/01/2005

Benchmarking Metrics Research	FALSE	
The purpose of the project is to obtain experimental and real data to test the predictive and explar		
IN THE PROJECT WE PROPOSE TO CONTRUCT AND STUDY T		
Determined Multi-Attribute Auction: Theoretical and Empirical Characterization	FALSE	
and Laboratory Investigation of Contraction in Supply Chains	FALSE	
PHASE II: Fusing Rich Information Extracted from Multiple Media and Language	TRUE	06/20/2006
This project will provide services for the Air Force Research ì Lab/VSPB (AFRL). UTD will furnish pre-l		
The University of Texas at Dallas will participate in SuomiNet, a ì program to establish and operate a n		
The upper atmosphere is a highly dynamic region affecting the orbital properties of large space ve		
In this project we describe an approach to design and fabricate thermal plasma instruments to pro		
In this project we describe an approach to design and fabricate thermal plasma instruments to pro		
A recent study has shown that the amplitude of the MHD turbulen G		
VARIATIONS IN JOULE AND PARTICLE HEATING PRODUCE S T		
velopment in the Space Sciences	FALSE	
Launch Support for DMSP SSIES-3	FALSE	
Field Instrument (EFI) for the SWARM Mission	FALSE	
Field Instrument (EFI) for the SWARM Mission	FALSE	
lds in the Ionosphere and Inner Magnetosphere	FALSE	
VxO for S3C Data for the Ionosphere-Mesosphere-Thermosphere Community	FALSE	
c Monitoring and Specification	FALSE	
	FALSE	
c Dynamics Associated with Large-Scale Density Gradients	FALSE	
The analysis of the data obtained by the CPI instrument of the University of Iowa on the GEOTAI		
heric Research Using Chest	FALSE	
with Cluster Data	FALSE	
e Carbon Protection Layer of Hard Drives	TRUE	01/18/2006
This project will be funded by the Texas Space Grant Consortium ì and involves Dr. Jim Jordan of Lam		
The goal of the Human Exploration and Development of Space (HEDS) ì Program is to plan and initiate		
The Michigan Technic Corporation's (TMTC) and a group of ì sub-contractors plan to develop an electr		
A long-standing goal in the field of space exploration is to improve the specific impulse and mass f		
The project's goal is the development of a laser that can be used to locally heat a rock or mineral		
The project requests funds for the development of several aspects of the mass spectrometer that will		
This proposal requests funding for the development of a nanosatellite system for the purpose of test-		
UTD will supply a mass spectrometer instrument that will be coupled to the Thermal and Evolved		
This proposal requests funding for the development of a cubesat package for the purpose of testing		
Portable Mass Spectrometer is designed for the real time direct almost permanent autonomous in-		
THE OVERALL MISSION OBJECTIVES ARE TO: 1. ASSES EXOBIOLOGICAL POTENTIAL OF MA		
THE CONTRACT SHELL DESIGN, DEVELOP , TEST, AND DELIVER TO NASA LaRC A MASS SF		
Development MXER Hydrid Tether	FALSE	
trometer Experiment for Lunar Volatile	FALSE	
enus Aerostatic-Lift Observatories for in-situ Research	FALSE	
This project will investigate the efectiveness of different ì anti-drug strategies and their consequences c		
f Parent's Restrictive Feeding Practices and General Parenting Style in Children's	TRUE	09/21/2005
Effect Microfluidic Device for Reversible DNA Immobilization and Nano-Patternir	FALSE	
Storage High Density	FALSE	
Cell Growth on Biomimetic Multi-Level Nanoscale Polymer Scaffolds	FALSE	
Organic Light Emitting Diodes for Near-Field Biosensing	FALSE	
ing between cosmic acceleration due to dark energy and acceleration due to moc	FALSE	
New Computer Programs and Analyzing Recent Astrophysical Data within New	FALSE	
new Computer Programs and Analyzing Recent Astrophysical Data Within New	FALSE	
New Computer Programs ans Analyzing Recent Astrophysical Data within New	FALSE	

'anced Cluster of Computers for Theoretical Physics and Astrophysics Computati TRUE 07/06/2006
›n of Cosmological Physics and Constraints using Models that are more General FALSE
›n of inhomogeneous cosmological models of the universe that are more general FALSE
This project will undertake: 1) more courses developed for ì delivery via distance education technology
This proposal requests funds to attend the meeting "Quantitative ì Challenges in the Post-Genomic Se
The goal of this research is to understand cell energetics (the ì cellular metabolic processes related to
The goal of this project is to develop mathematical techniques and tools for modeling and analyzi
The rapid pace of suburban sprawl has been increasingly ì identified as a principal source of inner-city
This project will complete a new empirical study comparing ì outcomes for American children and teen
The spatial context of poverty plays a large role in the quality of life and economic mobility of the
In 1997 the U.S. Congress enacted the State Children's Health Insurance Program, the single la
TRUE 06/29/2006
Children with sensorineural hearing impairement have sufficient ì residual hearing to use hearing aids
Many children with sensorineural hearing impairment have sufficient residual hearing to use heari
Our long term goal is to understand how word representations and processes develop in normal
Our goal is to explicate the development of word representations and processes in children with
This research project and its results are targeted towards the ì development of WDM-based network in
Recent advances in optical transmission technology and wavelength division multiplexing (WDM) sys
The project will investigate the feasibility and suitability of photonic packet-switched networks for s
›: Collaborative Research: Service-Oriented Optical Networks FALSE
This study investigates the structural basis for the regulation ì of apoptosis (programmed cell death), fo
In Drosophila, apoptosis (programmed cell death) is regulated by ì interactions between IAP (Inhibitor
This project investigates the structural basis by which the ì apoptosis stimulatiors Reaper and Grim bin
This study investigates the structural basis for the regulation of apoptosis by examining how a me
This study investigates the structural basis for the function of proteins that regulate apoptosis in th
This study investigates the structural basis for the function of proteins that regulate apoptosis in t
This study investigates the structural basis for the function of proteins that regulate apoptosis in D
Underlying the scheme of apoptosis regulation are multiple protein-protein interactions and potent
This project investigates the structural basis for the activity of a conserved group of proteins that re
This project investigates the structure and function of a group of interacting proteins that regulate
This proposal investigates the structure and mechanism of a group of interacting proteins that re
This proposal investigates the structure and mech- anism of a group of interacting proteins that reg-
Apoptosis normally eliminates unneeded cells during development and can be invoked in cells th
Specific Aim 1 addresses how BIR1 domains regulate IAP function. This proposal will test if BIR1
Specific Aim 1 addresses the function of BIR1 domains in IAPs. This proposal will test if BIR1 do
Apoptosis proteins: potential therapeutic targets in motor neuron diseases
THIS PROPOSAL INVESTIGATES THE STRUCTURE AND FUN CTION OF A GROUP OF INTERA
CHARACTERIZATION OF APOPTOSIS PROTEINS AS THERAPEUTIC TARGETS IN CANCER
Mechanism for Capose FALSE
New Mechanism of Capase Activation in Apoptosis FALSE
This grant will enable us to develop a detailed proposal for a ì multi-year program that would provide e
One controversial aspect of school reform is whether or not ì parents are good consumers of schools.
This proposal is for a three-year $348,000 grant to complete our Mellon funded research on minority
If funded, this proposal would provide three-years and approximately $1.1 million of core support for
tributed Computing for Open Grid Environment FALSE
:quilibrium Behavior in Adversarial Learning FALSE
The long-term aims of this research are to develop a new method ì for treating speech and nonspeech
The long-term aims of D W RM U G
The goals of this proje D W
:k Treatment of Apraxia of Speech Following Stroke FALSE
The ultimate goal of this project is the development of a ì non-invasive tool to lower the number of beni

A Content-Indexed Image Database of Cetacean Fins.		
The ultimate goal of this project is the development of a non-invasive tool for early detection of sk		
This subcontracting work addresses the problem of ì photo-identification of marine mammals. The		
This work will involve a study to examine the feasibility of using the TI OMAP platform for nighttin		
THE ULITIMATE GOAL OF THIS RESEARCH PROJECT IS TO [T		
A STATISTICAL METHOD TO SYNTHESIZE MAMMOGRAMS. T		
ality	TRUE	01/06/2005
Non-Rigid Registration of Functional to Anatomical MR	FALSE	
Based Identification of Biota from Field Photographs	FALSE	
ent and Validation of Registration Software for Functional Imaging	FALSE	
The collaborators in this project will undertake a cooperative ì effort to promote a student-centered, No		
The purpose of this grant is to fund the first annual University ì of Texas at Dallas (UTD) Gender, Glob		
This innovative project develops a strategy for recruiting, ì retaining, and enabling Hispanic students to		
This project will develop and disseminate an innovative global ì Certificate Program on Gender, Global		
The purpose of this grant is to fund the planning and ì implementation of the first annual University of T		
In this project we will include an effective algorithm, called top-do G		
An ontology is a collection of concepts and their ì interrelationships, G		
The characteristics of RDF, and the property of being graph-structured (i.e. a collection of nodes)		
Our system focuses on anomaly detection. In this research we would like to propose a scalable		
TECHNOLOGY IN THE FIELD OF DIGITAL MEDIA GEN T T		
WHEN AN INTRUSION OCCURS THE SECURITY OF T T T		
for Automated	FALSE	
A Framework for Ontology-based Concept Detection and Access Control for Ima	FALSE	
THE NEED FOR HIGH-SPEED ACCESS HAS STEADILY GROWN T		
This proposed applied research project involves the development and implementation of a perfor		
The long-term goal of these experiments is to identify the ì principles of experience-dependent plasticit		
Autism is characterized by stereotyped patterns of behaviour, and impairments in social interaction		
Our present knowledge of the mechanisms that create and maintain stable representations of ser		
Autism is characterized by impairments in social interaction, disorderd communication, repetitive		
In this project the perceptual consequences of cortical plasticity in rat audiotry cortex will be evalu		
The objective of this proposal is to define the distributed response of mammalian auditory cortex		
n of Spectral and Temporal Coding in Auditory Cortex of Awake and Anesthetize	FALSE	
s between fast and slow time scales of plasticity in auditory cortex	FALSE	
asticity and Processing of Speech Sounds	FALSE	
asticity and Processing of Speech Sounds (Supplement of R15DC006624)	TRUE	05/15/2006
asticity and Processing of Speech Sounds	FALSE	
Gate Stack Capacitor Applications	TRUE	10/10/2005
of Electrical Conductance of Stand-Alone Metal Oxide Nanotubes	FALSE	
INTEGRATED CIRCUITES (IC's) FABRICARED WITHIN T T		
AN INTERDISCIPLINARY, MULTI-DIMENSIONAL, UNIVERSITY-B T		
THE UNVISERSITY OF NORTH TEXAS (UNT) IN COLLABORA T		
ctions in Nano-Photonics: Exploring Giant Anisotropy of Photonic Crystals	FALSE	
ent of Electron Beam Lithography-Based Nanowire Sensors	TRUE	06/30/2005
anophotonic Emitters Based on Wide Bandgap Plasmonic Structures	FALSE	
al Research Collaboration on Nanotechnology	TRUE	08/26/2005
Development for Neuro-Microtransponders	FALSE	
and Defect Analysis: CdTe/Si System	TRUE	10/01/2005
cterization of Si CMOS Devices with STI Structures: Phase I	TRUE	02/01/2006
ent of Novel Fabrication-Relevant 3D Nanometer-Scale Reference Metrology Ten	FALSE	
for 3D Repair and Nano-CAT Scan Volumetric Imaging	FALSE	
Nano Electro-Mechanical Device Project	TRUE	02/15/2006

HgCdTe IR Sensors: New Hybrid Substrates and Nano-characterization of Defec FALSE
composite Magnets by Warm Compaction FALSE
The University of Texas at Dallas (UTD) and the University of ì Guanajuato (UG) will co-sponsor a Bina
Three four-day seminars on amrican history topics beginning and ending June 2003. Seminars will
erican History FALSE
Function in Pathological Gambling: Attention, Working Memory and Arousal FALSE
the Peasant Agricultural Adaptation. FALSE
Bangladesh Peasant Agriculture: Pluralism and Adaptive Instability FALSE
This project will focus on teacher/scientist communication, ì construction of knowledge through manipu
The objectives of this research are to develop novel integral passive devices and integration techı
Research goals for the five-year NSF program are: 1. Development of micromachined three-dimensic
A multidisciplinary study is proposed to design, fabricate and characterize 3D photonic crystal (P
Specific developments within this project include: detailed characterization and modeling of the ph
This proposal is aimed at the development and demo -nstration of new tunable nono-electronic devic
IT IS PROPOSED TO CONDUCT AN EXPLORATORY F T T
nvasive Electrical Bioimpedance Probe for Skin Cancer Detection FALSE
ve Research: CMOS SOC UWB Transceiver with Integrated MEMS Passives anc FALSE
ve Research: MEMS-Controlled Widely Tunable Multi-Spectral Nano-Photonic Cı FALSE
lar Cells Based on Nanostructured Metal Oxides FALSE
grated Active Nanophotonic System for On-Chip Cancer Detection FALSE
bling Imaging Devices for Cell Based Therapy FALSE
borative Research: Integrated Wireless in Situ Environment Sensing System FALSE
bling Imaging Devices for Islet Cell Based Therapy FALSE
bled Microcapsules for Islet Encapsulation FALSE
o-Transponders: Wireless Neural Control for Artificial Arms and Hands FALSE
ion Research for Regional Mobility Initiative TRUE 05/05/2006
PROBLEM WITH HUVENILE JUSTICE INTERVENTIONS FOR FEMALES EXIST BECAUSE OF "G
the Administration of Justice in Twelve Native American Communities. FALSE
DNA repair systems recognize a multitude of lesions in DNA, ì including bulge defects, nonhomologous
The overall goal of this project is to develop a detailed ì understanding of the common mechanistic fea
The overall aim of the project is to investigate the properties in superhelical domains of several de
Telomeres are nucleoprotein structures present at the ends of eukaryotic chromosomes. Telomeric
Acquisition of a Transmission Electron Microscope for the UT-Dallas Center for Biological Nanoir
THE TARGET OF MANY DNA-BINDING LIGANDS SUC T T
able DNA-based Sensor Technology FALSE
alysis of DNA Recombinases and Related Proteins FALSE
alysis of DNA Recombinases and Related Proteins FALSE
Dependent Unwinding in Superhelical DNA FALSE
This project seeks to develop a national model for a fie UG G
Analysis of groundwaters interacting with kimberlites, New Liskea G
The main goal of this project is to develop appropriate graphical e G
The goal of this research is to implement in VLSI a model of ì motion detection based on the fly visual s
The goal of this research is to design and implement in VLSI a neuromorphic motion processor th
The PI will work in the area of on-chip adaptive self-compensating analog and mixed signal integr
The purpose of this project is to form a relationship between The University of Texas at Dallas (U
This project focuses on the development of new equilization techniques to design high-speed low-
The goal of this project is to detect high-speed motion that is impossible to detect by human eyes
Power Wireless Implant IC for NeuT FALSE
Annotation in NIGHTINGALE TRUE 03/13/2006
Supervised Text Mining to Discover Disease Drug Candidates FALSE
Utilizing Rich Information for Speech Summarization in Meetings FALSE

ch Republic Planning Visit: Mulitlingual Structural Event Detection in Spoken Lan FALSE
elf Employment: A Dynamic Analysis TRUE 03/01/2005
ct Study TRUE 01/03/2006
The project, jointly with Professor John Tyler at Brown University, utilizes the Texas Schools Micro
The long-term aim of this project is to improve the performance, ì in terms of speech understanding, of
Speech processors for auditory prostheses
Our first goal in this project is to determine that the state of the art speech enhancement technolo
THE SPEECH UNDERSTANDING CAPCABILITIES OF COCHLEAF T
se Control FALSE
ent of Online Laboratories FALSE
itecture Research Interface for Cochlear Implants TRUE 03/22/2006
Our long term goal is to identify Cortical circuits underlying cognitive functions. This endeavor rec
The multitude of areas in the cerebral cortex are linked by a dense web of interconnections. Acco
Many perceptual and cognitive functions are mediated by extrastriate visual cortex. The long term
In this project our long-term goal is G
The specific aim of the proposed work is to apply a battery of behavioral tasks to extend our know
The project has two parts: 1) The cortical network components selectively activated during either a
Many perceptual and cognitive functions are mediated by extrastriate visual cortex. The long- ter
The long-term objective is to develop models of dynamic interactions in cerebral cortical networks
FOCUES ON THE MECHANISMS BY WHICH THE N T T
THE LONG TERM GOAL OF THE PROPOSED WORK I T
OUR LONG-TERM GOALIS TO UNDERSTAND AND DE T T
OUR LONG TERM GOAL IS TO UNDERSTAND AND DI T T
THE DEVELOPMENT OF FUNCTIONAL MAGNETIC RESONANCE T
ontrol of Aurally Mediated Behavior - RET Supplement FALSE
ACTIVE ELETRONICS FILTERS ARE THOSE WITH GAIN ELEM T
cal Fibers and Photonic FALSE
sed Array Antenna FALSE
zation of Active Optical Fiber-based True Time Delay Module FALSE
nic Couplers for Large Scale Integration FALSE
Optically-Driven Spin Precession Magnetometer for ASW: Laser Nose Reduction FALSE
Optical 2D Lattice of Nano-photonic Cavities for Reconfigurable Laser Sensors FALSE
tonic RF Front-End Technology FALSE
ent of a Photonic Integrated Circuit Based Photonic True Time Delay TRUE 08/22/2005
ntegrated Circuit for Quantum Encryption FALSE
Photonic Circuitry FALSE
hase Locked Loop FALSE
ent of a Photonic Integrated Circuit Based Photonic True Time Delay FALSE
ntegrated Circuit for Quantum Encryption FALSE
Photonic Integrated Circuit for High Speed Signal Processing and Quantum Cor FALSE
logical Correlates of Imageability and Grammatical Class Development FALSE
tronic Sensors FALSE
THE REMOVAL OF LEAD FROM GASOLINE AND THE ELIMIN- ATION OF SOLDERED CARHAS
In Texas, children of Hispanic heritage comprise approximately ì 38% of all elementary and secondary
This project will undertake the expansion of the CDI Scoring Program to incorporate additional ve
In many states, children of Hispanic heritage comprise approximately 38% of all elementary and s
In Texas, children of Hispanic heri W
t of In-cell Integration in the California Prison System TRUE 11/07/2005
INTERAGENCY COOPERATION CONTRACT.
of Tuition on 2 Year College Enrollments FALSE
of Tuition on 2-Year College Enrollments: A Regression-Discontinuity Approach FALSE

ıdrance? A Quasi-Experimental Evaluation of College Remediation FALSE
: Value of Cum Laude? An Application of the Regression-Discontinuity to Latin H TRUE 05/12/2006
ıdrance? A Quasi-Experimental Evaluation of College Remediation FALSE
Gas hydrates contain a major untapped source of energy, and so are of potential economic impo
The project extends full-wave inversion, of seismic data over gas hydrate deposits, from single- to
THIS PROPOSAL IS FOR DEVELOPMENT,TESTING A| T T
rence Modeling of Viscoelastic Waves in Media with Orthohombic Symmetry FALSE
hly Efficient Algorithm for 3-D Velocity Analysis for Imaging of Oil and Gas Reser FALSE
n Sedimentology FALSE
Kauffman Entrepreneur Internship Program. UG
The teacher will join an active research group in which ì acid-base, redox, and coordination chemistries
Colorometric and Fluorescent Diagnostics for Industrial Mixing Processes
Two important areas will be the primary focus in this project: (1) quantitative reaction-based fluore
ONE OF THE MOST COMMON REASONS FOR FAILURE OR SUB- STANDARD PERFORMANCE
THE OBJECTIVE OF THE PROPOSED RESEARCH IS TO DEV- ELOP A NOVEL AND MUCH MOI
Workshops in the Chemical Sciences TRUE 07/05/2005
The purpose of this project is to conduct research on measuring the financial return from enterprise
The PI's goal in this project is to increase the efficiency of the Information Retrieval systems by m
3Tech Corporation will allow students from the Computer Science ì G
We will demonstrate the feasibility of using natural language processing (NLP) tools to analyze in
Visualization and Simulation of Large-Scale Distributed Multi-Agent Systems
Some of the DNA in eukaryotic cells is found outside of the ì nucleus in the cellular organelle, the mitoc
The general goals of this research are: (1) to assay the prevalence and distribution of this unique t
Understanding of the Effects of Positive and Negative Interpersonal Reslationship FALSE
This project addresses fundamental and major issues in OFDM technology in the light of future w
OFDM HAS EMERGED AS ONE OF THE KEY TECHNOLOGIES FOR FUTURE WIRELESS COMM
and Cognitive Signal Designs and Processing FALSE
Signal Designs and Algorithms Towards Cognitive Radio Systems FALSE
-Agile Integrative Broadband MIMO Signal Designs and Processing. FALSE
igns and Algorithms towards Cognitive Radio Systems FALSE
Properties in Dynamic Distributed Systems FALSE
ork for Developing Applications for Peer-to-peer Dynamic Distributed Systems FALSE
Algorithms for Dynamic Distributed Systems Based on Partial-Knowledge FALSE
The major objective of the ODP Leg 201 was "to investigate the nature and extent of microbial ac
The proposed investigation of samples from Leg 201 is related to the results previously obtained on
The Text Mining can help the telecommunications industry with marketing, customer support, produc
We propose to study and develop techniques for the automatic discovery of semantic relations in tex
THE AUTOMATIC IDENTIFICATION OF SEMANTIC RELATION IN TEXT HAS BECOME INCREAS
The University of Texas at Dallas (UT Dallas) Mother-Daughter ì Program will provide a person, impler
The Science Education Department at University of Texas at Dallas ì (UTD) will expand the educationa
The UTD/Mesquite ISD Integrated Physics and Chemistry Program
We have applied spatial econometrics to examine the impact of the ì dispersion of a negative externali
The objective of this research is to assess the gains from ì incorporating spatial dependence in traditio
An important aspect of research underlying U.S environmental ì policy is concerned with the precise m
INTERIM OUTCOMES REPORT
Our project has the mission to increase Panama's capacity to utilize spatial information technology
Create a Data Resource for the Scientific Study of Waste, Fraud and Abuse in F TRUE 07/19/2005
s Research Initiative FALSE
The acquisition of a transmission electron microscope (TEM) and ì an environmental scanning electror
The objective of the project is to develop high performance polymer-based membranes for the se
We will investigate in this project the STM contrast of real world materials whose use has been re

THE OBJECTIVE OF THE PROPOSED RESEARCH IS ˙T T		
?robe Microscopy of Peptide-Wrapped Single-Walled Carbon Nanotubes	FALSE	
Technology Program--Supplemental Grants for High School Science and Math T	FALSE	
˙unneling Microscopy and Atomic Force Microscopy of Peptide-Coated Single-W	FALSE	
oaded Polymer Micelles as Ultra-Sensitive MR Molecular Probes	FALSE	
?esearch Agreement - Maulik Singhal	TRUE	05/15/2006
?ntity Information from Textual Data Sources	FALSE	
Knowledge-Rich, Date Intensive Coreference Resolution	FALSE	
Simulation Studies of the Aggregation and Biocompatibility of Surfactant Encapsu	FALSE	
Adsorption and Self-Assembly at Soldi/Liquid Interfaces	FALSE	
TIME (Time|Information|Technology|Expectation) for Teaching and Learning will give grade 6-12		
ıs	TRUE	04/26/2005
It is known that communication in fading channels can benefit from multiple antennas. Widely known		
Upcoming video communications applications, e.g. video on wireless, must operate on hostile cha		
This research develops new strategies and algorithms that benefit ad-hoc as well as cellular netw		
The idea of simple, lean multimedia decoders is the unifying theme of the different components of		
Opportunistic Communication	FALSE	
anced Coding for Resilient Packet Header Compression	FALSE	
ethods and Algorithms for Resilient Packet Header Compression	FALSE	
We will use a systematic methodology to model and test signal integrity on deep-submicron high-spe		
Built-In Self-Test for Signal Integrity in Gigahertz SoCs		
The five-year project consists of four major tasks: Task 1 - Various signal integrity problems oc		
This two-year project consists of two major tasks. In Task 1, we define a test architectural model a		
This two-year project consists of two major tasks. In Task 1, a unified integrity fault model is deve		
havioral Variations in Nanometer Technologies: A Frequency-Domain Approach	FALSE	
liance for the Advancement of Minorities in Computing	FALSE	
The aim of the project is to study several system theoretic problems that have arisen in various ap		
The overall objective of this multidisciplinary bioengineering project is to provide important additio		
Molecular Analysis of Tcell recognition in EAE		
The overall goal of this proposal is to add to the available methods for the analysis of single mole		
THE OVERALL GOAL OF THIS STUDY IS TO IMPROVE THE C T		
ıce Microscopy of Immunological Samples	FALSE	
ıce Microscopy of Immunological Samples	FALSE	
y Cooperation Contract	TRUE	09/01/2006
People recognize faces of their own race more accurately than ì faces of other races. The other-race e		
The "other-race effect" refers to the well-known finding that ì people recognize faces of their own race r		
The work for Phase I is divided into two parts. In first part, we ì will develop a targeted data base of per		
ntification from Video with Multiple Biometric Cues	FALSE	
We will study and test a TiN etch process for specialty ì substrates. We will perform approximately 12 e		
The objective of this project is to design: build and test a plasma source that has the capability to		
erature Manufacturing	FALSE	
ıpport for Optical Emission Spectroscopy of Feed Gas Injection	TRUE	09/14/2005
The goal of Phase 3 of the NICHD Study of Early Child Care is to extend a collaborative, prospec		
The Phase II design involves stud W		
This is an application ot extend the NICHD Study of Early Child Care and Youth Development into its		
UTD will participate in the "Family and Friends Relationships in Adolescence" R01 study from the		
ip Centered Child Care and the Development of Children in Poverty: School Adju	TRUE	
ıprehensive Approach to Reading Excellence Skills (CARES)	FALSE	
d Change in Attachment and Social Functioning, Infancy to Adolescence	FALSE	
ıs for STAT3-Mediated y-Gene Silencing	TRUE	09/16/2004
?pigenetic Modifiers of Fetal Hemoglobin Synthesis	TRUE	08/08/2005

tage as Predictors of Sickle Cell Disease Severity FALSE
Disease Research Center (SCDRC) Summer Institute/Mentoring Program FALSE
ıs for Stat 3-Mediated Gamma Goblin Gene Silencing (Supplement) FALSE
obin Induction: Molecular & Cellular Based Strategies FALSE
Biomedical Acoustic Signal Processing in Uncertain and Restrictive Environments FALSE
Biomedical Acoustic Signal Processing in Random Environments (ASPIRE) FALSE
ust Security Breaching Noise Detection and Tracking FALSE
curity Breaching Noise Detection and Tracking FALSE
Nanotechnology enables the fabrication of material structures and devices having molecular dimens
The chemical architecture of a variety of (sub)micrometer-sized patterned functionalized-silica surface
This project presents a new chemical sensor format su U G
This project is designed to further develop our new pr U G
Recently, our laboratory developed surface modification chemistry involving organosilane functio
r Molecular-Nanotube Complexes FALSE
Strategic Choices During Institutional Transitions TRUE 08/16/2005
STARTech will allow students from the Management Program at The G
JC PENNEY will allow students from the Social Sciences at The University of Texas at Dallas to parti
STARTech will allow students from Management program at The University of Texas at Dallas to
Incucomm will allow students from the Management program at The University of Texas at Dallas to
Raytheon, TI Systems will allow students from the Computer Science program at The University of Te
This Project focuses on the Khoy Ophiolite of northwestern Iran. The Khoy Ophiolite is one of the larg
The objective of the proposed research is to develop a high-resol G
The entrepreneurship program will be developed over three years. The first year will be devoted
s in Agriculture FALSE
on of an Integrated Network of International Programs and Degree Offerings FALSE
In this project, one of c D
etrieval, and Delivery of 3D Models and Multi-attribute Motion Data. FALSE
Technology Training for Award Solutions.
The goal of this research is to develop a complete understanding of the spatial aspect of distributed
With wireless acess to the Internet gaining rapid momentum, next generation (digital) networks are
This SBIR proposes the development of Self- configuring Hub-less Wireless Networks (SHWN) that
uring Hubless Wireless Networking: RFID Networking on Ships TRUE 09/30/2004
We will extend the study of model carbonated lherzolite melting in the CMAS-CO2 system to high
The proposed research is a quantitative determination of the melting relations along the solidus c
Ridge Basalt Petrogenesis: Melting of Model Lherzolite in the Ca0-Mg0-A12-O3· FALSE
The goal is to build an integrated geospatial information system that will provide those in position
NASA EOS Higher-Education Alliance: Mobili RM
ehavioral and Lifestyle Risk Factors for Type 2 Diabetes in a LRGV TRUE 10/11/2005
The goal of this project is to develop efficient algorithm U
Approximation algorithms have received consider- able attention in the last several years since th
on Problems in Network Design FALSE
This project aims principally to develop i) numerically inexpensive techniques for the fundamental pro
This project aims to study some fundamental problems in quantum control. If the research is suc
The proposed project will study some mathematical questions in the engineering of quantum mecha
QUANTUM COMPUTER SCIENCE M ENGINEERING AND QUANT T
Mathematical FALSE
Matrices in Quantum FALSE
ve Research: FRG: Mathematical Research in Quantum Computation & Technol FALSE
The long-term objectives of this research are to analyze the pathways of nitrogen metabolism, their re
Pseudomonas aeruginosa is an opportunistic human pathogen that synthesizes a variety of virulence
This project focuses on one aspect of bacterial genome projects, gene function in the model seque

The first objective is to complete the genetic analysis. Insertions and in-frame deletions will be pl
This is a request for a supplement to pay for the salary of Ms Kristen Evaul after she graduates c
THE LONG-TERM OBJECTIVE OF THIS RESEARCH T(T T
ıs of Metabolic Integration FALSE
ıediated oxidative stress FALSE
This project will: I. Establish or strengthen comprehensive programs ì offering services to victin
We currently have one officer deployed with the US Army for 365 days as of January 27, 2003. He ı
on, Policy Networks and Emergency Preparedness in American Schools FALSE
on, Policy Networks, and Emergency Preparedness in America's Schools TRUE 06/29/2006
This program will educate health care providers, families and ì students on the methods, resources an(
This will support reading and accompanying storage materials for young children in the preschool
The project will study The Effects of the Welch Allyn Ear Wash System on Hearing by the Measur
This project aims at improving early access to appropriate health care for infants newly diagnose
Grantee will use funds to purchase playground equipment for the Callier Preschool.
Anatomic and Functional Connectivity in Autism Spectrum Disorders FALSE
Anatomic and Functional Connectivity in Autism Spectrum Disorders FALSE
MSAS North American Logistics will allow students from the ì Management program at The University
STARTech will allow students from the Management program at The ì University of Texas at Dallas to
ve Proposal: Scaling Performance Using Configuration Decomposition and Fabri(FALSE
Drafting Dynamically Scalable Hardware Software Designs: A Path Towards Omı FALSE
DECS - Consolidated Dependable and Expendable Computing Systems for Life ' FALSE
ology Driven Consolidated Computing for Multimedia and Biometric Information S FALSE
The overall objective of this project is to develop an integrated program of research and teaching e
Next generation wireless systems are being designed to support both voice and high capacity flex
The overall objective of this project is to develop an integrated program of research and teaching
Efficient wireless systems must adapt to multihop radio environment. Thus the overall objective of
The overall objective of this project is to develop an integrated program of research and teaching
Sparse Multicarrier Techniques for Very Wideband Communications Systems
ge Analysis FALSE
A THREE PRONGED STRATEGY INTEGRATING RESEARCH AN D EDUCATION TO INCREASE
derated Overlay Network Approach for DoS Protection on the Internet FALSE
ve Research: NeTS-NBD: Internet Topology Sampling: Challenges and New Dire FALSE
)Ns: Provider Provisioned Overlay Networks FALSE
'erence 2006, Translation Review, Annotated Books Received, ALTA Website FALSE
'erence 2007, Translation Review, ALTA Newsletter and Website FALSE
This research is aimed at developing techniques for accessing and ì sharing information about the visu
Data collected by NASA can be specified in terms of many attributes, such as discretized electron
The amount of visual content in digital form has increased very rapidly in the last few years. Digit
The goal of this project is to investigate the potential applications (G
Empowerment and self-determination are important themes in rehabilitation and disability studies.
g Indigence and the Cost-Effectiveness of Financial Verification TRUE 01/10/2006
In this project it is our objective to enhance teaching, research, and outreach at UT-D and UP; de
THIS PROJECT USES FORMAL MODELING TO DEVELOP HYPO- THESE CONCERNING HOW F
imization and Circuit Hardening TRUE 10/27/2005
ısity SRAM FALSE
and Yield Optimization for DSM FALSE
Performance Digital Circuit Design and Synthesis FALSE
This project will develop concepts, perspectives, and tools leading toward a conceptually well- fou
'racticum Agreement Grant TRUE 08/30/2004
In order to synthesize systems which can be proven optimal a high percentage of the time, a rigorou
More and more ASIC chips are designed with large amount of embedded memory, especially with D

The project pursues the development of theoretical foundations, algorithmic designs, and extensive
Developing Optimization Techniques for Parallel Embedded Systems FALSE
ɔjects for Securing Embedded Systems via Efficient Hardware/Software FALSE
The proposed ITR project focuses on five research subjects. (1) Design optimization techniques for
The aim of the proposed research is to develop an objective clinic G
ɔn of Cochlear Implant Artifact in Evoked Potential Recordings FALSE
The overall project goal is to devleop NMR techniques based upon ì C-enriched tracers a non-invasive
This core research and technology development project has three components, each related to the
The goal of this project is to develop new MR imaging agents that aid in diagnosis of tumors and ir
Our goal is to establish a new paradigm for design of "responsive" magnetic resonance imaging (MR
The goal of this project is to continue developing novel NMR and isotope tracer methods to probe
In the project the the objectives of the R21 application included: (1) establish proof of feasibility fo
The goal of this project is to develop a new class a new class of paramagnetic lanthanide complexes
The goal of this research is to develop a new type of MRI contrast agent that "responds" to various
DURING THE PREVIOUS ATP FUNDING CYCLE, WE ESTABL- ISHED A NEW PARDIGM IM MRI
-based CEST Agents for Metabolic Imaging. TRUE 04/06/2005
ected Nanoparticle Targeting Tumor Vasculature FALSE
T agents: Optimization for Human MR Imaging FALSE
T Agents for Molecular Imaging of Cancer by MRI TRUE 02/21/2006
r Services TRUE 05/19/2006
Macrocyclic ligands that contain additional functionality as either an appended group or within the
The goal of this project is to develop new anticancer d U G
In this proposal, new redox-active azacrown macrocycles will be used in the coordination of trans
THE OBJECTIVE OF THE PROPOSED WORK IS THE E T T
RS CROWN:FUNCTIONAL PHENYLENEDIAM
Crowns: Fundamental Studies on Phenylenediamine-Based Macrocyclic Receptc FALSE
The prime objective of the study is to evaluate economic base of ì rural counties and highlight and ana
The foremost goal of this project is to advance state-of-the-art ì methods for modeling spatial economy
The foremost goal of this project is to advance state-of-the-art ì numerical methods and computational
This project is to develop a framework for assessing telecommunications and information infrastr
This project is to develop a framework for the study of science and technology in Appalachia. Wl
The goal of this project is to develop a model- based approach for the studying of spatial economy
ıce of Motion on Infants FALSE
tation of and Categorization of Emotional Expressions FALSE
Intense global competition in electronics manufacturing has ì compelled manufacturers to use new and
This research focuses on the development of models and efficient ì solution algorithms for a problem o
The intent of this research is to develop an overall framework, comprised of models and efficient
In this project, we use the torsional and flexural constraints of covalent closure in DNA minicircles
Telomeres are nucleoprotein structures present at the ends of eukaryotic chromosomes. Human
We will answer the following principal questions using a field ì and laboratory study of submarine volca
CITY OF GARLAND will allow students from Natural Science and ì Mathematics at The University of T
We propose to design a new lower-division science course to be taught at UTD, entitled "Geography
Testing models of neoproterozoic crustal growth in the Arabian-Nubian Shield
THIS IS A I R
ote Sensing of Geochemical Studies TRUE 09/13/2005
ıtal FALSE
uts to the Subduction Factory: Assessing Scales of Spatial Variability ***** supple TRUE 04/15/2005
ıt: Mantle Inputs to the Subduction Factory: Assessing Scales of Spatial Variabilit TRUE 08/05/2005
rican Earth Structure: The Melding of Petrologic Study of Xenoliths and Geophysi FALSE
Winter Radiative Forcing of Sturtian Glaciation FALSE
of the American Journal of Political Science TRUE 12/02/2005

SCOPE OF WORK FOR THE FIRST YEAR OF THIS PROJECT WILL INCLUDE IDENTIFICATION
This project requests funding to support the 2001 ACM Symposium on Mobile Ad Hoc Networking an
The objective of this effort is to support Raytheon in support of the contract titled "Cognitive Soft
The conference will inc D W U G
We will study the relations between phencylidine's (PCP's) effects on learning and memory and h
S Middleware Supporting Real FALSE
SS: Building High Assurance Video Sensor Networks in an Uncertain Information FALSE
Secure Distributed Computing FALSE
Collaborative Research: QoS Aware Dependable Distributed Stream Processing FALSE
ve Research: Approximating Eigensystems of Matrices Used in Spatial Analysis TRUE 12/22/2005
eographic Initiative: Managing Urban Soils and Nutrient Levels to Affect Water Q FALSE
Equipment will be installed at the Summit Station, Greenland, to ì measure currents and voltage gradie
The outer atmosphere of the sun undergoes cycles of activity on a time scale of about 11 years,
The research proposed is to extend the range of applicability of calculated electroscavenging rate
Geo-electric Measurements and Antarctic Geo-electric Data Analysis FALSE
FALSE
The overall purpose of this project is to explor M
This project will involve the following three tasks: TASK 1: Demonstrate efficacy of TI DSP chip ba
The overall aim of this D
The overall aim of this D W RM
Motor Control of Serial D RM
The aim of this project D W RM
The proposed study e D W RM UG G
This application addresses the important need for pre-doctoral training in functional neuroimaging
PHARCOLOGIC ACTIVATION OF DORMANT CORTEX IN THE RESTORATION OF SPEECH AND
ery Early Cochlear Implantation on Language FALSE
FALSE
Outcomes of Cochlear Implantation in Early Childhood FALSE
ery Early Cochlear Implanation on Language FALSE
Development after Cochlear Implantation FALSE
of Speech Capacities in Children with Varied Auditory Access FALSE
Information visualization is an emerging discipline that ì addresses the problem of communicating throu
We will undertake a project that combines cutting-edge research ì in graph drawing with novel techniqu
NovElect Corporation will allow students from the Computer Scie G
Detection of QPsk Signals in an Impulsive Noise Environment.
The PI will establish a research and education program in wideband multiuser wireless communi
The Principal Investigator (PI) establishes a research and education program in SDMA communi
B.A./B.S. in Criminolgy and Criminal Justice: An Online Completion Program
This project is based on research funded under the ONR predecessor grant "Effective Logic Comput
Mobile autonomous agents have been proposed and studied for a variety of applications in the rap
This project investigates new approaches for analyzing queries, posing clarifying questions, analy
E TOOL FOR WORD SENSE DISAMBIGUATION FO T T
In this project, we approach the general problem of resource allocation in a wholistic sense, in that
In this project, we identify several basic scheduling problems that arise in wireless networks and
This proposed research focuses on two complex scheduling problems - (i) scheduling under tran
In this proposal, we will consider four aspects of sensor networking: - Optimal Search Theory for
IN THIS PROPOSAL, WE WILL FOCUS ON SOME OF THE TEC T
: Collaborative Research: Wireless Video Networking: A Cross-Layer Approach FALSE
The primary goal of this research is to employ observational ì methods to explore the development of a
This longitudinal investigation will examine developmental ì precursors and outcomes of engaging in a
This longitudinal investigation will examine developmental precursors and outcomes of engaging

This project will examii D W		
ression: Origins, Development, and Outcomes	FALSE	
ression - Precursors and Outcomes	FALSE	
We propose to develop a comprehensive set of tests , each focusing on a major area of astronomy.		
ent of Astronomy Concept Inventories	FALSE	
e Universe into the Classroom: A Long-Term Professional Development Program	FALSE	
nip Survey in Library and Information Science	FALSE	
THE UNIVERSITY OF TEXAS AT DALLAS WILL COLLABORATE WITH UT-SOUTHWESTERN ON		
Environment Monitoring in Warehouses using Sensors and Sensor Networks	TRUE	06/13/2005
and Development of 3GE-WLAN Seamless Handover for 3GPP Evolution User E	TRUE	09/19/2005
of Plasma Structures in the Equatorial Topside Ionosphere	FALSE	
	FALSE	
This project will be a collaborative venture between Reading ì One-to-One, Dallas Reads, Trinity River		
The Reading One-to-One Program at The University of Texas at ì Dallas will provide to Yupiit School D		
The Reading One-to-One Program at The University of Texas at ì Dallas (UTD) will provide to the Wes		
gic Search	FALSE	
The goals of the project are to improve the quality of the Libraries at the University of Texas at Da		
for Extreme CMS Devices	FALSE	
onic Materials and Device Research	FALSE	
ience of High-Mobility Channel Materials	FALSE	
We will develop a software implementation of Power Line Communication (PLC) Modem used in Loc		
In this project, we need to perform the following tasks to fully understand, evaluate and design re		
MULTICASTING IS VERY IMPORTANT MECHANISM FOR ISP PROVIDERS FACILITATING SHAF		
THE OBJECTIVE OF THIS RESEARCH IS TO DEVELOP THE HIGH SPEEDSOFTWARE MODEN		
The general objective of this agreement is to conduct ì collaborative research in one or more areas list		
The objective of this project is to develop an analysis technique, supported by a prototype toolsui		
Current work at Avaya Labs has concentrated on the research and development of a Wireless Secu		
THE OVERALL OBJECTIVE OF THIS MULTI-INSTITUTION AL CRCD PROJECT IS TO DEVELOP		
est Generation	TRUE	09/01/2004
Practicum Agreement for Dan Zhou	TRUE	10/07/2004
Practicum Agreement for Santhoshi Thota	TRUE	11/09/2004
Practicum Agreement for Sharath Rao	TRUE	11/09/2004
roduct Line Architecture: A Formal Evaluation Model	TRUE	01/25/2005
Practicum Agreement for David Tang	TRUE	03/18/2005
ent of a Testing Framework for Reproducible Execution and Race Condition Dete	TRUE	05/27/2005
ent of a Testing Framework for Reproducible Execution and Race Condition	TRUE	07/13/2006
eb Applications	TRUE	07/20/2006
Donald Kennedy in his recent book Academic Duty provides the ì context for the thinking behind this p		
What is novel and unique in this proposed research is the proposed design of knowledge-based		
WHAT IS NOVAL AND UNIQUE IN THIS PROPOSED RESEARCH T		
Optimizations with Applications	FALSE	
ve Research: Design of Efficient Testing and Screening in Molecular Biology	FALSE	
ant and Secure Infrastructure for Time Critical Embedded Systems	FALSE	
timization Theory in Search and Selection	FALSE	
nd Dynamics Approach for Probing RNA Structures and Interactions	FALSE	
ynamics Approach to Probe RNA Folding Landscapes.	FALSE	
terogeneity of RNA Structures: The Femtosecond Dynamics Approach	FALSE	
ibozyme Conformational Landscapes with Femtosecond Dynamics	FALSE	
ynamics Probing of RNA Recognition by Novel Multi-Module Peptide-PNA Conju	FALSE	
Probing the Structure of GNRA Tetraloop and Tetraloop-Recptor Interactions by	FALSE	
The two undergraduate students will be involved in studying ì adaptive mutagenesis and the potential r		

One of the Teachers will work with the students on the research ì project to help develop the endopept		
Support is requested for three years for the Wind River Conference on Procaryotic Biology (formerly		
Application for an Undergraduate Research Fellowshi U		
The research proposed here attempts to define the mechanisms that are involved in the process of		
We will devlop a courseware tool that facilitates the preparation ì of web-based, on-line courses. The to		
The purpose of the project is a complex experimental research and computer modeling of the func		
The purpose of the project is an experimental research on the chemical synthesis of organic mol		
We will use our expertise in characterization of nanostructures by SEM, TEM Raman spectroscopy,		
THE EXCITING PROPERTY OF NEGATIVE REFRACTI T T		
brication	FALSE	
elahertz-Frequency Lasers Based on Semiconductor Nanocrystals	TRUE	10/22/2004
g Negative Refraction at Optical Wavelengths by Polaritonic and Plasmonic Nano	FALSE	
g Negative	FALSE	
ent of Flevible Hybrid	FALSE	
of Hybrid Supramolecules: "Quantum Dot-Conjugated Polymer" Photonic	TRUE	04/06/2005
ndex Materials at Infrared and Visible Wavelengths	TRUE	06/01/2005
gy Efficient Cold Luminescent Lamps with Nano-Carbon Field Cathodes	FALSE	11/25/2003
oject on Tandem Nanostructured Solar Cells with Charge Multiplication	FALSE	
Frequency Lasers Based on Semiconductor Nanocrystals	TRUE	02/14/2006
rage, Multi-Functional Bio-Molecules Transporters and Electromechanical Respo	FALSE	
l Characterization of Actively Transparent Negative Index Nanocomposites	FALSE	
omposites (Low-High Molecular Weights)	TRUE	04/15/2006
This project proposes to investigate and develop a software infrastructure using visual approaches		
This project aims at developing a prototype of automatic generation tool for domain-specific visua		
In this project we will build a visual approach to the representation and validation of document stru		
THE PROJECT CURRENTLY FUNDED BU THE NSF IT T		
ADAPTIVE MULTIMEDIA/WEB DOCUMENT DESIGN THROUGH SPATIAL GRAMMATICAL SPEC		
VL/HCC '05 Doctoral Consortium	FALSE	
Population Identification from Multidimensional FACS Data with Cluster Analysis	TRUE	12/21/2005
a Computational Biology and Biomedical Informatics Training Program	FALSE	
In this project, we plan to study the control characteristics and architectures of packet/burst switch		
The focus of this proposed research is how to design optical communication topologies. The sco		
stribution, and Biological Responses in Two Fish Species After Exposure to Manu	TRUE	07/15/2005
pplication Aware Optical Access Network	FALSE	
ve Proposal:NeTS NBD: Computation Driven Virtulizable Network Infrastructure	FALSE	
In this project, we shall: a) Develop new order reduction approaches that provide guaranteed pe		
In this project we shall formally introduce a wavelet for the linear system analysis, study the prop		
The project focuses on the following tasks: 1) study the properties G		

Amount A	PI First	Co-PI4	School	Primary S	Database I	Protocol S	Protocol .	Date Appr
well in NE Africa and finish up work related to a previous NASA contract to find and map hydrothe								
eoproterozoic sutures on the planet, the Bi'r Umq-Tharwah suture in Saudi Arabia and the Nakas								
-Sudan border, using modern NASA assets, especially SRTM radar topography and C-band imag								
$0.00	Mary		Natural Sciences & Ma		10/12/2004	FALSE		
project will be directed by Drs. Herve' Abdi and Richard Golden in consultation with Dr. George								
rson images designed to ì provide comprehensive and controlled tests of the automatic ì systems deve								
$0.00	Alice		Behavioral	Texas Coo	02/14/2006	FALSE		
$0.00	Mohamed		Natural Sciences & Ma		05/16/2005	FALSE		
$0.00	Mohamed		Natural Science & Mat		05/09/2006	FALSE		
t control the position of ì sandstones in a tectonically active foreland basin. New digital ì outcrop-mapp								
$0.00	Xueming		Natural Sciences & Ma		06/01/2005	FALSE		
$0.00	Hlaing		Engineering & Compu		05/22/2006	FALSE		
$0.00	Mohammad		Engineering & Compu		02/03/2005	FALSE		
$0.00	Murat		Engineering & Compu		01/24/2005	FALSE		
$0.00	Simon		Social Sciences		09/08/2005	FALSE		
$0.00	Simon		Social Sciences		08/17/2006	FALSE		
########	Anvar		Natural Science & Mat		03/02/2006	FALSE		
$0.00	Thomas		Natural Sciences & Ma		03/14/2005	FALSE		
$0.00	Donovan		Natural Science & Mat		01/31/2006	FALSE		
lemetry (NRT) responses ì and speech recognition performance in cochlear implant users. The ì spec								
$5,000.00	Justin		Behavioral and Brain S		11/18/2005	FALSE		
xt generation membranes will perform well at temperatures in the 150-180 C range where CO tole								
develop novel high temparature polymer electrolyte membranes. The most direct route to improv								
$0.00	John		Natural Sciences & Ma		08/19/2005	FALSE		
$0.00	John		Natural Science & Mat		04/07/2006	FALSE		
$0.00	Duck Joo		Natural Sciences & Ma		04/08/2005	FALSE		
curriculum at The University of Texas at Dallas. The project addresses the needs for current and								
curriculum at The University of Texas at Dallas. The project addresses the needs for current and								
e capability to conduct basic research in the information technology. Joint efforts of PI and CO-PIs								
$0.00	Andrew		Engineering & Compu		08/30/2006	FALSE		
$0.00	Kamran		Engineering & Compu		03/02/2006	FALSE		
loss sensors are designed, customized and implemented. We intend to investigate various imple								
such as base stations. The ì goal of this project is to design and implement a multi-node ì ad-hoc net								
ng. Reconfigurable Array ì Media Processor (RAMP) is a co-processor that features a 2-D ì array of co								
nance evaluation ì investigations for the design of adaptive mobile wireless ì networks operating in a hi								
(TQI) that accepts data from the QuEST Forum's measurements Repository System. The control								
ducts to the market. Recent ì advances in DSP technology have dramatically improved hardware ì pro								
chnology is rapidly shifting away from low-level programming issues to automated code generation								
########	I-Ling		Engineering & Compu		10/12/2004	FALSE		
$0.00	I-Ling		Engineering & Compu		05/26/2005	FALSE		
########	I-Ling		Engineering & Compu		01/04/2005	FALSE		
wrap nanotubes, and then to synthesize and characterize the helices to determine if they interact w								
de/nanotube fibrous network. Condiitons that will be varied include the ionic strength, the type of								
osal describes the design, synthesis and application of peptides that fold into amphiphilic structur								
versity of Texas Southwest Medical Center- Dallas, has brought together a team of leading edge r								
production and storage facilities. Successful completion of this interdisciplinary project will resul								

$0.00	Betty	Natural Sci National H	04/18/2006	FALSE
$0.00	Matthew	Natural Sciences & Ma	06/02/2005	FALSE
$0.00	Wim	Social Sciences	01/25/2005	FALSE

planning

$0.00	Lakshman	Engineering & Compu	03/03/2006	FALSE

l Positioning System (GPS), and Laser Range Finding technologies in 3-D reservoir characterizatic

$0.00	Mary	Natural Sciences & Ma	02/02/2005	FALSE
$0.00	Mary	Natural Sciences & Ma	03/29/2005	FALSE

disablilities in science, technology, engineering, and mathematics (STEM) professions. The North

Attachment Theory (Haylett-McCall & Bernard, 2002) to explore three key issues: youth attachme

agency preparedness measures across the Dallas/ Fort Worth (DFW) metroplex. Further, we will

########	James	Social Sciences	12/06/2005	FALSE
########	Kevin	Social Sciences	07/20/2005	FALSE
$0.00	Mohamed	Natural Sciences & Ma	03/10/2005	FALSE

interdisciplinary research team to develop and evaluate a large-scale interactive assessment sy

$0.00	Steven Daescu, O	Natural Science & Mat	06/28/2006	FALSE
$0.00	Alain	Management	10/12/2004	FALSE
$0.00	Alain	Management	01/01/2005	FALSE
########	Alain	Management	01/27/2006	FALSE
$0.00	Alain	Manageme Advanced	02/08/2006	FALSE

n corn borer), a coleopteran (Colorado potato beetle) and dipteran (southern house mosquito). Tl

examined proteomic expression differences between Indian meal moth(IMM) strains that are susce

D) will provide a Computer ì Science and Engineering (CSE) and Electrical Engineering (EE) ì interdis

mistry and reactivity of Cys-rich catalytic metal sites from structural and metalloregulatory sites.

$0.00	Mohamed	Natural Sciences & Ma	12/01/2004	FALSE

perature ì bolometric infrared detectors. The research is broken up into ì three phases. The first phase

$0.00	Raksha	Behavioral and Brain S	12/01/2005	FALSE
$0.00	Steven	Natural Sci National In	06/16/2005	FALSE
$0.00	Mihai	Arts & Humanities	07/12/2005	FALSE
$0.00	Mihai	Arts & Humanities	02/21/2005	FALSE
$0.00	Mihai	Arts & Humanities	02/21/2006	FALSE
$0.00	Mihai	Arts & Humanities	09/27/2005	FALSE
$0.00	Mihai	Arts & Humanities	06/21/2006	FALSE

pproach that can be applied in the software engi- neering of large-scale projects. Our approach in

$0.00	Kendra	Engineering & Compu	06/17/2005	FALSE

, follow-up evaluations, and ì intervention services. This project's objective is to assess how ì commun

$0.00	Kang	Engineering & Compu	08/15/2006	FALSE
$0.00	Linda	Behavioral Office of S	03/23/2005	FALSE
$0.00	Linda	Behavioral & Brain Sci	04/28/2005	FALSE

XAS AT DALLAS HAS DEVE- LOPED A WEBSITE FR DISTRIBUTING THE IONOSPHERIC OBS

$0.00	Marc	Natural Science & Mat	09/02/2005	FALSE
$0.00	Anvar	Natural Science & Mat	11/21/2005	FALSE

software which allows the use of multiple solutions provided by a set of components based on t

complex-ity. The number of simultaneous users on distinct platforms with different resource cons

$0.00 Joao Engineering & Compu 12/20/2005 FALSE

the charged particles at high latitudes. These motions change dramatically as conditions in interp

$0.00 Steven Jargowsky, Social Sciences 02/24/2005 FALSE

expertise in 1) science content, 2) use of technology and 3) pedagogical strategies. In keeping w

complete 105 hours of instruction including 3 hours of graduate credit.

MS modules) and to earth science. During the course of their 116 hours of highly-focused classe

$0.00 Homer Natural Sciences & Ma 02/02/2005 FALSE

######## Homer Natural Sciences & Ma 07/26/2005 FALSE

$0.00 Mary Natural Science & Mat 01/12/2006 FALSE

$0.00 Gregg Natural Sciences & Ma 10/12/2004 FALSE

with an interest in ì mathematical and computational biology, give young researchers a ì chance to pres

with an interest in ì mathematical and computational biology, give young researchers a ì chance to pres

with an interest in mathematical and computational biology, give young researchers a chance to

$0.00 Ivan Engineering & Compu 01/11/2005 FALSE

$0.00 Subbarayan Engineering & Compu 05/27/2005 FALSE

This technology will strive for an industry-wide infrastructure that joins software vendors with ap

$0.00 Rockford Natural Sciences & Ma 04/08/2005 FALSE

$0.00 Rockford Natural Sci Economic I 12/15/2005 FALSE

tion of Akt by NF-kB during vascular angiogenesis: (1) To understand the mechanism by which NF

tion of Akt by NF-kB during vascular angiogenesis: (1) To understand the mechanism by which NF

s: General-purpose microprocessors, internet routers, and digital signal processors (DSPs). The

$0.00 Kenneth Natural Science & Mat 11/29/2005 FALSE

$0.00 Tres Behavioral & Brain Sci 10/12/2004 FALSE

$0.00 S.Q. Engineering & Compu 03/02/2006 FALSE

easure in-situ the neutral ì wind velocity in the thermosphere. A prototype of the ì thermospheric wind s

s is on science with rough ì guidelines for the other proposed elements. If selected for Stage ì II, then

collaboration between a planned Air Force Mission and a NASA sponsored investigation. This colla

estions concerning the role of ì charged and neutral gases in the upper atmosphere. Interactions ì betw

######## Jeffrey Natural Sci GSRP: Gra 1/31/2005 FALSE

$0.00 Mihai Arts & Humanities 12/07/2005 FALSE

$0.00 Mihai Arts & Humanities 12/09/2005 FALSE

$0.00 Mihai Arts & Humanities 12/20/2005 FALSE

$0.00 Betty Natural Sciences & Ma 04/29/2005 FALSE

d to (1) the development and ì implication of programs which effectively improve the educational ì perf

efficient spatio-temporal framework, ST-PUMS (Spatiotemporal Prediction Using Map Similarity), w

support the design and ì analysis of very large, pervasive networking environments ì consisting of very

the aggregate behavior of ì large, highly dynamic networks. The essential feature of this ì theory is tha

tures that are capable ì of providing various reliability degrees (as opposed to 0% and ì 100% only) as

developed software system. ì The TE-Lab software will be developed on top commercial software, ì by

entric computing. In particular, one large real-life application developed at UTD by some of the PI

are-radio capabilities. We will ì develop and integrate online simulation into network management ì to

This protocol shall ì perform the intelligent aggregation of MAC protocols that best ì demonstrate auto

sms to work in parallel allowing them to share the network resources. The resource allocation amo

ng model, we instead propose to assess P by comparing it to the theoretical optimum of the routing

$0.00 Murat Engineering & Compu 03/02/2006 FALSE
all groups of students, ì train parents to work with their own children, and train and ì manage paraprofe
d to (1) the development and ì implication of programs which effectively improve the educational ì perf
elated adult justice data for Dallas County to explore the complex interrelationships between schoo
$0.00 Robert Natural Science & Mat 04/03/2006 FALSE
Cell Technology, we have proposed to develop novel high temperature polymer electrolyte membran

$0.00 Kenneth Natural Science & Mat 02/07/2006 FALSE
######## Ray Natural Science & Mat 12/12/2005 FALSE
$0.00 Sanjeev Natural Sciences & Ma 04/08/2005 FALSE
$0.00 Steven Natural Sciences & Ma 05/09/2005 FALSE
$0.00 Anvar Natural Science & Mat 12/12/2005 FALSE
C) implementation of high-speed long transmission distance transceivers. Analog FIR filter will be
$0.00 Jin Engineering & Compu 12/08/2004 FALSE
######## Simeon Engineering & Compu 03/17/2005 FALSE
D) will provide a Computer ì Science and Engineering (CSE) and Electrical Engineering (EE) ì interdis
E students to experience unified simulations of real communications laboratory experiments. The
$0.00 Matthew Engineering & Compu 03/02/2005 FALSE
dimensions in nanometer scales and fundamental mechanical resonance frequencies in gigahertz

$0.00 Mohammad Engineering & Compu 02/27/2006 FALSE
$0.00 Duncan Engineering & Compu 02/06/2006 FALSE
$0.00 Vladimir Natural Science & Mat 07/26/2006 FALSE
$0.00 Sergey Natural Sciences & Ma 12/08/2004 FALSE
$0.00 Moon Engineerin University 11/12/2004 FALSE
$0.00 Moon Engineerin University 11/12/2004 FALSE
$0.00 Duncan Engineering & Compu 12/13/2005 FALSE
######## Robert Engineering & Compu 04/29/2005 FALSE
$0.00 Robert Kim, Moon Engineering & Compu 11/12/2004 FALSE
t UTD comprising 5 research ì stations. This facility fits well with our strong teaching ì component, mee
g thin films for medical applications. The official statement of work for the project is listed in the atta
ndamental understanding of the possible interactions between negative ions and processing surfa
(polymeric) thin films with UTD's expertise in plasma science (glow discharges, NOT blood) and

$0.00 Lawrence Engineering & Compu 01/07/2005 FALSE
######## Lawrence Engineering & Compu 04/08/2005 FALSE
$0.00 Lawrence Engineering & Compu 04/05/2006 FALSE
$0.00 Donovan Natural Science & Mat 05/25/2006 FALSE
in north Texas. The project will partner with the Richardson Independent School District (ISD), th
$0.00 Gail D'Mello, Sa Natural Sciences & Ma 10/12/2004 FALSE
$0.00 Gail Natural Science & Mat 01/04/2006 FALSE
$0.00 Rockford Natural Sciences & Ma 02/24/2005 FALSE
he detection and estimation of multiple change points and phases in developmental processes. The
novative analysis of characteristic features in developmental processes (time dependence, trends,
ach in all important aspects of heterogeneous networks: design and analysis of networks, networ

and dispensing hazardous material (hazmat) information to authorized emergency response pers

heuristics. The tasks involved in this project will include the following: 1. Generate common probl
$0.00 Jorge Ntafos, Sin Engineering & Compu 06/01/2005 FALSE

$0.00 Jorge Andreescu Engineering & Compu 06/16/2006 FALSE
######## Simeon Engineering & Compu 06/29/2006 FALSE
osphere may be the ionosphere. Over the past two decades there have been numerous investiga
$0.00 Robin Natural Science & Mat 11/11/2005 FALSE
tes in orbit, ì change their orbit and/or remove them from orbit without the use ì of chemical propellants
$0.00 Dinesh Engineering & Compu 10/07/2005 FALSE
$0.00 Dinesh Engineerin National Lil 01/30/2006 FALSE
$0.00 Stephen Natural Sci National In 01/25/2005 FALSE
$0.00 Yang Engineering & Compu 07/31/2006 FALSE
managing multiple hypotheses called "Hypotheses Generation and Management (HyGeMa)". Hy
######## Sandra Behavioral and Brain S 03/06/2006 FALSE
$0.00 Richard Behavioral and Brain S 03/30/2006 FALSE

y analysis to explore inter-agency and agency- community networking relationships in the Dallas/
$0.00 Timothy Social Scie National In 12/14/2004 FALSE
$0.00 Kevin Social Sciences 01/19/2006 FALSE
plasma for the near-Earth portion of the magnetosphere may be the ionosphere. Plasma flows
passes of the Atmosphere Explorer satellite represent an underutilized resource for providing a de
$0.00 Kelly Natural Sci GSRP: Gra 1/31/2005 FALSE

ponent of the neutral wind aboard ì a satellite in low planetary orbit. Within the first two years we ì will
n velocities in the polar ionosphere. This will be done using the ion flow data taken by the ion

rocess takes place over a ì variety of spatial scales. At the largest scales, the bulk flow ì of charged pa
d. This motion is in turn caused by winds. Changes in the dynamics of the Earth's atmosphere belo
particles. In this region, the charged particles move along or perpendicular to the Earth's magn
$0.00 Sarita Natural Science & Mat 09/07/2005 FALSE

to research the literature on developing such facilities and include in our study visits with practis
$0.00 Chris Cannici, Ja Other 03/09/2005 FALSE
$0.00 Eric Other 05/16/2005 FALSE
$0.00 Robert Goodman, Natural Sciences & Ma 03/30/2005 FALSE

ents's (TI) NxN ì micromirror technology in an optical wireless communication ì channel with automatic
$0.00 Duncan Ramakrish Engineering & Compu 02/10/2005 FALSE
reless channels without ì any support facilities like base stations. In ad-hoc networks, ì the topology cl
$0.00 Richard Behavioral and Brain S 02/27/2006 FALSE
nore apparent recently with new experimental techniques that have resulted in an explosion in the
$1,500.00 Lee Social Sciences 08/29/2006 FALSE
$800.00 Lee Social Sciences 08/29/2006 FALSE
$0.00 Lee Social Sciences 08/30/2006 FALSE
uninsured individuals. This legislation created the Children's Health Insurance program. The po
rlying auditory processing disorder (APD) in children. Using both visual and auditory event- relate

zed framework for defining various protocols that support ynamic provisioning. Formal blocking prob
$0.00 Bhavani Engineerin Texas Hig 02/15/2006 FALSE
e variety of central nervous ì system (CNS) functions. Metabotropic glutamate receptors ì (mGluRs) a
plants acquire or refine their speech production using auditory feedback. The specific aims of this

$0.00	Bhavani	Engineering & Compu	02/02/2005	FALSE
$0.00	Bhavani	Engineering & Compu	03/01/2005	FALSE
$0.00	Bhavani	Engineering & Compu	03/28/2005	FALSE
$0.00	Bhavani	Engineering & Compu	05/24/2005	FALSE
$0.00	Bhavani	Engineering & Compu	12/14/2005	FALSE
$0.00	Bhavani	Engineering & Compu	12/14/2005	FALSE
$0.00	Bhavani	Engineering & Compu	04/07/2006	FALSE
$0.00	Bhavani	Engineerin National G	05/03/2006	FALSE
$0.00	Bhavani	Engineering & Compu	08/09/2006	FALSE
$0.00	Bhavani	Engineering & Compu	08/16/2006	FALSE
$0.00	Bhavani	Engineering & Compu	03/03/2006	FALSE
$0.00	Bhavani	Engineering & Compu	02/23/2006	FALSE

erties in the primary auditory cortex. Compelling evidence exists that the adult brain can be modifi
input shape and guide auditory cortical plasticity. The results of these studies will provide new ins

########	Bruce	Engineering & Compu	11/29/2004	FALSE
$0.00	Bruce	Engineering & Compu	10/27/2005	FALSE
########	Jiyoung	Engineering & Compu	10/03/2005	FALSE
$0.00	Robert	Engineering & Compu	01/24/2005	FALSE
$0.00	Robert	Engineering & Compu	03/03/2006	FALSE

that we currently have ì in-house here at UTD. Through a website, space science ì researchers from
ence for the social-emotional, language, and cognitive development of low-income children of colo

$0.00	Margaret	Behavioral & Brain Sci	11/09/2004	FALSE
$0.00	Karen	Social Scie Collin Cou	05/09/2005	FALSE

rce, a series of professional development opportunities , and a coordinated educational research p

$0.00	Jin	Engineering & Compu	05/05/2005	FALSE
$0.00	Lawrence	Behavioral & Brain Sci	02/28/2005	FALSE

ode in Texas. The Texas Juvenile Code is a prime example of the Ablended, Acoupled, or Amerg
juvenile crime and violence trends; 2) conceptualize the competing explanations and develop reli

c Allaqi-Heiani sutures in southern Egypt and northern Sudan. This suture forms the northernr
c Allaqi-Heiani sutures in southern Egypt and northern Sudan. This suture forms the northernr
preserved of these sutures, the Neoproterozoic Allaqi-Heiani Suture in southern Egypt and nort
velops from a grazing to residential land use. Students involved in this project west of Fort Worth
ıthern Oklahoma development, but ì is presently underutilized due to high total dissolved solid ì conten

########	Anvar	Natural Sciences & Ma	04/08/2005	FALSE
$0.00	Hoi	Engineering & Compu	05/16/2005	FALSE

ovide multiple integrated sensing functions, medium range link transmissions up to 100m, remote re

$0.00	John	Engineerin Texas Hig	02/15/2006	FALSE
$0.00	Yi	Engineering & Compu	07/12/2006	FALSE
$0.00	Kostas	Engineering & Compu	07/10/2006	FALSE
########	Shveta	Behavioral & Brain Sci	06/30/2005	FALSE
$0.00	Shveta	Behavioral and Brain S	11/21/2005	FALSE
$0.00	Jeffrey	Behavioral & Brain Sci	03/29/2005	FALSE

ng Spectrometer (BES). We played ì a central role in BES. The UTD group was responsible for the ì

BABAR experiment at SLAC with a waning involvement with the Beijing Spectrometer (BES). The g
de, 32 cpu Linux/PC farm from BABAR analysis and simulation production. Monte Carlo production is
ABAR experiment at SLAC with the greatly diminished involvement with the Beijing spectrometer

ate students from 3 ì disciplines to provide culturally sensitive, family-centered EI ì (early intervention) s
to infants with disabilities and their families, this project seeks to address both quantity and quality

$0.00 Sanjeev Natural Sci NER 12/13/2005 FALSE

advanced hardware and software to provide security and digital forensics to the nodes of a virtual
$0.00 Pam Behavioral and Brain S 01/26/2006 FALSE
ge number of inexpensive optical nodes. Such nodes will look like today's Fast Ethernet switches

$0.00 Robert Natural Sciences & Ma 01/21/2005 FALSE
$0.00 Robert Natural Sciences & Ma 07/12/2005 FALSE
stronomy lessons plans specifically designed to meet a need for quality, classroom-ready materials
SPECUFUCALLY DESIGNED TO MEET A NEED FOR QUALITY, ì CLASSROOM-READY MATERIA
$0.00 Janok Natural Sciences & Ma 12/09/2004 FALSE
$0.00 Janok Natural Sciences & Ma 01/07/2005 FALSE
fractures, and faults, covering a wide range of scales. For a particular normal stress, acting on
t its greatest natural ì resource: the Panama Canal watershed. Our training initiative ì will begin the pro
is berliner. The main objective of the proposed project is to make available the agriculturally, r
distribution of data (information brokers) are becoming more sophisticated in their use of technolo

rved in northernmost Ethiopia, namely the Tambien Group. Our reconnaissance investigations in
$0.00 Kamran Engineering & Comput 06/15/2006 FALSE

ith all aspects of ì a person's life. The objective of the proposed work is to ì distinguish different types o
es with all aspects of a person's life. The objective of the project is to distinguish different types o
a very large Late ì Cretaceous sauropod dinosaur in Big Bend National Park. This new ì find is unpre
$0.00 DJ Natural Science & Mat 08/16/2006 FALSE
$0.00 Cynthia Natural Sciences & Ma 02/02/2005 FALSE
$0.00 Cynthia Natural Science & Mat 01/12/2006 FALSE
channel, and is divided into three major components. (1) We study adaptive modulation and varia

ation and intuition for ì applications to the control and identification of processes which ì occur at the ato

ng to be modeled by distributed ì circuits. Such a detailed modeling level eventually results in ì large s
$0.00 Paul Social Sciences 03/01/2006 FALSE
IG EDUCATION PRODUCTION FUNCTIONS,ASSESSING THE IMPACT OF SCHOOL QUALITY
$0.00 Fang Behavioral & Brain Sci 12/01/2004 FALSE
he vessel or walls ì which contain them. These interactions in large part determine ì the fundamental p
ions is plasma based ion implantation (PBII). PBII shows several advantages, including better dev

$0.00 Matthew Engineering & Comput 1/27/2005 FALSE
$0.00 Matthew Engineering & Comput 01/07/2005 FALSE
$0.00 Matthew Engineering & Comput 01/06/2006 FALSE
$0.00 Matthew Engineering & Comput 02/02/2006 FALSE
$0.00 Matthew Engineering & Comput 09/13/2005 FALSE
$0.00 DJ Goeckner, Engineering & Comput 12/20/2005 FALSE

$0.00	DJ		Natural Science & Mat	01/30/2006	FALSE
$0.00	Jungmo		Natural Sci NIDDK	05/31/2006	FALSE
$0.00	Jame		Natural Science & Mathematics		FALSE
$0.00	Steven	Burr, John	Natural Sciences & Ma	06/27/2005	FALSE
$0.00	Gopal		Engineering & Compu	03/17/2005	FALSE

D) will provide a Computer ì Science and Engineering (CSE) and Electrical Engineering (EE) ì interdis

$0.00	Richard		Arts & Humanities	08/31/2005	FALSE
$0.00	Duncan		Engineerin Missile Def	01/24/2005	FALSE

rkers; to change workplace culture to increase employer and worker awareness of, commitment to,

$0.00	Rockford		Natural Science & Mat	08/18/2006	FALSE

JNIVERSITY OF TEXAS AT DALLAS (UTD) AND THE UNIVERSITY OF NORTH TEXAS (UNT) T
reduce development time without sacrificing performance. The research portion of this project wil

$0.00	Richard		Behavioral & Brain Sci	08/15/2005	FALSE
########	George		General Studies	05/20/2005	FALSE

work of six 4-cpu multiprocessors and a data storage system connected with a 100 Mbit/s Ethernet
litate reliable communication among fire- fighters at an accident scene as well as between the fire-

$0.00	Balakrishnan		Engineering & Compu	03/02/2006	FALSE
$0.00	Balakrishnan		Engineering & Compu	03/02/2006	FALSE
########	Subbarayan		Engineering & Compu	07/21/2005	FALSE
$0.00	Subbarayan		Engineering & Compu	03/04/2005	FALSE
########	Subbarayan		Engineering & Compu	08/12/2005	FALSE
########	Weili		Engineering & Compu	12/15/2004	FALSE

s of erbium of high energy up to 5 MeV. On the other hand we have developed recently a differen

$0.00	Louis		Engineering & Compu	02/02/2005	FALSE
$0.00	Barry		Other	03/15/2005	FALSE
$0.00	Mustapha		Natural Science & Mat	06/02/2006	FALSE
$0.00	Mustapha		Natural Science & Mat	06/08/2006	FALSE
$0.00	Mustapha		Natural Science & Mat	06/23/2006	FALSE
$0.00	Mustapha		Natural Science & Mat	06/23/2006	FALSE
$0.00	Eric		Social Sciences	11/23/2005	FALSE
########	Eric		Social Sciences	09/22/2005	FALSE
$0.00	Eric		Social Sciences	12/01/2005	FALSE

developments in the main areas of modern astrophysics, cosmology and relativity. The biannua
scientists to attend the 21st Texas Symposium on Relativistic Astrophysics to be held in Florence,
Work"). The University shall select faculty members qualified to create course materials (each a
dex (TQI). The system to be developed will accept performance figures of individual products an

$0.00	Gopal		Engineering & Compu	03/02/2006	FALSE
$0.00	John		Natural Sciences & Ma	01/14/2005	FALSE

This data will be analyzed to determine the direction of the sector and identify new and emerging

$0.00	Kang		Engineering & Compu	12/08/2004	FALSE
$0.00	Ying		Engineerin Texas Hig	02/15/2006	FALSE

learning vector quantization (LVQ) network to extract fuzzy if-then association rules from spatial d
performance distributed programming. At the end of the project we expect the following major ou
erformance distributed programming. Issues to be addressed include: how a complete visual met
number of hosts, the number of users, the amount of traffic and application opportunities. In respo

$0.00	Katrina		Behavioral and Brain S	11/14/2005	FALSE
$0.00	Warren		Natural Sciences & Ma	10/12/2004	FALSE

healthy heart, the ATP production matches demand. This is accomplished by one of a number of

$0.00 Thomas Natural Sciences & Ma 06/01/2005 FALSE
ıvements affect face recoginition accuracy. In the project we consider how attentional engagemer
r (TM), RADARSAT, Shuttle Imaging ì Radar (SIR) C/X-band Synthetic Aperture Radar (SAR), and Shu
$0.00 John Coleman, J Natural Sciences & Ma 02/08/2005 FALSE
nd at multiple depths. Lake sediment will be collected by gravity and freeze box cores. Waters an
essive mutation, which causes deafness and vestibular dysfunction associated with degeneration c
o improve the quality of service (QoS) for video transport over network. In this proposal we define
formance metrics into link ì costs in order to optimize unicast/multicast routing performance, ì with spe
ntrol (MAC) protocol serves a ì vital role. It is the MAC protocol that is directly responsible ì for controlli
aggregation approach, in which encouraging initial results of the PI and co-PI have already shown
y and heterogeneity problem in large networks. The fundamental approach is the automatic and dy
ncouraged us to develop three primary research directions: (1) Further development of the mather
DM links to provide an efficient solution for backbone topologies. It is expected that these back
$0.00 Andrew Engineering & Comput 08/28/2006 FALSE

en and infants with normal hearing and children with hearing problems. The subjects will repeat th
modulated (FM) systems have been determined in previous research (Boothroyd & Iglehart, 1998:
atric populations. The ì major goals of the project are to: (a) increase knowledge ì regarding emerging t
$0.00 Rockford Gross, Gue Natural Sciences & Ma 11/15/2004 FALSE
$0.00 Murat Engineering & Comput 05/11/2006 FALSE
$0.00 Latifur Engineering & Comput 03/29/2005 FALSE
$0.00 Latifur Kantarciog Engineering & Comput 03/03/2006 FALSE
$0.00 Balakrishnan Engineering & Comput 05/02/2005 FALSE
$0.00 Balakrishnan Engineering & Comput 04/08/2005 FALSE
######## Dan Social Sciences 01/09/2006 FALSE
$0.00 Fang Social Sciences 04/18/2006 FALSE
$0.00 Ann Behavioral NIDCD 7/17/2006 FALSE
######## Ann Behavioral National In 08/10/2006 FALSE
development. In the first experimental aim, we will compare the speech production of children who
communication of ì children with hearing loss by integrating new technological ì advances to receive t
and audiologists who serve infants and toddlers with hearing loss, including deafness, by integrat

$0.00 Andrea Behavioral and Brain S 04/11/2006 FALSE
lished in past issues. Translation Review is the only journal of its kind that has promoted the impo

information extracted from an informal specification. ViSta was designed to help software eng
tem for the automatic generation of visual programming languages (VPLs). This project is directe
for the automatic generation for domain-specific visual languages (DSVLs). Under the framework
rks, by allowing mobile ì terminals to cooperate with each other in a variety of ways. The ì goal is to in

erform a study of RDSS systems for the US Government, and provide on-going assessment activi
ent activities for such systems as the Government proceeds to develop its proposed GPRS systen
in high resolution images and video. The first effort has as its goal improving the speed and the

f assessing discourse production among individuals with aphasia at a varity of severity levels from

ssue of optimally placing multimedia information (MMI) on different web servers based on popularit
$0.00 Jason Behavioral and Brain S 11/07/2005 FALSE
$0.00 Deborah Behavioral and Brain S 06/29/2006 FALSE
$0.00 Scott Behavioral and Brain S 03/01/2006 FALSE

$0.00	Lisa	Behavioral and Brain S	11/18/2005	FALSE
########	Phil	Natural Sciences & Ma	06/28/2005	FALSE
$0.00	Greg	Natural Science & Mat	05/19/2006	FALSE

er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade
er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade
er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade
er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade
er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade
er, at The University of Texas at Dallas, involves one-to-one reading instruction for 6th-8th grade

$0.00	Chu-Ping	Social Sciences	04/05/2005	FALSE

RAZING X-RAY REFLECTOMET- ER/SPECTROSCOPIC ELLIPSOMETER (GXR/SE) SYSTEM. T
ESOLUTION DOUBLE CRYSTAL X-RAY DIFFRACTOMETER SYSTEM.THE SYSTEM WILL BE U

$0.00	Bruce	Engineering & Comput	11/12/2004	FALSE
########	Bruce	Engineering & Comput	10/13/2005	FALSE
########	Bruce	Engineering & Comput	12/20/2005	FALSE
$0.00	Alberto	Engineering & Comput	05/30/2006	FALSE
$0.00	Jiyoung	Engineering & Comput	08/16/2006	FALSE
$0.00	Jiyoung	Engineering & Comput	08/31/2006	FALSE
$0.00	Moon	Engineerin University (	10/22/2004	FALSE
########	Courtney	Engineering & Comput	07/13/2006	FALSE

sics by the Department of Physics and Astornomy, Louisiana State University. The center's purpos

$0.00	Raimund	Engineering & Comput	02/11/2005	FALSE
########	Richard	Social Sciences	03/04/2005	FALSE

stically, at almost any accuracy and resolution, at close range, at oblique angles, allowing quantita

########	Farokh	Engineering & Comput	12/09/2004	FALSE

TD) will provide a Computer ì Science and Engineering (CSE) and Electrical Engineering (EE) ì interdis

$0.00	Kenneth	Natural Sciences & Ma	04/07/2005	FALSE

hotoconductors with high primary charge separation efficiency. This work will be based on combi

TCNA, PMDA, etc., which will serve as tunable charge transfer dopants to existing hole and electr
hat can serve as a continual supplemental source of electrical energy that can diminish the influer
controlled size and shape will be created. Using carbon nanotubes as the basic type of target mole

$0.00	Gopal Mili, Rym	Engineering & Comput	11/14/2005	FALSE
$0.00	Balakrishnan	Engineering & Comput	06/03/2005	FALSE
$0.00	Balakrishnan	Engineerin Texas High	02/15/2006	FALSE
$0.00	Ray	Natural Science & Mat	01/17/2006	FALSE
$0.00	Hsingmean (Edwin)	Engineering & Comput	02/03/2005	FALSE

, and single- and multi-path Interferometric Synthetic Aperture (INSAR) using the Advanced Sp

$0.00	Mohamed	Natural Sci US Egypt (	11/12/2004	FALSE
$0.00	Mohamed	Natural Sciences & Ma	08/01/2005	FALSE
$0.00	Mohamed	Natural Science & Mat	05/24/2006	FALSE

avioral data collected on gulf war veterans and control subjects (as part of the gulf war syndrome p

########	Herve	Behavioral & Brain Sci	03/09/2005	FALSE
########	Jung-Mo	Natural Sciences & Ma	01/24/2005	FALSE
$0.00	Jung-Mo	Natural Sciences & Ma	01/24/2005	FALSE
$0.00	Jung-Mo	Natural Sciences & Ma	04/07/2005	FALSE
$0.00	Jung-Mo	Natural Sci National In	05/16/2005	FALSE
$0.00	Jung-Mo	Natural Sci Petroleum	11/28/2005	FALSE
$0.00	Jung-Mo	Natural Sci Advanced I	02/07/2006	FALSE
$0.00	Jung-Mo	Natural Science & Mat	02/13/2006	FALSE
$0.00	Jung-mo	Natural Science & Mat	08/29/2006	FALSE

Norsk Hydro in Bergen, Norway. A database will be built using Norsk Hydro and available information
eriod of 2 weeks in September-October, 2001 to train/demo/map approximately 1 mile of an Ainsa

########	Naofal	Engineering & Compu	02/24/2005	TRUE
########	Naofal	Engineering & Compu	04/11/2005	FALSE
########	Ali	Natural Sci Air Force C	04/06/2005	FALSE
$0.00	Larry	Natural Sciences & Ma	11/04/2004	FALSE
$0.00	Phil	Natural Sciences & Ma	04/05/2005	FALSE
$0.00	Phillip	Natural Science & Mat	03/02/2006	FALSE
$0.00	Phillip	Natural Science & Mat	03/02/2006	FALSE
$0.00	Phil	Natural Science & Mat	06/23/2006	FALSE

eople are speaking at the ì same time. Under such conditions the signal that reaches the ì eardrum is
ech to determine the basis for the intelligibility of frequency-shifted speech, and to study the cond
hifted speech and test whether these adjustments generalize across talkers, speech materials, an
sis system called STRAIGHT (Kawahara, 1999) to evaluate the separate and combined effects of

########	Marco	Behavioral & Brain Sci	11/12/2004	FALSE

oped which involves a combination ì of pulsed laser ablation and hydrothermal techniques. The ì unpre
Teacher program. ì Significant progress was made in the preparation and ì characterization of soluble
ferred to as ship-in-a-bottle complexes. Any practical application of ship-in-a-bottle complexes is

$0.00	Kenneth	Natural Sci University (	11/12/2004	FALSE
$0.00	Kenneth	Natural Sciences & Ma	11/15/2004	FALSE
########	Kenneth	Natural Sciences & Ma	03/08/2005	FALSE
########	Kenneth	Natural Sciences & Ma	04/08/2005	FALSE
$0.00	Kenneth	Natural Science & Mat	11/01/2005	FALSE
$0.00	Kenneth	Natural Science & Mat	01/18/2006	FALSE
$0.00	Kenneth	Natural Science & Mat	04/24/2006	FALSE
$0.00	Kenneth	Management	09/14/2005	FALSE

ative needs of rapidly developing energy industry. Its ultimate goal is to develop a system of robus

point detection and its practical implementation by means of optimal change-point detection scher

$0.00	Michael	Natural Sciences & Ma	11/04/2004	FALSE
$0.00	Michael	Natural Science & Mat	10/10/2005	FALSE

nunications software by retrieving, customizing, and integrating generic components. The technolo

########	Farokh	Engineering & Compu	10/12/2004	FALSE

########	Ray	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Ray	Natural Sciences & Ma	11/04/2004	FALSE
$0.00	Ray	Natural Sciences & Ma	11/15/2004	FALSE
$0.00	Ray	Natural Sciences & Ma	04/28/2005	FALSE
########	Ray	Natural Sciences & Ma	09/16/2005	FALSE
########	Ray	Natural Science & Mat	11/03/2005	FALSE
$0.00	Ray	Natural Sci Texas High	03/13/2006	FALSE
########	Ray	Natural Science & Mat	05/25/2006	FALSE
########	Ray	Natural Science & Mat	07/12/2006	FALSE
$0.00	Ray	Natural Science & Mat	08/15/2006	FALSE
########	Alain	Management	08/01/2004	FALSE
########	Alain	Management	12/17/2004	FALSE
########	Alain	Management	03/08/2005	FALSE
########	Alain	Management	09/14/2005	FALSE
$0.00	Sergey	Engineering & Compu	11/15/2004	FALSE

housing on single-family home prices. The announcement in 1996 of three public housing develo
petroleum basins in Southeast Asia, focusing on several offshore Thailand, Malaysia, Vietnam and
young age. The relationship between antisocial behavior among children and criminal behavior
ADULT OUTCOMES
Polymorphous Computing Architectures (PCA). These will include architecture models for SWEPT (si
adaptive computing environment for highly-reactive networking applications. Our project will build
level design (SLD) in the undergraduate curriculum in Electrical Engineering and Computer Engine
ave-influenced deltas are ì generally assumed to form in highstand and transgressive systems ì tracts.
s of years) stratal changes are always glacioeustatic in orgin, which has dominated much seque
self-assembled monolayer system. After initial formation of the monolayer using standard trialko

ed to offer its solution to establish and maintain a Consortium for Leadership Development for the
ally improve the capability of battlefield management and warfighter systems, especially radar and
e. This submicron process will be referred to here as scaled MEMS process. The initial process

s which includes building fixtures to enable the e-beam writers at UTD. Phase II: Development of e

########	Patrick	Social Sciences	07/08/2005	FALSE
$0.00	Timothy	Social Sciences	02/21/2005	FALSE
$0.00	Timothy	Social Sciences	03/02/2005	FALSE
$0.00	Tim	Social Sciences	03/02/2006	FALSE

tion. Numerous disorders ì have been reported with defects in mitochondrial function, ì including a nur
lation system. The levels ì of the enzymes of the oxidative phosphorylation system vary ì widely in res
FI-B, and Ets-1 in the regulation of the ATPA gene. These studies will help identify regulatory fac
norylation system. The oxidative phosphorylation system is composed of the electron transport ch
(hypoxic genes) are up-regulated by exposure to hypoxic conditions whereas others (aerobic gene
A, COXVb, and Cyt c genes, and their protein products, in response to hypoxia; (2) to determine i
A, COXVb, and Cyt c genes, and their protein products, in response to hypoxia; (2) to determine i
TPA, COXVb, and/or Cyt c decreases during hypoxia; (2) to determine if the stability of the ATPA

the ATP synthase complex, and cytochrome c of the mammalian mitochondrial oxidative phosphor
encode the proteins of the mammalian mitochondrial ATP synthase complex, the central enzyme of o
AND HOW THE GENES THAT ENCODES THE PROTEINS OF THE MAMMALIAN MITICHOND- F
D c-MYC IN HUMAN BREAST CANCER CELLS

$0.00 Gail Natural Sciences & Ma 01/21/2005 FALSE
aduate degree in their ì early or mid-twenties. We will undertake innovations at the ì academic level to

nteractions over the property owned by the City of Hays, extending with less detail westward at le
utility of surface geophysical methods in predicting the risk of high arsenic (high-As) groundwa
$0.00 Thomas Natural Sciences & Ma 10/22/2004 FALSE
isis (Bt) because of ì its widespread use as an insecticide and in transgenic plants. ì The cotton leafwo
genomics. The ì training program at The University of Texas Southwestern Medical ì Center (UTSW) o
d breeds throughout the Americas. ì Infestations can limit production in many crops, including ì turfgras
) is to develop new approaches and technologies that will be useful to NASA in its space travel an
interferes with those interactions that BT-R2 may have with other cell surface molecules. Alterna
insect resistance to Bt, will be helpful in designing strategies to circumvent the emergence of re
of the reaction between extractions from the investigated foodstuffs or water and a biological
of innovative web-based technologies that enhance the use of interactive educational materials. Two
######## Gerald Engineering & Compu 08/26/2005 FALSE
$0.00 Gerald Engineering & Compu 05/03/2006 FALSE

itoring using ì scatterometry, and, a second that deals with the creation of a ì new high speed electro-

$0.00 Joao Engineering & Compu 03/03/2006 FALSE
$0.00 Joao Engineering & Compu 07/11/2006 FALSE
University of Texas at ì Dallas. The research topic will be the design and simulation of a ì stimulated R
f Texas at Dallas. The ì research topic will be the simulation of stimulated Raman ì amplification, inclu

almost to the ultimate limits allowed by physics, signal attenuation remains one of the primary obs

iberoptic interconnects, using both generic and system-specific requirements and characteristics.

ufactured by Zyvex using MicroElectroMechanical (MEMS) technology which offers two significan
$0.00 Larry Behavioral STTR 04/11/2006 FALSE
######## Anthony Social Sciences 08/11/2006 FALSE
n. The intervention program ì will directly address both mental health issues and ì elementary/seconda
gram will directly address ì both mental health issues and elementary/secondary education ì concerns
eniors at-risk for ì developing pathological processes. The intervention program will ì directly address h
ic intervention group or ì ordinary community support on quality of life (QOL) and other ì psychosocial
armacological intervention on impairment of attention, learning and memory, and speed of process
severity of the student's brain injury * Profiles special learning strength and deficits that have em

eneral Internal Medicine and Family Practice), physician assistant, physical therapy, clinical nutrit
BRAIN INSULES, MANY OF WHOM MEET THE CRITERIA OF ATTENTION- DEFICIT/HYPERA
CHILDREN: (1) CHANGES IN COGNITIVE CONTROL AND MOTIVAION, INCLUDING DIFFEREN
######## Sandra Behavioral Baylor 10/22/2004 FALSE
$0.00 Sandra Behavioral & Brain Sci 01/26/2005 FALSE
$0.00 Sandra Behavioral & Brain Sci 02/18/2005 FALSE

$0.00	Sandra	Behavioral & Brain Sci	06/21/2005	FALSE
########	Sandra	Behavioral and Brain S	12/12/2005	FALSE
$0.00	Sandra	Behavioral and Brain S	01/24/2006	FALSE

particular, the problem of how to assure performance of TCP flows in Diffserv networks. In this pro

key countries: the United States, the United Kingdom, Canada, Russia and South Africa. The Ur

very dynamic traffic conditions. The approaches will rely on techniques for reserving resources in
and Stanford University proposes to research, develop, demonstrate and deploy a technological

$0.00	Pankaj	Natural Science & Mat	01/27/2006	FALSE

describing auditory processing. ì In fact, Audiologists, Speech-Language Pathologists, ì Psychoacoust

########	Harold	Social Sciences	05/22/2006	FALSE

tasks, we plan to take the existing results in the area of periodic scheduling over multiple resource
as plasma bubbles. Bubbles ì are regions of low density plasma that during the nighttime hours ì som

$0.00	Robin	Natural Science & Mat	04/03/2006	FALSE
$0.00	Robin	Natural Science & Mat	07/26/2006	FALSE

example, an isomer of 178Hf stores 2.445 MeV per atom for a shelf life of 31 years. In practical t
however, in nuclear spin isomers the energy is stored electromagnetically so that it would be releas

$0.00	Steve	Natural Science & Mat	08/16/2006	FALSE

This will be based on a ì systematic study of hermitian kernels with additional symmetries. ì Such an er
t spaces. This will be based on a systematic study of hermitian kernels with additional symmetrie
will be based on a systematic study of hermitian kernels with additional symmetries. Such an er
y, this leads to indefinite inner product spaces. Their theory was developed over the last 50 years.
commuting variables. This will be based on a systematic study of some classes of quotient algebr
NIMIALS IN SEVERAL NON -COMMUTING VARIABLES. THIS WILL BE BASED ON A SYSTEMA

$0.00	Tiberiu	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Tiberiu	Natural Sciences & Ma	03/24/2005	FALSE

EA) approach is unique. To accomplish the goals of defining and validating the CAREA approacl
and controls the energy and motion of the charged particles that can be hazardous to space systen
and controls the energy and motion of the charged particles that can be hazardous to space systems
and controls the energy and motion of the charged particles that can be hazardous to space systen

$0.00	Judy	Natural Sciences & Ma	01/11/2005	FALSE
$0.00	Judy	Natural Sciences & Ma	06/03/2005	FALSE

ive to contribute significantly to the development of professional masters programs within our Sch

$0.00	Austin	Natural Science & Mat	08/16/2006	FALSE
$5,000.00	Kevin	Social Sciences	06/08/2005	FALSE
$0.00	Kevin	Social Sciences	11/18/2005	FALSE
$0.00	Kevin	Social Sciences	03/16/2006	FALSE
$0.00	Mieczyslaw	Natural Sciences & Ma	11/04/2004	FALSE
$0.00	Mieczylaw	Natural Science & Mat	01/03/2006	FALSE

routing (cars, airplanes), robotics and manufacturing. This research seeks to solve these probler

$0.00	Ovidiu	Engineering & Compu	01/04/2005	FALSE
$0.00	Ovidiu	Engineering & Compu	07/18/2005	FALSE
$0.00	Ovidiu	Engineering & Compu	05/24/2006	FALSE

commits to establish the Dallas International Entrepreneurship and Trade (DIET) Center. Four

Meeting special session on DNA ì Topology, October 8-10, 1999, Austin, TX.
ter based wireless networks. ì Future wireless mobile systems are expected to include a ì hierarchy of
ose to collaborate on statistical convergence aspects of some of the adaptive performance optimiz

$0.00	Galigekere	Engineering & Compu	10/28/2005	FALSE
$0.00	G. R.	Engineering & Compu	04/18/2006	FALSE
$0.00	G. R.	Engineering & Compu	05/10/2006	FALSE
$0.00	Chetan	Social Sciences	01/18/2006	FALSE

ne aspect of gene regulation ì common to most genes is the assembly of a preinitiation complex ì com
us upregulation of GTFs at day 14 post- partum in mice, and will use ALF as the principal model. T

$0.00	Jeff	Natural Science & Mat	01/27/2006	FALSE

o verify required security constraints are assured by the composition of its components and to asse
orms of cancer, including ì sporadic colorectal cancer. The development of an agent that can ì effect c
at the 5' end of the gene ì III protein in a commercially available phage or phagemid vector. ì Codons c
d regions of DNA, and (2) repair the methylation damage. The protein motif selected for our initial
ncorporated on one surface of the sheet. Specifically, one or more peptides corresponding to sma
f FP. Our approach involves 3 steps: 1) identification of structurally characterized protein domains
in of antiviral agents. These helix binding receptors would be designed using domain fragmentati
atures that lead to chemical reactivity of tetrahedral Zn(II) sites in proteins with (Cys)n(His or Asp)(
d beta-sheet fragments of RBDalpha:beta; (2) characterize protein-protein interactions between h
specific protein folds, & to facilitate certain chemical reactions such as alkyl transfers . This projec

$0.00	Gregg	Natural Sciences & Ma	12/17/2004	FALSE
$0.00	Gregg	Natural Sciences & Ma	01/25/2005	FALSE
$0.00	Gregg	Natural Science & Mat	01/13/2006	FALSE
$0.00	Gregg	Natural Science & Mat	01/30/2006	FALSE
$0.00	Gregg	Natural Science & Mat	08/23/2006	FALSE

serving to regulate neuronal numbers and to rid the nervous system of unwanted or superfluous
ent work performed in many ì different laboratories has led to the identification of several ì molecules t
ct is to examine ì the role of two known survival-regulatory molecules - the PKB/Akt ì kinase and the nu
would like to generate more conclusive evidence to support this conclusion and extend these studies
the mutation display a massive reduction in brain size, suffer from severe ataxia, tremors, sponta
ature of the developing nervous system, apoptotic death of neurons also occurs in neurodegenera
the activity of Akt. Focus will be placed on molecules that are known to regulate Akt activity in
leading to severe neurological abnormalities and premature death of affected animals. The overa
GW5074 is a potent inhibitor of c-Raf in vitro. It is unclear whether the neuroprotective effect of G
1% of the population over the age of 55. PD is caused by the death of dominergic neurons in the

$0.00	Santosh	Natural Sci National In	02/18/2005	FALSE
$0.00	Santosh	Natural Science & Mat	10/20/2005	FALSE
$0.00	Santosh	Natural Science & Mat	01/25/2006	FALSE
$0.00	Santosh	Natural Science & Mat	01/27/2006	FALSE
$0.00	Santosh	Natural Science & Mat	02/09/2006	FALSE
$0.00	Santosh	Natural Science & Mat	05/10/2006	FALSE
$0.00	Santosh	Natural Sci USARMRC	05/22/2006	FALSE
$0.00	Santosh	Natural Science & Mat	06/15/2006	FALSE

$0.00	Santosh	Natural Science & Mat	06/16/2006	FALSE
$0.00	Jing	Engineering & Compu	06/14/2005	FALSE
$0.00	Jing	Engineering & Compu	07/17/2006	FALSE
$0.00	Haines	Natural Sciences & Ma	01/21/2005	FALSE

nechanisms of membrane traffic, with emphasis on the newly discovered COPI-independent pathw
vith emphasis on retrograde transport from the Golgi towards the endoplasmic reticulum (ER). Unt
ject 1, to investigate changes in coatomer caused by di-amino compounds and peptides. We recer
to coat and organize nanotubes. The first objective of the project is to determine conditions unde

magnitude when an analyte molecule is attached to a nanostructured metal particle (surface enhanc

$0.00	Rockford	Natural Sciences & Ma	12/21/2004	FALSE
$0.00	Rockford	Natural Sci SBIR: Sma	06/06/2005	FALSE
$0.00	Rockford	Natural Sciences & Ma	07/11/2005	FALSE
$0.00	Rockford	Natural Sci SBIR	12/02/2005	FALSE
$0.00	Rockford	Natural Sci SBIR	01/05/2006	FALSE
$0.00	Rockford	Natural Science & Mat	08/24/2006	FALSE
########	Ding-Zhu	Engineering & Compu	10/25/2005	FALSE
$0.00	Dingzhu	Engineering & Compu	02/02/2006	FALSE
$0.00	Dingzhu	Engineering & Compu	03/02/2006	FALSE
$0.00	Dingzhu	Engineering & Compu	05/15/2006	FALSE

edel and Dumas) outlining key issues of accountability in development in preparation for the initial

########	Lloyd	Social Sciences	04/13/2005	FALSE

prove our understanding of the ì plasma layering processes active in the nighttime lower ì thermosphe
during the Winter/Spring of ì 2002/2003. UTD's participation in this investigation includes, ì but is not l
Flats, Alaska during the ì Winter/Spring of 2002/2003. UTD's participation in this ì investigation inclu
n Punta Lobos, Peru in the late winter/early spring of 2004. The experiment will be done in coll

########	Greg	Natural Sciences & Ma	03/14/2005	FALSE
$0.00	Greg	Natural Sciences & Ma	05/05/2005	FALSE
$0.00	Greg	Natural Sciences & Ma	05/18/2005	FALSE
$0.00	Greg	Natural Science & Mat	09/07/2005	FALSE
$0.00	Gregory	Natural Science & Mat	03/15/2006	FALSE
########	Catherine	Social Sciences	01/09/2006	FALSE
########	Catherine	Social Sciences	01/09/2006	FALSE
########	Catherine	Social Sciences	01/26/2006	FALSE
########	Catherine	Social Sciences	04/18/2006	FALSE
########	Sam	Engineering & Compu	08/16/2006	FALSE
$0.00	Sam	Natural Science & Mat	06/15/2006	FALSE

es for performance and ì presentations by outstanding Texas-based companies and artists ì through tl
unities for performance and presentations by outstanding Texas-based companies and artists throu
readings and lectures designed to represent many ethnic areas. Our publicity program is designe

$0.00	Kathryn	Arts & Humanities	08/19/2005	FALSE

Texas at Dallas. UTD ì shall carry out those aspects of the technical assistance and ì research involvir
of Texas at Dallas. UTD ì shall carry out those aspects of the technical assistance and ì research inv
project entitled "Center for Teaching ì and Learning: Knowledge-Building Professional Communities" ir
Reynolds Elementary Schools technical assistance necessary to duplicate the UTD Reading One-to-C
th grade students. This instruction is delivered by AmeriCorps members who are trained and moni
Athens Independent School District technical assistance necessary to duplicate the UTD Reading
8th grade students. This instruction is delivered by AmeriCorps members who are trained and mor

e University of Texas at Dallas. (2) Statement of Services Performed: UTD shall carry out those
and The University of Texas at Dallas. (2) Statement of Services Performed: UTD shall carry ou
at the University of Texas at Dallas, involves one-to-one reading instrucitons for 1st to 5th grad
helping at-risk elementary and secondary students achieve grade level reading ability. The strengt

helping at-risk elementary and secondary students achieve grade level reading ability. The strength

########	George	General Studies	10/12/2004	FALSE
########	George	General Studies	11/16/2004	FALSE
$0.00	George	General Studies	06/24/2005	FALSE
########	George	General Studies	08/19/2005	FALSE
########	George	General Studies	10/10/2005	FALSE
########	George	General Studies	10/10/2005	FALSE
########	George	General Studies	10/10/2005	FALSE
########	George	General Studies	10/10/2005	FALSE
########	George	General Studies	10/11/2005	FALSE
########	George	General Studies	10/20/2005	FALSE
$0.00	George	General Studies	06/15/2006	FALSE
$0.00	Andras	Engineering & Comput	05/23/2006	FALSE

estion of whether a ì residential aftercare program containing its particular features ì can achieve bette
se Programs. The evaluation ì will invole five activities: 1) a review of the pertinent ì research and eval
ervision of juveniles and families involved in substance abuse. The program will provide juveniles
MNIS, the Observatory for ì Multi-flavor Neutrinos from Supernovae. In OMNIS, signal ì detection utilies
Observatory for Multi-flavor Neutrinos from Supernovae. The primary scientific 'products' of OMN

$0.00	Ervin	Natural Sciences & Ma	02/14/2005	FALSE
########	Ervin	Natural Sci Departmen	06/14/2006	FALSE

l data from ì experiments in 1994, 1997, and 2000. The field operations are ì conducted in March 200
er flooding in the Prudhoe Bay, AK reservoir since 1993. Both theoretical work and field observ
r flooding in Prudhoe Bay, AK ì reservoir since 1993. Both theoretical work and field ì observations ha

(PERIENCE) PROGRAM, JOINED WITH A GEOPHYSICIST ACTIVE SOUTHERN CALIFORNIA

$0.00	John	Natural Sci Petroleum	12/09/2005	FALSE

apply classroom learning in a ì job context via an on-the-job internship program.
ay towards ì pi-conjugated organic systems with remarkably low energy gaps ì (Egap). The various ap
s to participate in research ì projects. This will grant the students an opportunity to gain ì experience o

Organic Solid State Lighting, Organic Solar Cells, Organic Transistor sensors, and High Efficiency
classroom learning in a job context via an on-the-job internship program.
classroom learning in a job context via an on-the-job internship program.
classroom learning in a job context via an on-the-job internship program.
classroom learning in a job context via an on-the-job internship program.
OMATEFREE COATINGS FO CORROSION CONTROL. OUR SPEIFIC CONTRIBUTIN WILL HE
e SPRING NanoEnergetics Hub at the University of Texas at Dallas will help generate game-char
RCE FOR AUTOMOTIVE, STATIONARY AND PORTABLE POWER.HYDROGEN/OXYGEN(AIR)

$0.00	John	Natural Sciences & Ma	01/28/2005	FALSE
$0.00	John	Natural Sciences & Ma	01/28/2005	FALSE
########	John	Natural Sciences & Ma	04/08/2005	FALSE
########	John	Natural Sciences & Ma	04/19/2005	FALSE
########	John	Natural Science & Mat	02/22/2006	FALSE
$0.00	John	Natural Science & Mat	05/11/2006	FALSE

midnight temperature maximum (MTM), a local maximum in the upper atmospehre temperature that
bility of the low latitude atmosphere and ionosphere. The tools to be used to include the NCAR up
cal issue for all ì telecommunications companies. SONET self-healing ring ì architectures, cross-conne
d are considered to be used in ì CDMA 2000. Since optimal decoding is not practical, iterative ì decodi
that branches somewhat from ì the SIA roadmap. Our point of departure is to address the problem ì o
of nanoswitching devices by ì developing and performing detailed physical simulations of these ì device
irst goal - entitled enhanced LIGA service capability - will expand the technology portfolio available

########	William	Engineering & Compu	04/11/2005	FALSE
$0.00	William	Engineering & Compu	04/13/2005	FALSE
$0.00	William	Engineerin AFOSR (S	05/15/2006	FALSE

n the language abilities ì of 200 children with specific language impairment. The four ì interventions are
veal that the effects of SLI ì are long-lasting resulting in serious social, academic, and ì vocational ram
Initial Tool Prototype (ITP); 2) Definition and development of Minimal Tool Capability (MTC); ì and,

onfiguring optical Internet. As opposed to conventional architectures in which the Optical Layer is
algorithms for mesh protection and restoration in network scenarios with transparent applications.

$0.00	Yuri	Natural Sciences & Ma	04/08/2005	FALSE
$0.00	Yuri	Natural Sci Petroleum	04/19/2006	FALSE
$0.00	Yuri	Natural Science & Mat	08/16/2006	FALSE

l aspects of central auditory and somatic function in persons with problem-tinnitus with the goal of c
ns with severe tinnitus and to measure the central auditory gain associated with these potentials.

$0.00	Phillip	Behavioral & Brain Sci	12/01/2004	FALSE

S ARRANGED IN A MANNER VERY SIMILAR TO A COMMON MAGNETIC RANDOM ACCESS M

########	Bruce	Engineering & Compu	12/08/2004	FALSE
########	Bruce	Engineering & Compu	12/15/2004	FALSE
$0.00	Bruce	Engineering & Compu	02/21/2005	FALSE
########	Bruce	Engineering & Compu	03/16/2005	FALSE
$0.00	Bruce	Engineering & Compu	04/05/2005	FALSE
$0.00	Bruce	Engineering & Compu	04/08/2005	FALSE
########	Bruce	Engineering & Compu	05/31/2005	FALSE
########	Bruce	Engineering & Compu	09/01/2005	FALSE
########	Bruce	Engineering & Compu	10/03/2005	FALSE
$0.00	Bruce	Engineering & Compu	11/03/2005	FALSE
$9,938.00	Bruce	Engineering & Compu	11/11/2005	FALSE
$0.00	Bruce	Engineering & Compu	11/22/2005	FALSE
########	Bruce	Engineering & Compu	01/04/2006	FALSE
$0.00	Bruce	Engineering & Compu	08/16/2006	FALSE
$0.00	Bruce	Engineering & Compu	08/30/2006	FALSE

model of the PLAD ì process. The final model, after all phases are complete, will ì result in an accurat

$0.00	Matthew	Engineering & Compu	02/08/2005	FALSE
$0.00	Matthew	Engineering & Compu	02/08/2005	FALSE

$0.00	Matthew	Engineering & Compu	04/08/2005	FALSE
$0.00	Matthew	Engineering & Compu	08/24/2006	FALSE

liagnostic tool for assessing ì comprehension of written material. The tool can be used by ì classroom t
em called ARCADE (Automated Reading Comprehension and Diagnostic Evaluation) that will be c
ubsequent years just prior to the Society for Mathematical Psychology Conferences in 2003 and 20

########	Richard	Behavioral and Brain S	06/22/2006	FALSE

ı wide spread phenomenon in both ì Gram-negative and Gram-positive bacteria. The model organism f

on in both Gram-negative and ì Gram-positive bacteria. The model organism for this form of gene ì reg
npound(s) present in the plant exudates of alfalfa. We will also examine the effect of alfalfa AHL-
echanisms that lead to the plant receptors that reecognize the presence of the exopolysaccharide
(alfalfa) and the Gram-negative bacterium Sinorhizobium meliloti. We have obtained strong evide
ıaracterized symbiotic relationship between Sino- rhizobium meliloti and its host Medicago sativa.
compounds affect the expression of quorum sensing regulated genes in two commonly used reporter

########	Juan	Natural Sciences & Ma	11/01/2004	FALSE
$0.00	Juan	Natural Sciences & Ma	01/10/2005	FALSE
$0.00	Juan	Natural Sciences & Ma	01/10/2005	FALSE
########	Juan	Natural Sciences & Ma	04/01/2005	FALSE
########	Juan	Natural Science & Mat	01/03/2006	FALSE
$0.00	Juan	Natural Sci Texas Hig	02/15/2006	FALSE
$4,000.00	Juan	Natural Science & Mat	07/28/2006	FALSE

) red blood cells (RBCs) become irreversible sickled cells (ISCs) and dense; a step towards devisi
the ubiquitin-proteasome system; whether such turnover is diminished in SCD erythropoietic cells

$0.00	Steven	Natural Sciences & Ma	05/20/2005	FALSE

ıes and neurofibrillary tangles (NFT). The NFT occur inside the neurons and are composed of pair
ɔitors may be designed to arrest or retard progression of AD and other neurodegenerative diseas
.ble to form PHF. Conformations of soluble forms of these peptides will be characterized by CD and
ficulties including the accumulation of partially oxidized chemically unstable intermediates. It has

$0.00	Warren	Natural Sciences & Ma	11/30/2004	FALSE
$0.00	Warren	Natural Sciences & Ma	01/28/2005	FALSE
$0.00	Warren	Natural Science & Mat	01/09/2005	FALSE
$0.00	Warren	Natural Science & Mat	01/31/2006	FALSE
$0.00	Warren	Natural Science & Mat	02/10/2006	FALSE
$6,000.00	Warren	Natural Science & Mat	05/19/2006	FALSE

ring the ì intervention). The teacher will be trained in research methods, ì coding using sophisticated co
n and data collection; advanced, newly-developed coding procedures; using sophisticated softwa
single strands of DNA. An ì important example of this typee of protein is one produced by a ì bacterial
DNA replication, repair, and recombination. The E. coli Ff virus encodes a gene 5 protein, g5p, t

c parameters that describe the binding of the Ff g5p to these various substrates. In particular, we v
hat have the potential to inhibit the translation of a specific gene product by binding to a comple
stranded molecule, the DNA goes through a stage where it is single-stranded. Special proteins bi
-stranded DNA binding proteins (ssDBPs). The specific aims of this project are to determine nucl

$0.00	Donald	Natural Sciences & Ma	01/06/2005	FALSE

$0.00	Donald	Natural Science & Mat	06/29/2006	FALSE
########	Daniel	Social Sciences	09/20/2005	FALSE

ı: Theory and Practice" (CCR 9820852), UTD will work on the following tasks: 1. Studying the co
ıl semantics (SOS) of programming languages. This leads to several advantages, most notably th
for developing new techniques that will enable visually impaired users to easily organize and c
RD 9906130), UTD will work on the task of non- visual browsing of frame based pages. The project
that will facilitate transparent, personalized, non- visual access (through phones and other audio
and time efficient and that can work with large real-life applications. Space efficiency will be achie
We propose to use Horn Logic and eventually Constraint Logic, to express formal semantics of l
tes VoiceXML and Web Agents, which will facilitate transparent, personalized, non-visual access
or the development of Multi-Agent Systems (MAS) with support for heterogeneous agent coordinatior

$0.00	Gopal	Engineering & Compu	11/17/2004	FALSE
$0.00	Gopal	Engineering & Compu	06/13/2005	FALSE
$0.00	Gopel	Engineerin Florida Inte	02/03/2006	FALSE
$0.00	Gopal	Engineering & Compu	05/12/2006	FALSE

s suspected to play a role in Alzheimer's Disease. This will involve starting from a DNA construct
Although not much is known yet about the enzyme itself, knowledge of the regiospecificity of cho

ısed on selective redox modulated interactions. Molecules like rotaxane exploit the ability to char

########	Donovan	Natural Sciences & Ma	01/25/2005	FALSE
$0.00	Donovan	Natural Sciences & Ma	1/28/2005	FALSE

latasets of the DMSP ì satellite observations with the SuperDARN radar observations ì during this thre

$0.00	Marc	Natural Sciences & Ma	01/04/2005	FALSE
$0.00	Marc	Natural Sciences & Math		FALSE
$0.00	Marc	Natural Science & Mat	09/02/2005	FALSE
$0.00	Marc	Natural Science & Mat	09/07/2005	FALSE
$0.00	Marc	Natural Science & Mat	03/02/2006	FALSE
$0.00	Marc	Natural Science & Mat	05/24/2006	FALSE
$0.00	Marc	Natural Science & Mat	07/26/2006	FALSE
$0.00	Marc	Natural Science & Mat	08/24/2006	FALSE
$0.00	Marc	Natural Science & Mat	08/24/2006	FALSE
$3,600.00	Andrea	Behavioral & Brain Sci	08/31/2005	FALSE
$0.00	John	Engineerin RADC	09/01/2005	FALSE
$0.00	John H.L.	Engineering & Compu	10/17/2005	FALSE
$0.00	John H.L.	Engineering & Compu	10/17/2005	FALSE
########	John	Engineering & Compu	03/15/2006	FALSE
########	John	Engineerin Penrose Li	04/26/2006	FALSE

: feedbacks as a technique that enhanced the search for a correct answer. In addition to these

########	Sanda	Engineering & Compu	10/12/2004	FALSE
$0.00	Sanda	Engineering & Compu	03/20/2006	FALSE

ım. Competing priorities for the use of space make expansion of microcomputer laboratories prol
DERS AND SAFETY PROFESS- IONAL ANVIGATE THROUGH THE BEWILDERING ARRAY OF
ESPONDERS AND SAFETY PROFESSIONALS NAVIGATE THROUGH THE VAAST ARRAY OF

$0.00	Doug	Engineerin Homeland	12/20/2004	FALSE
$0.00	Doug	Engineering & Compu	04/22/2005	FALSE
########	Doug	Engineering & Compu	10/07/2005	FALSE
########	Doug	Engineering & Compu	02/03/2006	FALSE

$0.00	Doug	Engineering & Compu	07/05/2006	FALSE

natory validity of learning models in real settings. Four loosly related real-world applications to lea

$0.00	Ernan	Management	01/11/2005	FALSE
$0.00	Ernan	Management	02/15/2006	FALSE
########	Vasileios	Engineering & Compu	06/20/2006	FALSE

aunch field support and ì sensor launch-readiness assessments for the Topside Ionospheric ì Plasma
ational network of GPS ì systems for atmospheric and geodetic research and education. ì Under the S
ehicles and the propagation of communication and navigation signals. As the need for increased a
vide key environmental data records for the National Polar Orbiting Satellite System (NPOESS). Tl
ovide key environmental data records for the National Polar Orbiting Satellite System (NPOESS).

$0.00	Roderick	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Roderick	Natural Sciences & Ma	12/21/2004	FALSE
$0.00	Roderick	Natural Sciences & Ma	02/18/2005	FALSE
$0.00	Roderick	Natural Sciences & Ma	03/02/2005	FALSE
$0.00	Roderick	Natural Science & Mat	09/16/2005	FALSE
$0.00	Roderick	Natural Science & Mat	10/24/2005	FALSE
$0.00	Roderick	Natural Sci Hanscom A	04/25/2006	FALSE
$0.00	Roderick	Natural Science & Mat	06/23/2006	FALSE
$0.00	Rod	Natural Science & Mat	07/21/2006	FALSE

IL spacecraft for the orbit on Oct 17, 1992 has revealed two important facts concerning the interac

$0.00	Walter	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Walter	Natural Science & Mat	11/01/2005	FALSE
########	Alberto	Engineering & Compu	02/02/2006	FALSE

ar University as part of a ì joint project between Lamar and UTD. The project is for the ì development
e human missions of exploration to ì planetary and other bodies in the solar system. It is well-known ì t
rodynamic tether facility ì to place satellites in orbit, change their orbit and/or remove ì them from orbit
fraction for the orbit transfer of satellites. The goal of the STEP-AIRSEDS Project is to develop ar
sample to evolve adsorbed gases, such as solar wind gases, or decompose the sample to release
be included in the scientific payload for the Mars ì Atmospheric-borne Regional Surveyor or MARS.
- ing technologies needed for producing artificial gravity using a deployed tethered satellite, and
Gas Analyzer (TEGA) from the University of Arizona to study the evolved gases from soil samples tl
technologies needed for producing artificial gravity using a tethered satellite system, and to pr
situ analysis of the composition of mixtures of gases and volatile organic compounds (VOCs). S
ARS A HIGH LATITUDES WHERE WATER HAS BEEN INDICATED TO EXIST (ODYSSEY MISSI
PECTROMETER INSTRUMENT ACCORDING TO THE REQUIREMENT AND SCHEDULE DEFI

$0.00	John	Natural Sciences & Ma	02/02/2005	FALSE
$0.00	John	Natural Science & Mat	01/25/2006	FALSE
$0.00	John	Natural Science & Mat	03/28/2006	FALSE

on democratic ì stability in Peru and Columbia. The aim is to establish which ì strategies are most effe

########	Shayla	Behavioral & Brain Sci	08/02/2005	FALSE
$0.00	Walter	Engineering & Compu	12/12/2005	FALSE
$0.00	Walter	Engineering & Compu	12/20/2005	FALSE
$0.00	Walter	Engineerin Texas Hig	02/16/2006	FALSE
$0.00	Walter	Engineering & Compu	08/16/2006	FALSE
$0.00	Mustapha	Natural Science & Mat	11/15/2005	FALSE
$0.00	Mustapha	Natural Science & Mat	05/04/2006	FALSE
$0.00	Mustapha	Natural Science & Mat	05/04/2006	FALSE
$0.00	Mustapha	Natural Science & Mat	05/04/2006	FALSE

########	Mustapha	Natural Science & Mat	05/12/2006	FALSE
$0.00	Mustapha	Natural Science & Mat	07/07/2007	FALSE
$0.00	Mustapha	Natural Science & Mat	08/30/2006	FALSE

', 2) more faculty ì involved in the development of such course materials, 3) more ì application of asyn
quence Era: A Workshop and ì Symposium." The subject matter of the conference is closely ì related t
energy production and its ì utilization) in normal and ischemic cardiac cells and its ì implications for ac
ng receptor-mediated signaling networks. Specific Aim 1 of the project is to develop a mathematic
decline. The work ì of William Julius Wilson, John Kasarda, Myron Orfield, David ì Rusk, PI, and other
agers in different ì neighborhoods, metropolitan areas (MSAs) and states. The PI will ì estimate model
poor. Poverty and Place: Ghettos, Barrios, and the American City (New York: Russell Sage Found
rgest increase in federal/state financing of children's health care since the passage of Medicaid in

########	Paul	Social Sciences	06/29/2006	FALSE

and aural/oral language as ì their primary mode of communication. The long term objective of ì this res
ing aids and aural/oral language as their primary mode of communication. Yet the degree of succe
children and how this developmnet is affected by childhood hearing loss (HL). Children with HL are
hearing loss (HL) and normal hearing (NH). We hypothesize that HL degrades and filters auditory

$0.00	Jason	Engineering & Comput	03/03/2006	FALSE

ocusing on how a member of ì the IAP class of proteins, Op-IAP, binds and inhibits the ì Drosophila ap
of Apoptosis) proteins and ì the apoptosis-stimulating Reaper, Grim, and Hid proteins. They ì contain 1
d and regulate (or are ì regulated by) Inhibitor of Apoptosis (IAPs). We have expressed ì and purified
ember of the IAP (Inhibito or Apoptosis) class of proteins binds and inhibits certain apoptosis- stimu
e fruit fly Drosophila. Dysfunctional regulation of apoptosis is associated with cell proliferation in ca
the fruit fly Drosophila. Dysfunctional regulation of apoptosis is associated with cell proliferation in
Drosophila. Apoptosis provides for the elimination of individual cells for the benefit of organism, s
tial conformational changes. This project investigates the basic chemistry underlying these intera
egulate apoptosis (programmed cell death). The Drosophilia DIAP1 contains two BIRs but only the
apoptosis (porgrammed cell death). IAP (Inhibitor of Apoptosis) proteins are found in all animals
gulate apoptosis (programmed cell death), a process implicated in the death of neurons in Huntin
ulate apoptosis (programmed cell death), a process implicated in the death of neurons in Huntingt
at are under severe stress. This research proposal focuses on a group of highly conserved and i
domains act at the level of IAP-caspase and/or IAP-stimulator interactions by quantitating BIR1
omains act at the level of IAP-caspase and/or IAP -stimulator interactions by quantitating BIR1 con

ACTING PROTEINS THAT RE GULATE APOPTOSIS. APOPTOSIS IS EVOLUTIONARILY CO NS

$0.00	Matthew	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Matthew	Natural Sciences & Ma	01/05/2005	FALSE

arly career scholars ì access to the Texas Schools Microdata Panel (TSMP), advice and ì guidance in
Some argue that ì parents-particularly low income parents-have little hope of ì making good selections
access to higher education. The proposed would allow us to broaden and deepen our research
the improvement, continued growth and maintenance of the UTD Texas Schools Microdata Pane

$0.00	Murat	Engineering & Comput	01/31/2006	FALSE
$0.00	Murat	Engineering & Comput	03/01/2006	FALSE

oral motor control difficulties ì subsequent to stroke, and to bring new data to bear on theories ì conce

$0.00	William	Behavioral & Brain Sci	02/28/2005	FALSE

ign skin biopsies. ì Towards this goal, the work involved includes the development of ì image processi

kin cancer and to lower the number of unnecessary benign skin biopsies. Towards this goal, the w
objective in this effort is to develop and utilize image processing and pattern recognition techniqu
ne video surveillance. A low light camera will be integrated into the OMAP platform and appropria

########	Nassar	Engineering & Compu	10/12/2004	FALSE
$0.00	Nasser	Engineering & Compu	12/08/2004	FALSE
$0.00	Nasser	Engineering & Compu	05/10/2005	FALSE
$0.00	Nasser	Engineering & Compu	05/09/2006	FALSE

rth American dimension to ì our respective institutions' education and training in the social ì sciences,
alization and Opportunities ì for Leadership in Democracies (GOLD) Leadership program beginning ì A
make the transition ì from two to four-year programs and attain a BA or BS degree in ì the social scie
lization, Democratization, ì and Governance. These web-assisted and real life ì courses/workshops wil
Texas at Dallas ì (UTD) Gender, Globalization and Opportunities for Leadership in ì Democracies (GOI

), facilitate the detection of changes in a RDF document in minute detail and at a finer grain than t
solution for intrusion detection with a real time basis. We bundle similar data records in a group.

$0.00	Latifur	Engineering & Compu	10/12/2004	FALSE
$0.00	Latifur	Engineering & Compu	07/11/2005	FALSE

rmance management system throughout all specified organizational departments of Collin County
y in the auditory ì system. Though much is known about synaptic plasticity ì mechanisms, the general
and communication. Acquisition of effective language skills is critical if individuals are to achieve
nsory information is derived from elegant studies using relatively simple sensory manipulations. T
behavior, and stereotyped interests. These symptoms lead to a form of isolation that disrupts the
uated. Electrical activation of the cholinergic projection to the cerebral cortex will be used to gener
neurons to human speech sounds and to demonstrate what experience-dependent changes in the n

$0.00	Michael	Behavioral and Brain S	10/28/2005	FALSE
$0.00	Michael	Behavioral and Brain S	11/28/2005	FALSE
$0.00	Michael	Behavioral and Brain S	01/31/2006	FALSE
########	Michael	Behavioral National In	04/12/2006	FALSE
$0.00	Michael	Behavioral and Brain S	06/29/2006	FALSE
########	Jiyoung	Engineering & Compu	08/30/2005	FALSE
$0.00	Jiyoung	Engineerin Texas Hig	02/15/2006	FALSE

$0.00	Moon	Engineering & Compu	02/07/2005	FALSE
########	Moon	Engineering & Compu	05/13/2005	FALSE
$0.00	Moon	Engineering & Compu	05/26/2005	FALSE
########	Moon	Engineering & Compu	07/01/2005	FALSE
$0.00	Moon	Engineering & Compu	07/11/2005	FALSE
########	Moon	Engineering & Compu	09/26/2005	FALSE
$5,000.00	Moon	Engineering & Compu	11/03/2005	FALSE
$0.00	Moon	Engineering & Compu	12/21/2005	FALSE
$0.00	Moon	Engineering & Compu	12/21/2005	FALSE
########	Moon	Engineering & Compu	01/19/2006	FALSE

$0.00	Moon	Engineering & Compu	08/16/2006	FALSE
$0.00	Mikhail	Natural Science & Mat	08/16/2006	FALSE

ational Music Festival in ì November 2001. The festival, entitled "Translation and ì Transformation: Me
focus on analysis of primary source documents and historiography aligned to the Texas Essential

$0.00	Dennis	Arts & Humanities	03/02/2006	FALSE
$0.00	Daniel	Behavioral and Brain S	05/15/2006	FALSE
$0.00	Murray	Social Sciences	01/14/2005	FALSE
$0.00	Murray	Social Sciences	02/20/2006	FALSE

ılation of the learning ì environment, and integration of science, science teaching and ì technology into
niques to realize communications transreceivers that include both digital and RF circuitry. The ma
onal (3-D) air core on-chip high quality factor solenoid inductors and metallic comb drive based
C) devices for optical interconnect, signal processing, communication and computing. We propos
hysics of charge transport and trapping, development and characterization of new dielectric deposi
e concepts based on flexible photonic crystal (PC). The fundamental science and engineering th

$0.00	Jeong-Bong	Engineering & Compu	11/17/2004	FALSE
$0.00	Jeong-Bong	Engineering & Compu	02/07/2005	FALSE
$0.00	Jeong-Bong	Engineering & Compu	02/07/2005	FALSE
$0.00	Jeong-Bong	Engineering & Compu	04/06/2005	FALSE
$0.00	Jeong-Bong	Engineering & Compu	11/14/2005	FALSE
$0.00	J. B.	Engineering & Compu	01/18/2006	FALSE
$0.00	J.B.	Engineering & Compu	02/06/2006	FALSE
$0.00	Jeong-Bong	Engineering & Compu	04/07/2006	FALSE
$0.00	J.B.	Engineering & Compu	07/11/2006	FALSE
$0.00	J.B.	Engineering & Compu	08/16/2006	FALSE
########	Charles	Arts & Humanities	05/03/2006	FALSE

GENDRED" NATURE OF REFERRALS, POTENTIAL DIFFERENT TREATMENT BY OFFIC- IALS

$0.00	Kimberly	Social Sciences	01/18/2006	FALSE

s regions, cyclobutane ì dimers, and the presence of DNA-damaging adducts. Efficient ì recognition a
tures of the Int ì superfamily of site-specific recombinases using Flp, Cre, and the ì Int system of bacte
fective DNA structures that are recognized by DNA repair systems. The specific aims are: 1. The
overhangs are both highly conserved and essential for maintenance of normal chromosome struc
naging

$0.00	Stephen	Natural Sciences & Ma	04/08/2005	FALSE
$0.00	Stephen	Natural Sciences & Ma	06/10/2005	FALSE
$0.00	Stephen	Natural Science & Mat	03/01/2006	FALSE
$0.00	Stephen	Natural Science & Mat	03/01/2006	FALSE

system. The ì implementation starts with the stage of photoreception, where ì light input is transformed
ıat mimics many anatomical and functional characteristics of the fly nervous system. At the end of
ated circuits and systems design. This general goal results two objectives. The first objective is to
TD) (Dr. Jin Liu) and Texas Instruments (TI), with the goal of UTD recruiting and educating studer
noise equalizers. For proof of concept, we plan to design and evaluate a 1GHz CMOS equalizer in
in order to observe phenomena that are impossible to be visualized and to explore the system desig

$0.00	Jin	Engineering & Compu	08/24/2006	FALSE
########	Yang	Engineering & Compu	09/15/2005	FALSE
$0.00	Ying	Engineering & Compu	02/07/2006	FALSE
$0.00	Yang	Engineering & Compu	07/12/2006	FALSE

$0.00	Yang	Engineering & Compu	08/31/2006	FALSE	
########	Magnus	Social Sciences	02/21/2005	FALSE	
########	Magnus	Social Sciences	05/24/2005	FALSE	

Data Panel (TSMP) to examine the economic returns to General Educational Development (GED)
current cochlear-implant ì speech processors. The specific aims of this project have not ì changed. Th

ogy can positively impact speech recognition performance. Our previous attempts using an AT&T

$0.00	Philipos	Engineering & Compu	10/12/2004	FALSE	
$0.00	Philipos	Engineering & Compu	12/08/2004	FALSE	
########	Philipos	Engineering & Compu	06/10/2005	TRUE	05-06 02/18/2005

quires the elucidation of both the essential contributions primary cerebral loci make to cognitive pro
ording to the direction of signal transmission in the hierarchy, the connections are classified as asc
n goal of this project is to determine what contributions the major afferent pathways to extrastriate

wledge of the neural functions spared by early lesions of areas 17 and 18 and to investigate the c
delayed match-to-sample (DMS) task or a form-to- color association task will be identified using a
m goal of the proposed work is to determine what contributions the major afferent pathways to ex
that underlie cognitive functions. Specifically, we seek to identify the interactive network compo

$0.00	Stephen	Behavioral & Brain Sci	02/04/2005	FALSE
$0.00	Duncan	Engineering & Compu	10/12/2004	FALSE
$0.00	Duncan	Engineering & Compu	10/12/2004	FALSE
$0.00	Duncan	Engineering & Compu	11/15/2004	FALSE
$0.00	Duncan	Engineerin Southern M	11/16/2004	FALSE
$0.00	Duncan	Engineering & Compu	03/24/2005	FALSE
$0.00	Duncan	Engineering & Compu	04/08/2005	FALSE
$0.00	Duncan	Engineering & Compu	04/20/2005	FALSE
########	Duncan	Engineering & Compu	05/05/2005	FALSE
$0.00	Duncan	Engineerin STTR: Sma	06/16/2005	FALSE
$0.00	Duncan	Engineering & Compu	09/30/2005	FALSE
$0.00	Duncan	Engineering & Compu	03/01/2006	FALSE
$0.00	Duncan	Engineering & Compu	03/22/2006	FALSE
$0.00	Duncan	Engineering & Compu	05/01/2006	FALSE
$0.00	Duncan	Engineering & Compu	08/28/2006	FALSE
$0.00	Mandy	Behavioral and Brain S	09/27/2005	FALSE
$0.00	Sanjeev	Natural Sciences & Ma	10/22/2004	FALSE

RESULTED IN MORE THAN 90% REDUCTION OF THE LEAD CONTENT OF THE U.S. DIET O
students. Many of these ì children have little English exposure until the elementary years. ì Many first
ersions of the CDI instruments. The current version of the CDI Scoring Program can score, track
econdary students (U.S. Dept. of Education, 1997-98), many of whom participate in bilingual or ES

########	James	Social Sciences	11/28/2005	FALSE
$0.00	Issac	Social Sciences	11/24/2004	FALSE
$0.00	Isaac	Social Sciences	02/07/2005	FALSE

$0.00	Isaac	Social Sciences	04/12/2006	FALSE
$5,000.00	Isaac	Social Sciences	05/12/2006	FALSE
$0.00	Isaac	Social Sciences	06/27/2006	FALSE

rtance. Current methods of estimating gas hydrate saturation from seismic data are generally bas
multi-channel data, from acoustic to viscoelastic inversion, and from 2-D to 3-D data and models,

$0.00	George	Natural Sciences & Ma	02/23/2005	FALSE
$0.00	George	Natural Sci Advanced I	02/07/2006	FALSE
$0.00	George	Natural Science & Mat	05/26/2006	FALSE

s are evaluated to ì assess their utility in providing reaction-based colorimetric andì /or fluorescent diag

escent diagnostics for testing CFD sub-grid mixing models and (2) reaction-based diagnostics for th
OF REATORS IN THE CHEMICAL PROCESS INDUSTRY IF INEFFECTIVE MIXING.THE BYPRO
RE EFFECTIVE SET OF FLUO- RESCENT DIAGNOSTICS FOR INDUSTRIAL MIXING PROCES-

########	Lynn	Natural Sciences & Ma	02/24/2005	FALSE

systems (or enterprise resource planning, i.e., ERP systems) and supply chain management (SCI
means of natural language techniques. To this end she will follow three main objectives. (1) Defin

informal descriptions of software requirements. Our choice of NLP tool is the Ergo parser develop

chondrion. The ì mechanism by which genetic information is expressed as cellular ì attributes is often s
type of RNA editing within mitochondria of the Myxomycota in order to determine how this method

$0.00	Candice	Behavioral and Brain S	03/01/2006	FALSE

wireless communications systems requirements/ environments together with other related technolo
MUNICATION SYSTEMS.THIS PROJECT ADDRESS FUNDAMENTAL AND MAJOR ISSUES IN

$0.00	Hlaing	Engineering & Comput	02/03/2005	FALSE
$0.00	Hlaing	Engineering & Comput	07/18/2005	FALSE
$0.00	Hlaing	Engineering & Comput	10/06/2005	FALSE
$0.00	Hlaing	Engineering & Comput	02/07/2006	FALSE
$0.00	Neeraj	Engineering & Comput	11/23/2004	FALSE
$0.00	Neeraj	Engineering & Comput	01/12/2006	FALSE
$0.00	Neeraj	Engineering & Comput	07/18/2006	FALSE

ctivity" in several drilling sites that span a spectrum of sedimentary environments and oceanograp
Leg 182 samples (Mitterer et al., 2001). A summary of Leg 182 results will establish the conn
t expansions, business intelligence, and others. The objectives of this project are to: identify re
xt. We also propose to develop a semantic parser capable of identifying a large set of semantic
SINGLY IMPORTANT IN ONT OLOGY DEVELOPEMNT, INFORMATION EXTRACTION, QUEST I
ment the Mother-Daughter ì Program at Thomas J. Rusk Middle School starting in February 2000 ì in a
al use of their computer labs by ì offering on-line courses tailored to in-service and graduate ì credit-se

ty, in the form of sulfu and ì NOx emissions, on the demand to emission cutbacks. Such ì investiagatic
nal air pollution ì "concentration-response" functions. One application is ì considered-the effects of air
measurement of the relation ì between the ambient concentrations of criteria pollutants and ì socio-ecor

such as Geographic Information Systems (GIS), Global Positioning Systems (GPS) and Remote

$9,999.99	James	Social Sciences	07/19/2005	FALSE
$0.00	James	Social Sciences	08/29/2006	FALSE

n microscope (ESEM) will be ì housed in a new "Sub-Micron Imaging Facility" at UT-Dallas where ì the
paration of carbon dioxide from methane, important for natural gas treating and enhanced oil recc
ealized or projected for the construction of molecular scale sensors and device structures. We will

$0.00	Inga	Natural Sciences & Ma	01/25/2005	FALSE
$0.00	Inga	Natural Sciences & Ma	04/06/2005	FALSE
$0.00	Inga	Natural Science & Mat	01/30/2006	FALSE
$0.00	Inga	Natural Science & Mat	03/09/2006	FALSE
$4,689.00	Ram	Management	06/01/2006	FALSE
$0.00	Yu (Vincent)	Engineering & Comput	01/12/2005	FALSE
$0.00	Vincent	Engineering & Comput	07/12/2006	FALSE
$0.00	Steven	Natural Science & Mat	01/27/2006	FALSE
$0.00	Steven	Natural Science & Mat	04/20/2006	FALSE

classroom teachers and students a critical knowledge, experience, and understanding of IT- infus

########	Rebekah	General Studies	11/15/2004	FALSE

ı as space-time coding, this concept extends the idea of delay diversity to achieve impressive pe
annels. In these situations, it is no longer adequate -- or often even possible -- to construct a "virtu
vorks, by allowing mobile terminals to cooperate with each other. Cooperation strategies reduce t
this research. The first component of this investigation is dedicated to the development of new,

$0.00	Aria	Engineering & Comput	01/06/2005	FALSE
$0.00	Aria	Engineering & Comput	01/24/2005	FALSE
$0.00	Aria	Engineering & Comput	03/03/2006	FALSE

ed interconnects which bind the internal cores to one another. This project consists of three majo

ccurring on the SoC high-speed interconnects are combined in a unified model. Task 2 - The goal
and develop an integer linear programming (ILP) formulation that optimizes various factors to achi
loped that includes various signal integrity problems occurring on the SoC's high-speed interconn

$0.00	Mehrdad	Engineering & Comput	06/03/2005	FALSE
$0.00	Simeon	Engineering & Comput	04/28/2006	FALSE

plications, primarily in biomedical research. The aim is to develop general system theoretic meth
nal tools for the analysis of experimental results obtained using fluorescence microscopy, with the

ecule experiments. In particular, we address fundamental problems using methods that are novel

$0.00	Raimund	Engineering & Comput	02/11/2005	FALSE
$0.00	Raimund	Engineering & Comput	10/25/2005	FALSE
########	Raimund	Engineering & Comput	01/13/2006	FALSE

ffect has implications for ì understanding a number of basic issues in how we represent the ì informati
more accurately than ì faces of other races. We will test two alternative theoretical ì accounts of the ot
rson images designed to ì provide comprehensive and controlled tests of the automatic ì systems deve

$0.00	Alice	Behavioral and Brain S	03/09/2006	FALSE

etches before the ì end of this calendar year to determine which chemistry works best ì for the etch pro
run at atmospheric pressures and can use a carbon-based feedstock gas. The official statement

$0.00	Lawrence	Engineering & Comput	12/02/2004	FALSE
########	Lawrence	Engineering & Comput	09/06/2005	FALSE

tive, longitudinal study of a cohort of 1103 children and their families, first enrolled at one month c

s fourth phase, to follow the study participants from age 13 to 17. The principal purpose of Phase
period of January 1,2005 through December 31,2009. UTD's primary role in the R01 will be to over

$6,891.00	Margaret	Behavioral & Brain Sci	11/12/2004	FALSE
$0.00	Margaret	Behavioral & Brain Sci	05/02/2005	FALSE
$0.00	Margaret	Behavioral and Brain S	01/05/2006	FALSE
########	Betty	Natural Sciences & Ma	10/22/2004	FALSE
########	Betty	Natural Sci National In	12/22/2004	FALSE

$0.00	Betty	Natural Sci National H	01/26/2005	FALSE
$0.00	Betty	Natural Science & Mat	09/26/2005	FALSE
$0.00	Betty	Natural Science & Mathematics		FALSE
$0.00	Betty	Natural Science & Mat	05/02/2006	FALSE
$0.00	Issa	Engineering & Compu	07/18/2005	FALSE
$0.00	Issa	Engineering & Compu	07/18/2006	FALSE
$0.00	Issa	Engineering & Compu	09/15/2006	FALSE
$0.00	Issa	Engineering & Compu	09/15/2006	FALSE

ions and entirely new physical or chemical properties as a result of its small size. Molecules such
es will be characterized ì where the chemistry of each surface will be designed to overcome ì the pred

nalized glasses, site-selective photobiotin chemistry, and the biotin-avidin interaction. Based on t

$0.00	Paul	Natural Science & Mat	01/30/2006	FALSE
########	Mike	Management	08/18/2005	FALSE

cipate in research ì projects. This will grant the students an opportunity to gain ì experience of the real
participate in research projects. This will grant the students an opportunity to gain experience of
participate in research projects. This will grant the students an opportunity to gain experience of
exas at Dallas to ì participate in research projects. This will grant the students an ì opportunity to gain e
gest and least studied ì Iranian ophiolites. Moreover, it is superbly exposed with most ì geologic eleme

to awareness and faculty development with a two- part course sequence beginning in the fall of 2

$0.00	Sheila	Social Sciences	10/28/2004	FALSE
$0.00	Sheila	Social Sciences	11/10/2005	FALSE
$0.00	Balakrishnan	Engineering & Compu	01/18/2005	FALSE

computing in mobile systems. Mobile systems, especially mobile ad hoc networks (MANETs), are
expected to provide Quality of Service (QoS) guarantees to mobile users for integrated multi-me
automatically adapt to changing configurations as needed and enable the creation of dynamic

########	Ravi	Engineering & Compu	10/12/2004	FALSE

er pressures of about 14 Gpa in order to develop phase equilibrium constraints on melt generation
of model lherzolite-basalt mixtures in the six-component system CaO-MgO-Al2O3-SiO2-Na2O-FeO

$0.00	Dean	Natural Sciences & Ma	01/25/2005	FALSE

s to prevent and to respond to emergencies with real-time situational information from multiple so

########	Fang	Social Sciences	03/30/2005	FALSE

ey provide acceptable ways to cope with the intractability of many real-life optimization problems.

$0.00	Balaji	Engineering & Compu	01/05/2005	FALSE

blem of state ì preparation in quantum control; and ii) develop nonlinear control ì laws which work in th
cessful, it will not only lead to better techniques for atomic/molecular control but also to concrete
nical systems. The qualifier "engineering" means aspects of information, control and identificatio

$0.00	Viswanath	Natural Sciences & Ma	10/12/2004	FALSE
$0.00	Viswanath	Natural Sciences & Ma	10/28/2004	FALSE
$0.00	Viswanath	Natural Science & Mat	09/13/2005	FALSE

egulation, and their ì integration with other pathways in the model organism E.coli. ì This project focuse
factors (VF). Iron limitation ì stimulates VF synthesis and reduces aconitase activity. The ì central hyp
enced organism Escherichia coli. We will focus on two related physiological themes: the metaboli

laced in all the proposed genes of putrescine catabolism, and the mutant phenotypes examined.
:ollege, but before she enters graduate school. The request is based on the accomplishments of the

$0.00	Lawrence	Natural Sciences & Ma	01/19/2005	FALSE
$0.00	Lawrence	Natural Science & Mat	01/12/2006	FALSE

ns of sexual assault, ì domestic violence, and stalking on campus II. Establish or strengthen comp
was one of our officers assigned to the JTTF, he was also our undercover officer for narcotics and

$0.00	Scott	Social Sciences	11/23/2004	FALSE
########	Scott	Social Sciences	10/03/2005	FALSE

d importance of early ì detection and intervention of hearing loss in infants. The ì program objectives a
program at the Callier Center for Communication Disorders in Dallas.
rement of Temporary Threshold Shifts. It will be conducted in accordance with the protocol entitle
d with hearing loss through the education of families, early intervention personnel, and pediatricair

$0.00	Pam	Behavioral & Brain Sci	05/24/2005	FALSE
$0.00	Pamela	Behavioral and Brain S	02/22/2006	FALSE

of Texas at Dallas to ì participate in research projects. This will grant the students an ì opportunity to g
participate in research ì projects. This will grant the students an opportunity to gain ì experience of the

$0.00	Rama	Engineering & Compu	06/16/2005	FALSE
$0.00	Rama	Engineering & Compu	07/19/2005	FALSE
$0.00	Rama	Engineering & Compu	07/19/2006	FALSE
$0.00	Rama	Engineering & Compu	08/16/2006	FALSE

emphasizing wireless systems with adaptive receivers and transmitters. To maximize the wireless
xible data services through available limited bandwidths. Interferene and multipath fading inherent
emphasizing wireless systems with adaptive receivers and transmitters. To maximize the wireles
this work is to develop a research project on adaptive transmitters and receivers in order to mar
emphasizing wirelss systems with adaptive receivers and transmitters. To maximize the wire- les

$0.00	Mohammad	Engineering & Compu	03/17/2005	FALSE

THE PARTICIPATION OF WOMEN AND MINORITIES IN ITWF

$0.00	Kamil	Engineering & Compu	02/07/2005	FALSE
$0.00	Kamil	Engineering & Compu	02/27/2006	FALSE
$0.00	Kamil	Engineering & Compu	07/17/2006	FALSE
$0.00	Rainer	Arts & Humanities	08/12/2005	FALSE
$0.00	Rainer	Arts & Humanities	08/10/2006	FALSE

ual content of images and video ì between a large number of Internet sites. The effectiveness of ì index
magnetic spectrum, spatial and temporal dimensions, etc. This research is aimed at investigating t
al images and video dominate Internet content, and are generated by inexpensive digital cameras

These philosophies emphasize the potential for individuals with disabilities to be active and effect

$7,200.00	Richard	Social Sciences	02/03/2006	FALSE

evelop interdisciplinary graduate programs in urban and regional planning at UP (incorporating so
FIRMS DECIDE WHETHER TO LOBBY,HOW TO ALLOCATE RESOURCES AMONG POLITICAL

########	Carl	Engineering & Compu	10/17/2005	FALSE
$0.00	Carl	Engineering & Compu	12/12/2005	FALSE
$0.00	Carl	Engineering & Compu	03/14/2006	FALSE
$0.00	Carl	Engineering & Compu	06/28/2006	FALSE

unded theory and methodology of nonparametric and robust data analysis in arbitrary dimension t

########	Robert	Natural Sciences & Ma	10/12/2004	FALSE

is study of graph transformations and scheduling algorithms is required. Traditional retiming is
SP and communications applications. The essential part of an emulator is FPGA chips, which are

experiments for system synthesis of realistic complex applications. The project considers varie
$0.00 Hsingmean (Edwin) Engineering & Compu 01/04/2006 FALSE
$0.00 Edwin Engineering & Compu 02/27/2006 FALSE
multiple objectives. The optimization technique with criteria of time, area, memory, program size

$0.00 Anu Behavioral NIDCD 11/17/2005 FALSE
tool for examining intermediary metabolism in intact tissues and to apply such techniques to the inv
development and application of high relaxivity, biologically responsive, gadolinium-based MR im
monitoring therapeutic responses of neoplastic tissues. We have made significant progress in de
I) agents capable of reporting molecular events using standard imaging protocols. All early des
intermediary metabolism in isolated, perfused organs. The five specific aims of this competing r
or a new type of "functional" contrast agent (CA) based upon prototropic exchange of water proton
whose water exchange properties change in response to a biological binding event. Our prototype
biological events inside the human body. We have recently discovered a new class of lanthanide
IMAGING AGENTS BY SHOW- ING THAT ONE CAN DESIGN AND OMPLEMENTS AGENTS THAT
######## Allan Natural Sciences & Ma 01/25/2005 FALSE
$0.00 Allan Natural Sciences & Ma 03/23/2005 FALSE
$0.00 A. Dean Natural Sciences & Ma 07/19/2005 FALSE
######## A. Dean Natural Science & Mat 02/21/2006 FALSE
$7,052.00 A. Dean Natural Science & Mat 05/19/2006 FALSE
macrocyclic framework have been the subject of intense study in recent years. Very recently, we

sition metal ions with the resultant complexes studied (through "wet" chemistry and computation) f

$0.00 John Natural Science & Mat 01/13/2006 FALSE
lyze strategies for achieving self-sustained economic development of rural economies. The project
with main emphasis being made on enhancement of region-centered approach for the analysis of s
techniques for spatial data analysis (SDA) and exploratory spatial data analysis (ESDA). The scope
ucture and services and identifying and evaluating gaps in universal service in the Appalachian Re
hile emphasizing location and characteristics of science and technology in Appalachia, the study co
y. It will focus on three research issues. First issue is to overcome the limitation of regional econo
$0.00 Melanie Behavioral & Brain Sci 11/12/2004 FALSE
$0.00 Melanie Behavioral and Brain S 11/07/2005 FALSE
innovative techniques in the assembly of printed circuit boards (PCBs) to increase manufacturing p
of significant industry relevance in electronics manufacturing, characterized as the multi-stage (mach
solution algorithms, for a problem of significant industry relevance in electronics manufacturing, c
to engineer DNA molecules in which defined degrees of conformational distortion emulate the protein
telomeric DNA consists of many repeats of the sequence TTAGGG, in which the G-rich strand ext
noes in the Southern Seamount Province of the Mariana Arc. 1) Is the pattern of mantle depletion a
exas at Dallas to participate in research projects. This will grant the students an opportunity to gain
, Resources, and Environment of Hispanic America". This will be adapted from a course entitled

######## Robert Natural Sciences & Ma 11/04/2004 FALSE
$0.00 Robert Natural Sciences & Ma 12/08/2004 FALSE
######## Robert Natural Sciences & Ma 01/13/2005 FALSE
######## Robert Natural Sciences & Ma 06/13/2005 FALSE
$0.00 Robert Natural Science & Mat 02/14/2006 FALSE
$0.00 Robert Natural Science & Mat 07/14/2006 FALSE
######## Marianne Arts & Humanities 12/21/2005 FALSE

OF AVAILABLE ASSESS- MENT PRACTICES SUITABLE FOR CHILDREN WHO ARE DEAF-BLI
ıd Computing (MobiHoc). The symposium will be held October 4-5, 2001 in Long Beach, Californ
state Approach to Dynamic Spectrum Utilization". This Statement of Work (SOW) encompasses

ıippocampal function in rats, using dose schedules mimicing human PCP use. We will also assess

$0.00	Bhavani	Engineering & Compu	11/23/2004	FALSE
$0.00	Bhavani	Engineering & Compu	01/21/2005	FALSE
$0.00	Bhavani	Engineering & Compu	06/09/2005	FALSE
$0.00	Bhavani	Engineering & Compu	01/13/2006	FALSE
########	Michael	Social Sciences	01/09/2006	FALSE
$0.00	Michael	Social Sciences	03/02/2006	FALSE

ents due to electrical currents ì flowing from the ionosphere to the earth. These are affected by ì solar a
and also longer term changes, such as doubling of activity in the 20th Century. There are many c
es to cover a wide range of cloud parameters (pressure, temperature, and humidity); droplet para

$0.00	Brian	Natural Sciences & Math	FALSE
$0.00	Brian	Natural Science & Mat	04/04/2006	FALSE

ased digital hearing ì aid by testing subjects using TI supplied programmable DSP ì hearing aid hardw

to subserve a dramatic increase in the role of functional neuroimaging in psychiatry, neurology,
D LANGUAGE FOLLOWING COCHLEAR IMPLANTATION IN THE DEAF

$0.00	Emily	Behavioral & Brain Sci	02/18/2005	FALSE
$0.00	Emily	Behavioral and Brain S	09/27/2005	FALSE
$0.00	Emily	Behavioral and Brain S	10/26/2005	FALSE
$0.00	Emily	Behavioral and Brain S	11/28/2005	FALSE
$0.00	Emily	Behavioral and Brain S	02/15/2006	FALSE
$0.00	Emily	Behavioral and Brain S	05/22/2006	FALSE

ugh diagrams the ì structure of information spaces. The benefits of information ì visualization include a
ues in information ì visualization, link analysis, computational geometry, Internet ì computing, and algo

cations including a wideband software radio testbed. The testbed will provide an open platform fo
cations including an experimental SDMA platform. Over the next five years, the PI will develop tra

ation and Applications" which in 1996 was extended to 1998 and then was further extended to 200
ɔidly expanding domain of network-centric computing. The naturally distributed nature of agent cor
zing answers, and selecting the correct template for the query.

t, various network modules exchange information to efficiently allocate the limited available resour
logistics planning. We carry out a worst-case evaluation of these problems. Following this, we wi
sportation constraints and (ii) scheduling under machine breakdowns. These problems have app
Sensor Localization: We pose the problem of locating a sensor as an optimization problem where

$0.00	Ravanasamudram	Engineering & Compu	01/20/2005	FALSE

ınger expression in peer ì interactions during middle childhood and early adolescence, and ì to examir
nd being the victim of ì social and physical aggression. Whereas physical aggression ì inflicts or threa
in and being the victim of social and physical aggression. The study will follow a normal sample of

$0.00	Marion	Behavioral & Brain Sci	02/24/2005	FALSE
$0.00	Marion	Behavioral and Brain S	06/19/2006	FALSE

The project PI, Rebecca Lindell, has already created one such test to probe student understandir

$0.00	Mary	Natural Sciences & Ma	03/04/2005	FALSE
$0.00	Mary	Natural Sciences & Ma	03/29/2005	FALSE
$0.00	Mary Jo	Other	03/03/2006	FALSE

l THIS PROPOJECT.THE PI FROM UTD WILL JOINTLY(WITH UT-SW) HAVE IN CONNECTION

########	Subbarayan	Engineering & Compu	06/13/2005	FALSE
########	Subbarayan	Engineering & Compu	09/19/2005	FALSE
$0.00	Sarita	Natural Science & Mat	11/01/2005	FALSE
$0.00	Sarita	Natural Science & Mat	03/02/2006	FALSE

Mission and Eladio R. ì Martinez Learning Center with each site working cooperatively to ì share reso
District technical ì assistance necessary to duplicate the UTD Reading One-to-One ì Program at a total
st Carrollton School District ì technical assistance necessary to duplicate the UTD Reading ì One-to-Or

$0.00	Wim	Social Scie University (	10/12/2004	FALSE

allas and to create informed and literate users of information. Needs include improving access to ir

$0.00	Eric	Engineering & Compu	06/12/2006	FALSE
$0.00	Robert	Engineering & Compu	01/10/2005	FALSE
$0.00	Robert	Engineering & Compu	05/17/2006	FALSE

al Area Network. The power source that all but portable devices plug into anyway can double as a
configurable VLIW machines: (1) Instruction set design and performance evaluation: Unlike a cor
RING OF RESOURCES AND THUS HELP IN EFFICIENT BANDWIDTH UTILIZARION FOR SUDI
USING DSP PROCESSORS FOR DSM BASED NEXT GENERATION DSL SYSTEMS.OUR GOAL I
ed or in closely ì related areas sufficient to support proposals to funding agencies ì for additional resea
ite, for verification of real-time systems, in particular, the timing and race conditions. More specific
re Server as part of the Wireless Multimedia Technology Integration Platform (WMTIP). We will
A SET OF COURSE MODULES FOR TEACHING FUNDAMENTAL AND CUTTING EDGE SOFT

########	Eric	Engineering & Compu	10/12/2004	FALSE
########	Eric	Engineering & Compu	10/12/2004	FALSE
########	Eric	Engineering & Compu	10/22/2004	FALSE
########	Eric	Engineering & Compu	10/22/2004	FALSE
########	Eric	Engineering & Compu	01/07/2005	FALSE
########	Eric	Engineering & Compu	03/21/2005	FALSE
########	Eric	Engineering & Compu	04/29/2005	FALSE
########	Eric	Engineering & Compu	06/29/2006	FALSE
########	Eric	Engineering & Compu	08/03/2006	FALSE

roject to develop faculty's ì ability to assist their teaching assistants to become reflective ì practitioners
prediction systems based on optimal vector space representations of proteins that have previously

$0.00	Weili	Engineering & Compu	01/04/2005	FALSE
$0.00	Weili	Engineering & Compu	02/03/2005	FALSE
$0.00	Weili	Engineering & Compu	02/07/2005	FALSE
$0.00	Weili	Engineering & Compu	07/17/2006	FALSE
$0.00	Tianbing	Natural Science & Mat	01/10/2006	FALSE
$0.00	Tianbing	Natural Science & Mat	01/18/2006	FALSE
$0.00	Tianbing	Natural Science & Mat	01/24/2006	FALSE
$0.00	Tianbing	Natural Science & Mat	01/27/2006	FALSE
$0.00	Tianbing	Natural Sci American (	04/13/2006	FALSE
$0.00	Tianbing	Natural Science & Mat	07/14/2006	FALSE

role of this process on ì evolution and industrial/agricultural microbiology. Specifically, ì one student wi

:idase lysostaphin into a ì prophylactic agent for the treatment of Staphylococcus caused ì diseases. S
the Wind River Conference on Genetic Exchange; Transformation Meetings), to be held this acade

stationary phase-induced mutagenesis as well as give the first real insight into the genetic proc
ool will be tailored to the ì specific educational needs of Electronic Commerce Resource Center ì (ECF
damental photo-chemical processes of oxygen interaction with single wall carbon nanotubes (SWC
ecules, which, when embedded into a polymeric donor-acceptor (DA) network, will have a new pr
EST, NMR, X-ray diffraction and other analytical tools to investigate the nanocomposites of DNA

$0.00	Anvar	Natural Sciences & Ma	10/12/2004	FALSE
########	Anvar	Natural Sci Ahair	10/12/2004	FALSE
$0.00	Anvar	Natural Sciences & Ma	11/15/2004	FALSE
$0.00	Anvar	Natural Sciences & Ma	12/08/2004	FALSE
$0.00	Anvar	Natural Sciences & Ma	12/08/2004	FALSE
########	Anvar	Natural Sciences & Ma	01/28/2005	FALSE
########	Anvar	Natural Sciences & Ma	04/11/2005	FALSE
$3,500.00	Anvar	Natural Sciences & Ma	04/19/2005	FALSE
$0.00	Anvar	Natural Sciences & Ma	05/04/2005	FALSE
########	Anvar	Natural Science & Mat	09/28/2005	FALSE
$0.00	Anvar	Natural Science & Mat	11/21/2005	FALSE
$0.00	Anvar	Natural Science & Mat	11/21/2005	FALSE
$8,500.00	Anvar	Natural Science & Mat	04/26/2006	FALSE

for high performance distributed programming. We expect the following major outcomes: A dist
l programming languages that can be used for rapid software prototyping. Visual programs are ea
uctures specified in XML and transformation of one structure to another, in a general framework o

:IFICATIONS AND TRANSFOR MATIONS

$0.00	Kang	Engineering & Compu	03/04/2005	FALSE
########	Kang	Engineering & Compu	11/14/2005	FALSE
$0.00	Kang	Other	03/15/2006	FALSE

es/routers with ultra-high line speed and throughput. This effort will be focused on efficient algorith
ope of this proposed research covers both optical interconnection networks and optical networks.

########	S.Q.	Engineering & Compu	01/05/2005	FALSE
$0.00	S.Q.	Engineering & Compu	01/24/2005	FALSE
$0.00	S.Q.	Engineering & Compu	01/24/2005	FALSE

rformance; b) Derive correspondingly high efficiency numerical methods; c) Investigate the m
erties of such transform, and its relation to the existing Fourier, Laplace and z-transforms. Along

Specialist CFDA .
rmal alteration zones in arid regions using orbital optical radar remote sensing data. The pilot proj
ib-Ariab suture in Sudan. This 600-km- long suture zone is one of the few geologic features, whicl
gery and ASTER multispectral imagery. This project addresses two major scientific issues: 1) Hov
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Fair. This work will be performed in active collaboration with investigators at UT Southwestern, p
eloped in the human identification at a distance DARPA ì initiative. Three series of experiments will be p
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ping techniques, developed at UTD, make it possible to ì map and image subtle but important geologica
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ific aims of the study are to: (1) determine the amplitude ì growth and recovery functions for each active
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erance is substantially improved, minimize fuel crossover and water transport for direct methanol fu
ving existing polymer characteristics is the development of membrane systems that perform well at
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l future issues in designing large-scale systems. The key objective is the generation of innovative
future issues in designing large-scale systems. The key objective is the generation of innovative
will bring a strong team of investigators for multi-disciplinary research exploiting advanced compu
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DC 16.560
ementation style (e.g. CMOS and transmission gate) sensors that detect excessive delay and nois
twork in which each node can simultaneously conduct ì full-duplex communication over multiple links at
parse-grained configurable logic blocks connected ì together by programmable local and global inter-cor

ighly dynamic environment. The network ì will be designed to support realtime and non-realtime multim
l parameters for the TQI model will be extracted from customer satisfaction data so that the ove
oductivity and created the potential for success in this ì growing market. However, the lack of commens
and integration of systems from components. The purpose of the project is to develop innovative

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vith nanotubes as predicted. Once helices are demonstrated to wrap nanotubes, the second obje
salt, the presence of organic additives, and changes in peptide sequence that might influence the

es, either a-helices or b-sheets, & which interact non-covalently with nanotubes. There are three
esearchers, one Nobel Laureate in Chemistry and three National Academy of Science and Engin
t in the development of commercializable technologies for: (1) Continuous monitoring of hazardou

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on, modeling and flow simulation. Our project develops a catalog of outcrops and shallow subsu

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Texas Regional Alliance will increase the quantity and quality of students with disabilities recei
nt,well -being, and deviance. We will use social disorgan -ization theory to examine whether differ
study the perceptions of agency regarding measures that are currently in place. This proposal is

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stem called ARCADE (Authentic Reading Comprehension Assessment and Diagnostic Evaluatior
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he specific aims are: 1.Qualify differentially expressed proteins in Bt-susceptible (S) and - resis
eptible and resistant to Bt subsp. kurstaki. Comparison of fluorescent labeled protein profiles of gu

sciplinary Master's degree program with a Graduate ì Telecommunications Engineering Certificate avail
Specifically, we seek to test the hypothesis that a Zn(II)-bound thiolate is a competent nucleophile
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e entails optical measurements of ì plasma enhanced chemical vapor deposited (PECVD) silicon under
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nproves the quality of a software system, reduces the development costs, and reduces the developm
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ication, presented to 2700 families whose infants fail ì universal newborn hearing screening affects car
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SERVATIONS AND DATA FROM THE SSIEMS PLASMA INST- RUMENTS ON BOARD THE DOD'S
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the available system resources and design constraints. The components used to build the alterna

traints and the dynamic interaction among all of these elements constitute the basis for this comp
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planetary space change and the resulting distribution of ionization has many effects on induced cur
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with the National Science Education Standards for Professional Development, the objectives of the

es the teachers will earn three graduate hours of credit in the Science and Mathematics Education
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sent their work, and provide an introduction to ì mathematical and computational biology to those new in
sent their work, and provide an introduction to ì mathematical and computational biology to those new to
present their work, and provide an introduction to mathematical and computational biology to those
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pplication developers in a novel solution to Intellectual Property (IP) issues. Our approach overco

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F-kB stimulates the activity of Akt-1 in cell survival mediated by VEGF. Focus will be placed on
F-kB stimulates the activity of Akt-1 in cell survival mediated by VEGF. Focus will be placed on
curriculum development part of this project will focus on (1) the incorporation of DSPs into the s
AM 47.041
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sensor will be built, with associated test ì sets, in order to test, evaluate, and optimize the design ì para
UTD will perform a 6-month Phase A Study to flesh out ì detailed budgets and implementation plans. D
aboration will allow an investigation into fundamental properties of charged and neutral gases in th
ween the charged and neutral species are responsible for many ì different phenomena known collectivel
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formance of at-risk students: and (2) to the development and ì support of AmeriCorps members as they
which maximize map similarity (including spatial similarity, temporal similarity, and attribute similar
y large number of small devices in a potentially ì highly dynamic mobile wireless network. The behav
at it can capture global properties of large graphs ì in computational time that is independent of N (the n
s required by the applications. In this research, the ì concept of Differentiated Reliability (DiR) is for the f
adding to it a substantial educational layer and interface. In ì this way the professional quality will be co
s (Raghavachari and Gupta), called E-Plan (see http://eplannews.utdallas.edu/eplan. pdf), will be

meet that need. The team includes SAIC/Telcordia, Raytheon, ì and The University of Texas at Dallas
matic adaptability to the expected changing ì network. Utilizing the network control data flows defined b
ong the mechanisms is dynamically controlled based on feedback from network performance mea
g performance under the same conditions of the mobile network. This is the essential idea of the

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essionals to offer individualized tutoring ì services throughout the school day. The objective is to raise th
formance of at-risk students: and (2) to the development and ì support of AmeriCorps members as they
ol performance, crime and delinquency and labor force outcomes. The study would be Phase I of a
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nes. These next generation fuel cells will perform well at temperatures in the 150-180 C range wh

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e used as the equalizing filter, which has higher speed than the equalizing filters commonly used to
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sciplinary Master's degree program with a Graduate ì Telecommunications Engineering Certificate avail
effort will be focussed on the development of interactive lab exercises and demonstration module
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range. Since the demand for wireless communication is ever increasing, very precise frequency

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ets the needs of local industry, will potentially ì address needs of further removed industry, makes good
ached memorandum developed jointly with Western Life Sciences. It includes: 1] Establishing a su
aces using ion-ion plasmas and 2] to identify condiitons for the optimum use of these ion-ion plasm
processing of novel materials. The proposed research is both novel in several aspects and prac

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ne McKinney Independent School district, and the Region 10 Ecucational Service Center (ESC) to
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distribution of a sequence of time dependent developmental indicators will be modelled by a r
patterns, effects of collaboration between partners, comparison of performance under related co
k middleware, and applications. Thus, research will be conducted on issues such as efficient prot

onnel. The study of Information Systems (I/S) for government is proposed. A framework and sof

ems that are solved using the heuristic on the one hand and by linear programming on the oth
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ations involving spacecraft observations, radar observations, and simulations directed toward unde
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s. This innovative electrodynamic tether ì facility will provide for affordable, reliable, and safe access ì t
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GeMa will also include a knowledge integration architecture that will enable seamless communica
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Fort Worth(DFW) metroplex. DFW is the 9th largest consolidated metropolitan statistical area in th
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are generally seen to be primarily upward in auroral regions and downward over the polar cap. This
scription of the bottomside of the ionosphere. By examining this data we will be able to describe th
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complete necessary design studies, develop a design, and ì fabricate the sensor, electronics, and test-
drift meters (built here at UT Dallas by the Center for Space Sciences) from the DE-2 satellite and

articles through the atmosphere produces frictional ì heating. Since this bulk motion also affects the dist
ow it, cause changes in the dynamics of the ionosphere. One of the dominant factors affecting the
netic field. This motion is in turn caused by winds. Changes in the dynamics of the Earth's atmosp
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sing education librarians and library school and education faculty across the southwestern region
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tracking to overcome motion and other ì sources of channel alignment loss. Our research plan calls for
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hanges constantly, and it is helpful to have a ì support mechanism that does not change very often. Or
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amount of biological information available. This information consists of genetic, biochemical, phys
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licy change allows us to examine in greater detail the consequences of public insurance on those
d potentials, we will generate an electro- physiological profile for APD in this population. In this st

-ability models, which evaluate the impact of the signaling protocol on blocking, will be developed
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re one of two types of receptors that mediate the ì activity of the glutamate. Eight structurally distinct ge
project are: 1. To determine which speed features (segmental or suprasegmental features) are mo

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ied by sensory experiences. This experience-dependent plasticity has implications for clinical rem
sight into the processes that allow the auditory cortex to learn complex sounds such as human spe

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all over the world would have easier access to ì our data, thus facilitating our ability to do collaborative i
or. The study will evaluate the child care experiences and development of 3- and 4-year-old child
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plan. Entitled 'Math And Science Teachers experience resource System', the acronym (MASTerS

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ging and emerging systems that link juvenile and criminal justice processing of serious juvenile offe
iable and valid measurable models; 3) determine the locations and levels of aggregation to best p

most arc-arc suture in the Arabian-Nubian Shield that is marked by linear ophiolitic belt. This projec
most arc-arc suture in the Arabian-Nubian Shield that is marked by linear ophiolitic belt. This projec
thern Sudan. This project will test two hypothesis: (1) That the structural styles along the sutures
, Texas, will characterize the geochemistry and hydrology of the surface and ground water, docur
nts. Our objectives are to utilize the Sr isotopic signature ì of URRB waters, in conjunction with sulfur isc
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e-charge of the sensor's micro-battery, and user- to-attribute reliable access. The above objective

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reconstruction of the 4.03 GeV data set, and Izen was the US ì analysis coordinator for this data before

group's activities are centered around physics analysis and computing. Charm threshold work lend
s the formal service work that the UTD group has undertaken as BABAR collaborators. Currently, (
(BES). The group's activities include physics analysis and computing. Physics topics make use

services to infants and toddlers in home, ì center, health care facility, and community settings. Affirmati
/ issues to meet these needs. The project will expand one existing practicum and create two more t

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information organization such as the Information Assurance Operations Center (IAOC). This researc
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s, providing however, 2-3 orders of magnitude higher bandwidth, and larger geographical network

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for grades 6-8 that address topics beyond solar system astronomy. We propose to test a set of
ALS FOR GRADES 6-8 THAT ADDRESS TOPICS BEYOND SOLAR ASTRONOMY , AND TO PF
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such an interface, we can induce a critical state by increasing the shear-stress. Monitoring wave
ocess of establishing a 'spatially enabled' ì community of planners, policy makers, researchers, student
medically and industrially imporatnt Bt genome so that specific features, characteristics and differ
ogy. Individuals have legal recourse in case that they are harmed (hence privacy violated) throug

dicate that these sequences have the depositional hallmarks of a Snowball Earth episode. The T
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of problem-tinnitus. There is ì evidence that problem-tinnitus in different people involves ì different port
f problem-tinnitus. There is evidence that problem-tinnitus in different people involves different po
cedented and rivals in size the giant sauropods of ì the Late Jurassic and Early Cretaceous. Previously
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DC 84.367B
able-rate coding schemes for free-space optical channels. We develop novel adaptive and variab

omic or molecular scale. Depending on the size of ì the molecule these systems will be modeled both (

cale linear circuits to be analyzed. An effort of reducing ì the circuit order (or size) is then necessary in (
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ON HOUSE PRICES,AS MEASURES OF HUMAN CAPITAL IN WAGES ESTIMATES AND MANY C
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parameters of the glow. The goals of this ì investigation are: a) to improve our fundamental understandi
vice characteristics. Unfortunately, because of unresolved chemistry issues, PBII can also damag

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sciplinary Master's degree program with a Graduate ì Telecommunications Engineering Certificate avail
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and involvement in safety and health; and to secure public confidence through excellence in the
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TO DEVELOP MICROWAVE (MW) PROCESSING OF CARBON NANOTUBE (CNT) MATS AND PL
ll focus on the development of code optimization strategies and optimized algorithms for applicatic
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t. This equipment will be used for building scalable parallel and distributed systems for tabled log
-fighters and the central command, using mobile networks formed using notebook computers and
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ıt technology of ion implantation by low energy ions and also another method of ion-plasma depos
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al meetings are held in different cities in the U.S., and every second or third meeting is held in a fo
Italy, on December 9-13, 2002. The Texas Symposia take place every other year and serve as an
ın "Author") that will become one or more elements of the Collective Work. Each Author designated
d services from a Measurements Repository System (MRS) developed for the QuEST Forum at U
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ı clusters of technologies and companies. Clusters will be assigned to research groups for assess
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latabase. A neuro-fuzzy system is basically a fuzzy system that uses a learning algorithm derived
ıtcomes: 1) A parallel and distributed programming tool framework supporting visual distributed pr
:hodology for distributed programming could be developed for non-computing professionals, to det
onse to the exponential growth of bandwidth demand and quality of services (QoS) needs, dense w
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mechanisms that regulate cardiac ATP production, including changes in the concentrations of ADP

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nt can support and interfere with processing the identity of an unfamiliar face. The proposed expe
ıttle ì Radar Topography Mission (SRTM) data to understand the tectonic ì evolution of the Afar Depre
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d sediments will be analyzed for a full suite of trace metals with emphasis on those with redox and
of the inner ear neuroepithelia. We identified the gene that harbors the av mutation, Pcdh15 (Proto
QoS to mean the quality of reconstructed video as measured by the peak signal to noise ratio (P
ecial regard to scenarios when the available information ì may be incomplete or inaccurate, the network
ıng access to the communication resources. Its ì adaptivity and scalability are expected to be critical iss
the principal feasibility. Specifically, the three main research directions include aggregating more
ynamic combination of different routing protocols into a single aggregated protocol with optimized
matical model in the MERIT framework, with specific emphasis on creating formal methods to ana
:bone networks will be generalized mesh topologies. Successful operation will require intelligent a
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ıe stimuli that they hear or the behavioral response to stimuli will be observed by the investigator.
Hawkins, 1984), but research on FM system for children with cochlear implants is limited. Spee
technologies, educational programs, family ì dynamics, and healthcare management; (b) apply knowled
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receive a cochlear implant before 2 years of age (very early) to those of children who receive a
the speech signal into aural habilitation ì curricula. The major goals of this training project are to ì incre
ting new research and technological advances into aural habilitation curricula. The major goals a

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ırtance of the art and craft of literary translation. Its contribution to the field of literary translation h

gineers during the specification and design of reactive application software. In this project, we will
d at cutting-edge research in visual languages focusing on the following main goals and benefits:
:, the functional modules of the generation system are decoupled to allow independent developme
ıteractively make the most efficient collective use ì of individual resources, e.g. power, as well as the dis

ities for such systems as the Government proceeds to develop its proposed GPRS system. The RD
n. The RDSS system types to be studied will all be characterized as direct spread CDMA packet
accuracy of face detection systems. We have developed new techniques that can compute featu

n ethnically diverse backgrounds, as well as a database of narratives produced by African Americ

ty measures of MMI; (b) generate optimal/efficient retrieval schedules for downloading the missing
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students. This instruction is delivered by AmeriCorps members who are trained and monitored b
students. This instruction is delivered by AmeriCorps members who are trained and monitored by
students. This instruction is delivered by AmeriCorps members who are trained and monitored by
students. This instruction is delivered by AmeriCorps members who are trained and monitored by
students. This instruction is delivered by AmeriCorps members who are trained and monitored by
students. This instruction is delivered by AmeriCorps members who are trained and monitored by

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THE SYSTEM WILL BE USED TO SUPPORT CURRENT DOD SPONSORED RESEARCH AND INS
UTILIZED BY FACULTY MEMBERS ALONG WITH THEIR POST DOCS,GRADUATE AND UNDER(

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se is to develop a fundamental understanding of the compact astrophysical objects and the physica
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ative analysis and realistic visulaization. This is the future of earth science and must be future of

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sciplinary Master's degree program with a Graduate ì Telecommunications Engineering Certificate avail
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nation of conjugated polymers and molecular layers acting as electron-donor acceptor polymers.

on transport layers, and moreover will be processable for vaccum-evaporation and for co-depositi
nce of energy disruptions in the afermath of terrorist attacks on the civilian population. These devi
cules, these nano-chip substrates will be used to markedly increase the density of hot-spot sights

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pace-borne Thermal Emission Reflectance Radiometer (ASTER), RADARSAT, and Shuttle Radar

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project). He will also participate to the design of a follow-up study involving fMRI brain imaging te
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on the geology and terrain of the area, in preparation for digital field data acquisition later in the
Basin geologic outcrop, northern Spain. UTD will bring necessary laser rangefinders, 2 RTK GPS

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a complex mixture of overlapping patterns from ì multiple sources. Nonetheless, listeners with normal h
itions which lead to its breakdown. Computational models of speech perception will be developed
ıd shift factors. A secondary goal is to compare frequency-shifts implemented by uniform (proport
spectrum envelope and fundamental frequency shifts on the intelligibility of speech presented to

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ecedented formation of oriented films of various zeolites ì such as UTD-1 and MCM-41 exemplifies the
organometallic complexes. ì Additionally, the synthesis of novel silica based ì molecular-sieves templ
most likely to be in a fine chemical process, where catalyst performance may out weigh the cost.

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t statistical procedures and optimal design making strategies for pricing of contracts, valuation of a

mes , under modern decision-theoretic criteria and principles, that will be applicable to wide cla
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ogy will be designed to ensure that the customization process does not compromise the intellectua
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opments in affluent neighborhoods of North Dallas, and the subsequent reversal of two of those pl
Indonesia Basins. Published and unpublished thermal and geochronology data and relevant geo
among young adults is known, but the explanation is not. The pattern suggests that it is important

ze, weight, energy, prformance, and time). In the first two years, environment for facilitating the
upon the already existing expertise in the area of reconfigurable and adaptive computing and will
eering by developing unique set of course modules in the related areas. These modules will be int
Systems wrongly interpreted as distal offshore bars or ì shelf ridges are now thought to be lowstand wa
ence stratigraphic thinking to date. Theoretically, tectonic and eustatic effects should be distinguis
xylsilane derivatization on glass the lone remaining alkoxy substituent on the silicon atom was furth

Internal Revenue Service. Consisting of accredited academic universities and others, this pro
d optical sensory systems that make up ground based (GBR), low altitude (LA) and space- based p
will use only moderate scaling of global and critical dimensions. Scaled MEMS assembly module

e-beam lithography of resist layers upto a 3.5 mico meter which includes participating in optimizing
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nber of inborn metabolic defects in oxidative ì phosphorylation. The molecular bases of oxidative phosp
sponse to a number of physiological conditions, ì including cellular proliferation, development, and ì difl
ctors that are important for the nuclear control of mitochondrial energy production which is essenti
ain which transports reducing equivalents from the intermediates of the Krebs cycle and the ATP
s) are down-regulated under these conditions. Most studies of the effects of hypoxia on gene e
if the rate of transcription of the ATPA, COXVb, and/or Cyt c genes decreases during hypoxia; (3)
if the rate of transcription of the ATPA, COXVb, and/or Cyt c genes decreases during hypoxia; (3)
A, COXVb, and/or Cyt c genes during hypoxia; (3) to identify and characterize the cis-acting regul

ylation system are down-regulated in response to hypoxia. The goal of this research project is to
xida- tive phosphorylation system, are regulated to meet cellular energy needs. Initial work will fo
RIAL ATP SYNTHESIS COMPLEX , THE CENTRAL ENZYME OF OXIDATIVE PHOSPHORYLATIO

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make programs more suited to non-traditional ì students, thus making the rich resources of a standard

ast to the Cedar Bluff Reservoir, and less detail still over the catchment of that reservoir. The res
ater. Some 100 million people living on the tropical outwash plains of the Himalaya Mountains are
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orm has exhibited some resistance to Bt toxins. ì It is important to gain a better understanding of the mo
over the past five years has made great progress in ì training new investigators, postdocs, graduate stu
ss culture, in various areas of the United States, Mexico, ì and Central and South America. Resistance t
d extraterrestrial exploration missions. 1.) Identify and characterize a wide variety of microbes th
atively, binding of Cry1A toxins close to the MPED on BT-R2 may juxtapose the bound toxin to the
esistance in the field and in managing the long-term efficacy of Bt-based biopesticides. To accom
sample of an individual. The biological samples are taken by a non-invasive way. The proposed
educational technologies that were prototyped in the prior proof-of-concept project will be com
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optic modulator for optical ì communications. The PI has already presented preliminary results ì at the

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aman amplification system for 1.3 micro meter ì fiberoptic transmission applications.
ding the dynamics of phonon populations in ì the fiber, for the purpose of understanding the onset and

stacles to be overcome in designing a long-haul transmission system for high-bandwidth telecomm

The model will be able to simulate the effects of bends, connectors, various types of multimode

t advanctages: (1) Each electrode may be very thin (<10 micro meter) producing virtually no tissu
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ry education concerns and will be based on new ì evidence from our extensive pediatric brain injury res
and will be based on new evidence from our extensive ì pediatric brain injury research of over 10 years
health care delivery for patients, education for ì health care professionals, and human services for careg
measures for persons with early stage Alzheimer's ì disease (AD) and their caregivers. Of 100 pairs of
ing subsequent to traumatic brain injury (TBI) in school-aged children, and 2) to characterize defic
nerged * Assures proper placement of student within school services * Recommends modificati

ion, and speech pathology/audiology to provide instruction in geriatrics. Goal 2. Develop and dis
ACTIVITY DISORDER(ADHD), WE LACK INFORMATION OF THE NEUROLOGICAL BASIS OF THI
NT FORMS OF INHIBITION, FLEXIBLE ALLOCATION OF CONGNITIVE RESOURCES WHILE PEF
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oject, we will develop a resource management framework suitable for Diffserv networks to fully rea

niversity is requesting that the Ploughshares Fund support the research and the production of thre

ı a manner which lowers the overall connection blocking probability. An analytical framework, as
l solution capable of showcasing bandwidth-savvy applications. By focusing on a carefully choser
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icians, Hearing Scientists, etc. have become unified ì in searching for answers to normal and disordere

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es, and build on top of these results a theory of guaranteed service scheduling for the case of multi
ıetimes rise up from low altitudes in the ionosphere upwards ì through the higher density plasma above.
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terms this means that a sample of the size of a golf ball would store the energy equal to a metric to
sed as x-rays and y-rays, if it could be triggered. Recently we discovered that energetic electrons
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nterprise is motivated by many applications in ì mathematics, physics, and engineering. Two main direc
es. Such an enterprise is motivated by applications in mathematics, physics, and engineering. The
nterprise is motivated by applications in mathematics, physics and engineering. The starting poin
. One of the main technical difficulties in the study of indefinite product spaces is the lack of a simp
a and their representatives. A first topic of this project concerns the study of so-called multiscale
ATIC STUDY OF COME CLASSES OF QUOTIENT ALGEBRAS AND THEIR REPRESENTATIONS.
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h, five main objectives are defined. The first three are focused on defining a set of rigorously defi
ns and cause significant heating of the upper atmosphere. Here we will examine in-situ data f
s and cause significant heating of the upper atmosphere. Here we propose to examine in-situ d
ns and cause significant heating of the upper atmosphere. Here we propose to examine in-situ
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ıool of Natural Sciences and Mathematics. We thank you again for the invitation to participate.
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ms.

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major goals are sought as part of the two-year project. Goal One seeks to establish and impleme

ad hoc networks for potential application in virtual ì navigation, telemedicine, tele-geoprocessing, crisis
zation procedures being developed in the area of Data Networks and Pattern recognition. We inte
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posed of RNA polymerase II and a set of additional proteins ì called the general transcription factors (T
The project considers a series of genetic, biochemical, and cellular approaches to attack the proble

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ess key quality attributes, e.g. performance and reliability, of the composition. We argue that such
hanges in the methylation level of DNA is essential for ì studying, and possibly treating, these condition
corresponding to subsets of the 16 residues on the ì receptor helix-binding surface will be randomized to
design is the 3-helix bundle. Protein design will be used to incorporate the Zn(Cys)4 active site fr
all beta-sheet domains recently reported in the literature will be reengineered to contain a protease
s containing 2 secondary structural units that pack together; 2) fragmentation of the domain into its
on, where naturally occuring protein domains are divided into helix and helix binding receptor regi
(4-n) ligation. This goal will be accomplished through the study of natural thiolate-rich metal-bindi
helix and beta-sheet fragments; (3) reengineer the helix-binding surface of the beta-sheet to introd
t seeks an understanding at the atomic level of both the structural and electro- static features of th
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neurons. Understanding the mechanisms regulating apoptosis will not only help in our understandin
that contribute to the regulation of neuronal survival. ì This project will study one such molecule the seri
uclear factor-kB (NF-kB) transcription factor - ì in a well established paradigm of neuronal apoptosis tha
to examine whether overexpression of Akt can prevent apoptosis induced by the neurotoxic sti
aneous seizures, and die within 4 weeks after birth. The reduced brain size in Fh results from a bur
ative diseases, following stroke and often leads to serious neurological deficits. The mechanisms
other paradigms, such as lipid kinase Pi-3 kinase, The PTEN phospatase, and the protein kinases
all objectives of our proposal are - 1. To understand why the effects of the fh mutation are brai
W5074 is due to the direct inhibition of c-Raf or the resulting induction of Raf activity that is obser
substantia nigra resulting in profound striatal dopamine deficiency. Symptoms are rigidity, brady

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ay of retrogade transport. The second is to better understand how certain protein toxins exploit pa
til recently, the only known pathway of retrograde transport involved coat protein I (COPI). Howev
ntly discovered that certain di-amino compounds that appear to interact with the dilysine binding s
r which the helices will wrap individual nanotubes in aqueous solution. Successful wrapping will be

ed Raman scattering or SERS), the use of Raman spectroscopy for sensitive detection has beco

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conference. Estimated date of submission: Late March 2003. (2) The convening of a small works
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re. LEAD will extend the results of previous models ì by explicitly considering mixtures of molecular and
limited to instrument calibration, integration, and ì post flight data analysis.
des, but is not limited to instrument ì calibration, integration, and post flight data analysis.
aboration with scientists (co-investigators) from several other institutions: Goddard Space Flight C
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heir program "Texas Touring Arts Program". UTD has ì presented the One O'Clock Lab Band, the prem
ugh their program "Texas Touring Arts Program". James Dick is one of the founding members of
ed to reach a wide audience of all ethnic backgrounds at an exceptionally reasonable price.
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ng the Plano/McKinney Partnership for Education ì of Homeless Children and Youth, under the directio
volving the Greenville/Sherman Partnership for ì Education of Homeless Children and Youth, under the
n ì conjunction with The University of Wisconsin - Madison. The CLC ì in partnership with the Teacher
One Program. The following services will be provided: (1) Information necessary for successful pro
itored by the staff of the Communication and Learning Center. The Reading One-to-One AmeriC
One-to-One Program. UTD Reading One-to-One Program staff, will provide the following servic
nitored by the staff of the Communication and Learning Center. The Reading One-to-One AmeriC

aspects of amended activities and the technical assistance and research involving the Plano/M
t these aspects of amended activities and the technical assistance and research involving the Gre
de students. The instruction is delivered by AmeriCorps members who are trained and monitored
h of our program is based in the care and focus we bring to our main Getting Things Done Objecti

n of our program is based in the care and focus we bring to our main Getting Things Done objective

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r outcomes, such as lower recidivism and ì improved school attendance, than residential placement wh
uation literature; 2) collection of data on ì program participants; 3) review of policies, procedures, and ì
s with an opportunity to be clean and sober. This will be achieved through constructive support by
s the charged current and the neutral current ì interactions of the supernova neutrinos with targe nuclei
IIS are these: 1) A high-resolution time profile of the high- energy neutrino emission from supernov

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0, when the area is completely frozen. ì Several important issues will be addressed by this work ì inclu
vations have been conducted. Implementation of the water flood may occur within the next two yea
ave beeen conducted. Implementation of water flood ì is now planned, with construction beginning this

SEISMOLOGY AND A SPECIALIST IN GEOSCIENCE EDUCAT- ION, ARE PROPOSING INTEGRA
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proaches include increasing quinoid ì resonance contributions, decreasing aromaticity, and introducing
of the real world problems and work practices in ì industry. Students working under this arrangement wil

Organic Light-emitting diodes.

LP ASSESS HTE LONG-TERM EFFECTIVENESS OF THE NEW WATER DISPERSIBLE BAMPPV-
nging technologies for energy harvesting, storage, transmission, and conversion, leading to new
FUEL CELLS UTILIZING A POLYMER ELETROLYTE (OR PROTON EXCAHNGE) MEMBRANCE

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t appears near midnight at low latitudes. Both state-of-the-art theoretical models are incapable
per atmosphere general circulation models, the TIEGCM and the TIME-GCM, and empirical models;
ect controlled mesh architectures, and ì their hybrids have been considered for the construction of ì se
ing has been considered for the decoding of turbo codes. ì Turbo codes will be analyzed with non-cohe
f gate oxide leakage. This problem will be solved by a redesign ì of the MOSFET: Dope the device to p
es. These simulations will be based upon existing computer ì codes at UT-Dallas, and the codes will be
for research projects and LIGA services. This goal consists of two major parts; new equipment re

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e: 1) Fast ForWordTM (FFW) which presents ì acoustically modified speech in its computer exercises; 2
ifications. More than 1 million children receive ì language intervention in the public schools each year
3) Definition and development of Advanced Tool Capability (ATC).

designed to operate with a predefined set of nodes and optical circuits that are independent of the
The following are some sample research problems that will be tackled as part of the research
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distinguishing different forms of problem- tinnitus. A second objective is to determine if the measur
In the project, central auditory gain for the various stimulus frequencies will be measured. Inccre
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MEMORY.OUR APPROACH TO SENSING IS ESSENTIALLY A SYSTEM INTEGRATION APPROAC
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te model that can be used to predict ì as-implanted dopant depth profiles, conformal effects and other ì
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teachers to assess reading comprehension in various ì content areas including science. Teachers and
capable of assessing complex comprehension based upon student free response data. The goal
004. These tutorial workshops are intended to efficiently introduce researchers in the field of mat

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for ì this form of gene regulation in Gram-negative bacteria is ì Photobacterium fischeri, a luminescent

gulation in Gram-negative bacteria is Photobacterium fischeri, ì a luminescent marine bacterium. The p
mimics on the S. meliloti quorum sensing system as well as their role in overall S. meliloti gene re
signals. The host/strain specificity of the rhizobial-legume symbiosis and the vast amount of info
ence that alfalfa indeed produces AHL-mimic compounds. These compounds affect the expression
The arguments that provide the intellectual foundation of our experiments are: i) S. meliloti posse
ì strains(Chromobacterium violaceum & Agrobacterium tumefaciens). Furthermore, we have demo

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ng therapeutics that block formation of ISCs and cellular dehydration. In this project we will ide
s; if so is this due to altered redox status and does it result in accumulated oxidative damage to me

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red helical filaments (PHF). The density of NFTs has been correlated to the severity of the diseas
es displaying NFT pathology. We will address three issues central to aggregation of microtubule
NMR so that some insight may be gained to the mechanism of PHF and amyloid formation. We wi
recently been demonstrated that electrodes constructed from carbon nanotubes catalyze electror
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omputer-controlled video software, ì reliability and validity of the coding; pretests and posttests, ì statis
re for analysis of change, comparing pretests and posttests; and statistical analyses of results. Ms
virus, Ff, and it is called the "gene 5 protein", or ì "g5p". This research will study the binding of this prot
that is a model ssDNA-binding protein. Preliminary results from SELEX (Systematic Evolution of L

will obtain thermodynamic parameters for binding of g5p (1) to ssDNA sequences having different
ementary subsequence of a target mRNA. Generally, ODN drug molecules are made of nucleotide
ind to DNA when it is single-stranded, as opposed to double-stranded DNA. In this project we pro
eic acid sequences that are preferred binding sites for two structurally-related ssDBPs, the humar

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omplexity of or-parallelism and and-parallelism and deriving lower-bounds on operations used fo
at the semantic specification also has the flavour of denotational semantics. In this project, we will
query the information at multiple sites without having to locate the sites or even know the source o
has three major components, and UTD will work on one of them (for frames). A domain specific
interfaces) to any on-line HTML/XML Web data source. Specifically we will (i) develop techniq
eved by a technique called dynamic reordering of alternatives (DRA) efficiency. The resulting para
languages and systems. This leads to several advantages, most notably that the semantic specif
through interfaces to any online HTMl/XML data source. The AudioRover system will be deploye
n, communication, learning, prediction, conflict resolution and mobility. The framework consists

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obtained from UTSouthwestern that must be modified , expressing the enzymes in E. coli, isolati
olesterol oxidation and of traditional methods of inhibiting cytochrome P450s provides ample lead o

nge electrostatics and interactions between electron rich pi systems and electron poor pi systems
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ee year study period. This combined dataset will ì provide the researchers with the most extensive set o
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feedbacks we are going to combine information from two sources: (1) the lexico-semantic paths a

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blematic and therefore innovative solutions for the provision of computer and network access for s
HAZARDOUS MATERIAL INFORMATION AVAILABLE FOR EFF- ECTIVE HAZARD COMMUNICAT
HAZARDOUS MATERIAL INFORMATION RESOURCES AVIALABLE ON-LINE,FOR EFFECTIVE H
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arning are highlighted. The first application links insights from learning theory to problems of optir

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Monitor sensor (acronym SSIES-3) aboard the Defense ì Meteorological Satellite Program (DMSP) spa
SuomiNet award, the NSF has agreed to provide UCAR with ì funds to purchase, test, configure and shi
ccuracy in specification and prediction of its behavior increases so too does the need to understar
he hardware will be designed, fabricated, and tested at the University of Texas at Dallas, Center f
This proposal describes a Thermal Plasma Sensor (TPS) and how it will provide the required mea

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ction of the solar wind plasma with the magnetopause. First solar wind plasma is able to traverse
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of a small payload of instruments to fly on a ì Hyperion 1 rocket from the White Sands Missile Range.
that prolonged exposure in humans to a microgravity environment ì leads to significant loss of bone and
without the use of chemical propellants. This ì innovative electrodynamic tether facility will provide for ì
n electrodynamic tether facility to place satellites in orbit, change their orbit and/ or remove them fro
volatile materials. The evolved gases are collected and transported into a mass spectrometer f
The mass spectrometer experiment will focus on the evolution of climate,the possible origin and
to provide a platform for high-school and college students to gain hands-on experience in planning,
hat will be heated through programmed heating cycles in the TEGA furnace. Mineralogy of the sa
rovide a platform for high-school and college students to gain hands-on experience in planning, de
Small size and weight, low utility consumption and high sensitivity of the instrument make it ideal f
ION) ATH THE SURFACE. 2.RECOVER SCIENCE OJECTIVES OF MARS'98 AMD MARS'01 LAN
NED IN THIS SOW.ADDITIONALY THE CONTRACTOR SHALL SUPPORT TRADE STUDIES, D
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ctive to both reduce the drug trade and ì to maintain democratic stability in the region. In addition to ì t
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chronous learning methods to courses taught on ì campus to enhance efficiency and effectiveness of cl
to the PI's research interests. The thrust of the ì research will be to bridge the gap between gene expre
:tion potential conduction and force generation ì in the heart. To do this, we are participating in a ì mult
:al model of the pathway for activation of genes for the NF-AT pathway. Specific Aim 2 of the proje
rs has established a clear pattern of ghetto ì and barrio expansion through the selective outmigration of
ls that test hypotheses about various intervening ì processes that might account for the relationship bet
lation, 2000), established that poverty grew substantially more graphically concentrated between
1965. The Act allocated $24 billion for the first five years of the program to provide health insura
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search is to understand how childhood hearing impairement ì affects the development of the processes
ess in understanding speech varies widely in these children, even in those with the same degree a
particularly edifying to study since auditory input dominates word learning in childhood. We hy
input, resulting in 1) less rich semantic categorical knowledge, 2) less well specified phonologica
specifically, the following topics will be ì addressed: 1) Architectures for supporting Quality of Service ì
providing large amounts of bandwidth in the core of emerging telecommunications networks. This
he design and evaluation of protocols and architectures for improving photonic packet network per
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optosis-stimulating proteins Reaper,Grim, and Hid. ì NMR structure determination and quantitative prot
1-3 repeats of a conserved 70 residue sequence called the ì BIR motif. Individual BIR motifs have been
recombinant Reaper & Grim, Circular dichroism (CD) ì shows Grim to have extensive secondary structu
ulating proteins in Drosophila. Apoptosis is programmed cell death, a conserved cell-suicide progr
ancer and with neurodegenerative diseases. Apoptosis can be inhibited by IAP (Inhibitor of Apopt
cancer and with neurodegenerative diseases. Apoptosis can be inhibited by IAP (Inhibitor of Apo
uch as cells infected by viruses or at risk for becoming cancerous. This study focuses on the BIR
actions using complementary biochemical and structural analyses of purified apoptosis simulators,
BIR2 binds stimulators as an independant domain. However, genetic screens have identified seve
and regulate apoptosis by binding and inhibiting caspase proteases required for apoptosis. Stimu
gton's disease (HD). The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly
on's disease (HD). Understanding the functions of these proteins is critical for designing therapies
nteracting proteins that regulate the activation of caspase proteases that mediate apoptosis. The
contributions to IAP affinity for stimulators and caspases and by relating BIR1 functional mutations
ntributions to IAP affinities for stimulators & caspases and by relating BIR1 functional mutations to

SERVED IN ALL ANIMALS AND ELIMINATES UNNEEDED A ND POTENTIALLY HARMFUL CELLS,

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developing research agendas to pursue policy relevant ì educational issues, and an opportunity to wor
s of schools, because they are either poor ì consumers or unwilling to devote the time needed to arrive a
on minority access to higher education and permit us to more fully exploit the extensive database
el (TSMP). TSMP is a large and complex, multi-year panel data base that currently has up to 13 y
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erning the functional and neural bases of adult communication ì disorders. A comprehensive database c

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ing algorithms to analyze spectral images captured ì by an oblique incident spectroscopy device to be c

vork involved in this subcontract includes the development of signal and image processing algorit
es in order to reduce the amount of time required for direct inspection of photographs by marine b
ate image processing algorithms and drivers will be written to see to what extent the image feature

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with an emphasis on pre-law, public administration, and ì gender and women's studies programs. The s
August 23rd and ending December 31, 2000, and enable ì participation for up to 20 low-income ethnica
nces and related areas. It implements a ì university, community college, and family-based ethnographic
ll be made available to universities and ì other entities around the world. The content will be designed to
LD) program beginning August 23rd and ending ì December 31, 2000. Funding by the i2 Foundation wi

that which is obtainable at the document level. There is at present no really effective method for c
Here we deploy a hierarchical clustering algorithm that reduces false alarms and false positives.

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, Texas. Researches will provide the County with means for measuring the performance of each
principles governing network plasticity ì phenomenon have not been defined. This study will explore th
a reasonable quality of life. Although environmental enrichment and behavioral therapy are gene
The experiments will extend our understanding by qualifying how receptive field structure reorganiza
development of normal brain responses and in turn hinders the acquisition of critical language sk
ate two distinct forms of plasticity. The first aim is to determine whether expansion of the primary
eural representation of speech are possible. The first aim of the project will be to document the

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xican/American Musicians in Dialogue," will ì focus on the transformation of the European-based conce
l Knowledge and Skills (TEKS) for American History.
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ɔ a personalized pedagogy. By creating an ì infrastructure through partnerships (UTD, TWU, Teachers)
ajor research tasks include (1) The development of ultra-high Q micromachined passive devices inc
tunable capacitors using deep-X-ray lithography (DXRL) and/or ultraviolet (UV) lithography micro
se to develop a new hybrid fabrication technique designed to exploit the advantages of the two afo
tion methods, materials, and structures, innovative biasing strategies which automatically minimize
at will be addressed in the proposed work are (1) develop- ment of novel device design by extensi

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S, THE ALLOCATION OF RESOURCES TO THE GREATER PROPORTIONS OF MALES, AND THE
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and repair of such lesions occurs despite the ì presence in the cell of a wide range of normal heterogene
eriophage lambda as model systems. We will ì investigate the respective structures of the synaptic com
global tertiary structure of supercoiled plasmid DNAs containing bulge defects, mismatch defects,
cture and function. In previous work, we showed that the average size of the single-stranded over

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d into an electrical signal, and ends ì with the stage where control signals for visually guided ì navigatio
f the three-year research, we expect to have a single chip motion-processor that will be capable of
ɔ explore self-compensating techniques on critical circuit block design. Process variation introduc
nts in the analog integrated circuit design area. Students should be recruited from nationally and i
TSMC 0.18 micro-meter technologies. An important aspect of the equalizer design is the error
gn issues for high-speed closed-loop sensing, decision, and action systems to react properly and
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credentials, taking advantage of the changes in 1997 of the GED passing standard in Texas. Th
he aim of our study this year was to identify the ì cochlear-implant speech processing parameter(s) that

technology developed under DoD funding resulted in no measurable improvements. This techno

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cesses, and the identification of secondary, target loci exhibiting significantly modified neuronal act
cending, lateral or descending. Ascending signals can be identified arising from the thalamus, late
cortex make to the execution of these behaviors. We plan to carry out three experiments: 1) Usir

ontributions parietal and temporal regions of extrastriate cortex make to the sparing. Studies will
double-label 2-deoxyglucose (2DG) technique and subtraction of a baseline and task-specific
tra-striate cortex make to the execution of these behaviors. The two major afferent pathways incl
nents underlying recognition memory and form- to-color association. Behavioral studies have ider

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VER THE LAST 25 YEARS, WHILE THE LEVEL OF CONCERN FOR BLOOD LEAD CONCENTRAT
-generation American children live in situations in ì which they are regularly exposed to English and Sp
and generate reports for the English CDI Words & Gestures and Words & Sentences forms. In a
SL programs. However, many first-generation American children live in situations in which they are

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ed on effective medium models, which may not adequately describe the acoustic/elastic/ viscoelas
to extract more detailed information for gas hydrate environments that has been done before. Acc

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gnostics. In the initial 1-2 weeks of the ì grant period, he will receive training on the spectrophotometer ì

ıe oxygen distribution in model bio-reactors. These diagnostics arise from discussions about real e
- DUCT FORMED AS A RESULT OF POOR MIXING NOT ONLY RESULT IN LOSS OFPRIMAR
SES.THESE MIXING DIAGNOSTICS ARE IMPORTANT BECAUSE FAILURE TO ACHIEVE SUFF
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M) systems. The proposal requests financial support for a graduate student to complete a semest
ıe the role played by semantics in information retrieval. (2) Study techniques for efficient techniqu

ed by Bralich and Bickerton. Ergo is the only available tool in the market that is capable of full an

somewhat different in mitochondria than in ì the nucleus. In most organisms genetic information transfe
of producing genetic information in RNA originated in the Myxomycota and how this method of pro
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ɔgy advances. Particular technical objectives are to investigate and develop (a) improved frequen
OFDM IN THE LIGHT OF FUTURE WIRELESS COMMUNICATION SYSTEMS REQUIREMENTS/E
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ɔhic conditions. Previously drilled DSDP/ODP sites were chosen for Leg 201 drilling in order to: (1
ıection to work on Leg 201 samples. Three of the nine sites (Sites 1127, 1129 and 1131) drilled d
elevant passages in unstructured text documents, provide story or event tracking, explore market e
relations in open text. The approach will be tested on the Penn Treebank corpus and, as a res
ION ANSWERING, SUMMARIZATION, TEXT UNDERSTANDING AND OTHER NATURAL LANGUA
agreement with El Centro College as part of the Department of ì Educatin Gear Up Grant awarded to El
eking teachers. Science Education personnel have ì developed and facilitated online augments for edu

ɔn on spatial dependecy require some specification of ì the nature of this diffusion. For this project, we w
pollution on hospital amissions, ì for which a large body of literature with an established set of ì empiri
ıomic and health outcomes. Among these, aspects that ì have received considerable attention concern

Sensing (RS). This goal will be accomplished by further developing existing relationships between
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ey will collectively enhance the multidisciplinary research of ì faculty and potential outside users. This fa
ɔvery. Our project explores the potential use of mesoporous materials, such as Mobil Compostion
l discern any variation in contrast among the spiropyran rings as a function of substituent to deter

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sed STEM instruction within the context of environmental research through year-round activities. I
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erformance over a variety of fading channels. A version of space-time coding is expected to be pa
ally error-free" channel. Source and channel codes must be aware of each other. This source-cha
the impact of fading and interference, facilitate power management, and in general improve syste
computationally efficient algorithms for encoder-based error tracking. We present new solutions
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r tasks: Task 1 combines various signal integrity problems occurring on the SoC global high-spe

l in this task is to design cost- effective test pattern generator (TPG) for integrity test. Task 3 -
eve true at-speed test. In Task 2, we automate the TIC implementation by writing a program that
ects. Based on this model, we design a cost-effective test pattern generator (TPG) for integrity tes
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ods that allow for the solution of these problems. Data sets that are often encountered in applicat
emphasis on tools for three dimensional image sets. The premise of the research is that in a numl

to single molecule microscopy but have been successfully used in other engineering disciplines .

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ion in faces, and why some faces are recognized more ì accurately than others. In this project psycholo
her-race effect using a combination of human ì memory studies and a computationally instantiated mod
eloped in the human identification at a distance DARPA ì initiative. Three series of experiments will be p
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ocedure and to produce 2 etched samples for use by ì Raytheon personnel.
t of work for the project is listed in the attached memorandum from Lockheed Martin Inc. It include
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of age and studied intensively through first grade (age 7) in Phases 1 and 2 of this cooperative agr

e 4 is to investigate how maturational and contextual factors in adolescence shape trajectories
rsee the training of network data collectors of the mother-child and father child interactions to be
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n as carbon nanotubes are a 10-billionths of a meter (10 nanometer) in diameter, or about five tim
ominate challenges (such as protein adsorption) observed ì with chip-based microfluidic devices. The m

the preliminary data described within, we propose the first direct attachment of photobiotin to bare
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l world problems and work practices in ì industry. Students working under this arrangement will be ì "In
the real world problems and work practices in industry. Students working under this arrangement
the real world problems and work practices in industry. Students working under this arrangement
experience of the real world problems and ì work practices in industry. Students working under this ì a
ents representing pre-, syn-, and post-emplacements ì events (units) well preserved. The Khoy Ophioli

004. The first course will be a seminar style required practicum. Components of entrepreneur- sh
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a fertile ground for the application of distributed computing research. The physical distance betwe
dia (voice and data) wireless access. It is increasingly clear that the current wired Internet can onl
platforms/structures to form networks on an ad-hoc basis. In addition, when combined with existing
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in deeper parts of the mantle extending just into the uppermost part of the transition zone. This ir
for the pressure range of the plagioclase-spinel lherzolite transition, about 0.9 to 1.5 GPa. A pi
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urces. We want this system to be useful to police officers, firefighters, and emergency medical te

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In concert with this renewed interest in the community, and being the focus of attention for the la
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e presence of singularities such as a ì varying rank decoupling matrix, and investigate the effects of ì
experiments, which in turn should reveal new phenomena. Since the research project is of centra
n of quantum systems. The principal problems to be investigated are tractable parametrizations c

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es on two mechanisms that coordinate carbon and ì nitrogen metabolism, and a genome array-based a
pothesis of this proposal is that the aconitases in ì P.aeruginosa contribute to VF synthesis. The genetic
ic context of genes of putrescine and arginine metabolism. We will construct strains with single an

The second objective is to characterize the enzymes of the proposed pathways. The activity mis
student, and her desire to complete the project. The grant that supports this research is entitled

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prehensive violence ì against women prevention programs on campus III. Establish or strengthe
d other felonious crimes. We would be able to assign another road officer to his position and tl
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are: 1) to educate hospital personnel and ì pediatricians on the protocols, procedures and resources ì

ed TTS Study - Protocol 3.doc, including any subsequent amendments, which are incorporated in
ns. The objectives are: 1) to provide families of infants recently diagnosed with hearing loss inform

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gain experience of the real world problems and ì work practices in industry. Students working under this
e real world problems and work practices in ì industry. Students working under this arrangement will be
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; system capacity, we will minimize the total transmitted power of the system subject to signal-to-int
to the wireless link make this a difficult task. However, future wireless systems must adapt to this
ss system capacity, we minimize the total transmitted power of the system subject to signal-to-inter
nage interference in multihop wireless CDMA networks. To maximize the multihop wireless syste
ss system capacity, we propose to minimize the total transmitted power of the system subject to s

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xing visual information is much below the effectiveness of ì indexing textual information. This makes it h
wo fundamental unsupervised techniques for reducing the dimensionality of the data: 1-clustering,
; for home use, replacing traditional film cameras. It is also expected that access and navigation a

ive in the world around them, including the policymaking arena. People with disabilities can becom
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cioeconomic disciplines into the programs); and to develop courses at UT-D's School of Social Sci
OBJECTIVES, AND WHETHER TO LOBBY ALONE OR JOIN A COALITION.THE RESEARCH TE
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hat coherently includes extensions of the traditional tools of one-dimensional analysis as well as t
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the technique of redistributing delays within a data-flow graph (DFG) such that the length of the l
suited for modeling random logic. Using FPGA chips to model memory instances is very costly a

:d computation times and data-access latencies. It also considers communication overhead with p
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and power comsumption for embedded system archit- ectures will be studied. We will develop ac

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vestigation of significant metabolic issues.
naging agents. We believe that the key to a practical, responsive MRI agents is the development
eveloping the chemistry of pH responsive MR agents and magnetization transfer (MT) agents durir
signs were based on Gd3+ complexes with capped moieties that prevent water access to the par
renewal application focus on using indirect detect 1H NMR methods to follow 13C-enrichment of r
ns rather than water molecule exchange. One consequence of this chemical feature is that syster
e molecule will be one that senses and reports the concentration of glucose in blood plasma and ir
complexes wherein a Ln3+-bound water molecule is in slow exchange with bulk water. Last sum
T RESPOND TOVARIOUS INDICATORS OF TISSUE VIABILITY SUCH AS ACIDITY(pH) AND M
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became the first group to merge the well-studied, electrochemically-active N,N,N',N'- tetraalkyl- p

for the impact of changes in ligand oxidation state on coordination chemistry and catalytic activity.

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will: (1) conduct a comprehensive evaluation of economies ì of rural counties, (2) examine challenges a
spatial economy. The scope of the research covers three major ì components: 1) development of static
e of the project covers three major stages: (1) ì identification and analysis of the most computationally ir
egion. It offers a comprehensive approach to measuring availability, current supply and demand co
overs all 13 ARC states. The study offers a solution to methodological issues associated with ana
mic models that ignore spatial components of economic growth and to introduce a model-based a
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productivity. The two most significant research ì problems in the assembly of PCBs are: (1) the compon
hine), carry-over, sequence-dependent scheduling ì problem with anticipatory setups, which belongs to
characterized as the multi-stage (machine), carry-over, sequence-dependent scheduling problem w
- bound states of particular DNA target sites. Our method uses site-specific recombination carried
ends beyond the C-rich strand to generate a 3 single-stranded overhang. Telomeric overhangs are
across the arc and the back-arc consistent with ì sequential melting of the mantle as it moves away from
experience of the real world problems and work practices ì in industry. Students working under this arra
"Geo- logy & Development of Modern Africa" developed in 1994-95 with CCLI support by Barbara

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IND,AND ANALYSIS OF THE CHARACTERISTICS OF CHILDREN WHO ARE DEAF-BLIND RELEV
ia.
efforts associated with the optimization of channels and negotiations with neighboring nodes, to b

treatments with D-cycloserine (DCS) to reverse PCP's deleterious effects both on behaviour and
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activity, and flow through clouds. According to our ì hypothesis, the currents affect the physics of clouds
correlations pointing to effects on regional and global climate of these solar changes. We are anal
meters (radius and charge) and particle parameters (radius, charge, thermal conductivity) to provi
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are and software. TASK 2: Review current hearing aid technology and IP using DSP ì hardware a

psychology and in the basic neurosciences. The overarching goal of the Functional Neuroimaging

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analysis through visual exploration, ì discovery of patterns and correlations, and abstraction and ì sumr
rithm engineering, to focus on the following ì main goals: 1. The development of novel graph drawing

or new areas of research and strengthen out low complexity algorithm development and analysis.
nsmit antenna techniques for SDMA downlink communications whose properties and performance

01. Details of the work performed during the last three years under the predecessor grant are de
mputation promises to scale to large distributed systems much better than any centralized scheme.

ces. This inter-communication between layers is facilitated by a centralized Network Information C
ll design heuristics that are suggested by the worst-case analysis and experimentally analyze thes
lications in logistics planning and wireless networks. The PI proposes to analyze these problems
it is necessary to maximize the probablility of detecting the target sensor subject to a total energ

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ne carefully the role of gender and social context. ì Children who express anger inappropriately are at ri
atens bodily harm, social aggression hurts others ì by damaging their friendships, peer relations, social s
f 300 children from ages 9-14, a developmental period in which social aggression has been shown

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ng of lunar phases. Additional tests will be designed to cover such topics as the reason for the se
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WITH THIS PROPOSAL. THE WORK TO BE DONE WILL INC- LUDE RESEARCHING THE AVAIL
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urces, curricula and best practices in methodology, ì client services, referral and outreach. Reading On
l of three school sites. UTD Reading One-to-One ì Program staff will provide the following services: (
ne Program at Harry Russell Elementary School. UTD ì Reading One-to-One Program staff, will provide
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nformation owned by the library, including remote locations, and to create an environment which al
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network connection, a fact that is obvious but often overlooked. The key benefit of PLC is ava
nventional VLIW machine, in a perceived level reconfigurable architecture, one instruction word lo
O AND VIDEOSTREAMS.DEPLOYMENT OF MULTICASTING INTO THE ISP NETWORK REQUIRE
IS TO REDUCE THE NUMBER OF DEVICES USED IN THE DSL MODEM WHILE MAINTAINING
arch. 1) Establish in the APL Institute for Advanced Science and ì Technology in Medicine a capabilit
cally, since the correctness of a real-time system relies on timed operations, we focus on the verifi
focus the work on two components in the SIP- enabled MTIP framework: an enhanced multimedia
WARE TESTING METHODS AT UPPER DIVISION UNDER GRAD AND INTRODUCTORY GRADU
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s. Our project is to help faculty better assist the ì TAs assigned to them learn the teaching competencies
been represented by character strings. If an optimal representation of a character string can be

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ll study the ability of the process of adaptive ì mutagenesis to alter the ability of the rhizobium to form ì

pecifically he will work on the development mutagenic ì procedures in the Yeast model system. This sy
emic year June 6-10, 2001, in Estes Park, Colorado. This conference is primarily concerned with t

cesses that actually control the activation of this system. The B. subtilis paradigm will be employe
RC). ECRC is an educational oriented organization for ì educating small business owners to convert the
NT) induced by light. Our recent preliminary observations strongly indicate that the photochemica
operty of a "selective dopant". Selectivity means that charge transfer from such dopant molecule
with carbon nanotubes, as well as conduct electro-physical measurements of interest on the a

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tributed programming tool framework supporting visual distributed programming, performance visu
asy to understand and express by any non- computing professionals. Such languages will enable
of automatic language generation. We plan to adapt and extend our previous research on graph g

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ms for packet/burst classification, queuing, scheduling and QoS traffic engineering, taking into ac
The investigators propose to use hypergraph and cominatorial block design theories to guide the
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ethods of maintaining preferred characteristics in the reduced order system as well as related
this line, we shall focus on the following topics: 1) the definition of the wavelet transform of a linea

ject in southern Egypt is intended to provide the basis for a more ambitious proposal to use NASA
h has been convincingly correlated across the Red Sea. It is the oldest suture in the East African
w is the Nubian Swell defined, both structurally and topographically, across poorly known areas of

articularly Dr. Robert Haley. Behavioral experiments linked to Specific Aim 2 of the project will be
performed and ì modeled using a Bayesian network. The first series of experiments ì will provide basel

l features, ì impossible to map using conventional techniques, such as pace- ì and compass, air-photo

e electrode in ì cochlear implant users; and, (2) compare speech recognition ì through cochlear implan

uel cells, and will be tolerant to impurities in the fuel feed stream generated from reformed fuels. T
t temparatures in the 150 - 180 C range where CO tolerence is substantially improved. The proposed

learning tools for understanding significant underlying problems that are important for effective
learning tools for understanding significant underlying problems that are important for effective h
ıter architecture and systems techniques to support research in networked (wireless and conventi

se on signals. Task 2 - The goal in this task is to modify the standard boundary scan cell to be ab
t data rates in ì excess of 2 Mbps. Such a network will be used to support ì real-time multimedia applic
nnects. RAMP is ì capable of partial run-time reconfiguration and supports ì block-mode reconfiguratio

edia ì applications. Network services will be synthesized to offer ì applications a choice of best effort tr
erall TQI will reflect the quality as perceived by the society. In the US alone, the cost of poor quality
urate gains in ì software productivity is a major hurdle in fully exploiting the ì competitive advantages o
approaches and techniques to significantly advance the component-based development (CBD) tec

ctive of the project is to design alpha-helices that will promote the assembly of nanotubes into hig
final structures obtained. Two distinct morphologies that we are trying to achieve are extended i

related projects in the proposal: Project 1 is to prepare and characterize carbon nanotubes wrapp
eering members, in biomaterials and biomimetics that has unique knowledge of Army platforms fo
us materials, (2) Early warning of chemical spills and leakage, and (3) Providing information to: (a)

urface studies from analogs of depositional environments that are of scientific and economic intere

ving associate and baccalaureate degreees in STEM by increasing the numbers of students with
ences exist in these three key issues, based on personal (i.e., family), parochial (i.e., school), & p
a strong cooperative effort between criminologists and political scientists at the University of

). ARCADE would be a nationally available, web-based diagnostic tool for assessing reading co

stant (R) strains. Midgut proteins of S and R larvae will be analyzed by 2D DIGE and stable isotop
t epithelium by 2D gel electrophoresis showed widespread changes in the resistant strain. Amon

lable for distance ì delivery through the UT System TeleCampus. The degree program ì offering consis
and is largely responsible for the observed reactivity of Zn(II)- S constructs with electrophiles. W

ì various deposition conditions to be supplied by Raytheon. The ì second phase will be transport mea

ent time by integrating and extending research in two imporatnt areas: the use of COTS compone

e for the infant ì and parental satisfaction. While improved language outcomes have ì been reported fo

DMSP WEATHER SATELL- ITES.HOWEVER THAT WEBSITE ONLY PROVIDES THE FIRST O

ate solutions may be available when the system is launched or included while the system is runnir

lex environment. A question arises from this scenario: "How can we design software to cope with

rrents at the ground and on radio propagation from space. By utilizing measurements from multipl

e project are to: 1) ensure the selected group of science teachers has a breadth of understanding

ı Program. Teachers will have the opportunity to pass these concepts on to their own students thı

n the area. ì The topics and speakers have been selected to provide a survey of ì different topics in mı
o the area. ì The topics and speakers have been selected to provide a survey of ì different topics in mı
new to the area. The topics and speakers have been selected to provide a survey of different

omes barriers that have hindered effective software reuse and analysis for the past two decades.

molecules that regulate Akt phosphorylation and activity such as PI-3 kinase, PTEN, PDK-1, and C
molecules that regulate Akt phosphorylation and activity such as PI-3 kinase, PTEN, PDK-1, and C
enior design project, (2) the development of a course for computer science students that incorpor

ameters of the sensor. This will include the development of ì the required data sampling, instrument cor
r. Heelis is ì proposing Ion Neutral Instrumentation as part of the Goddard ì Space Flight Center (GSF
he Earth's upper atmosphere. The investigation will address problems related to how the upper atı
ly as space weather. ì Presently the conditions that lead to particular space weather ì conditions, prodı

give back to their ì community. The Reading One-to-One AmeriCorps program will place 110 ì Ame
ity) instead of classification accuracy. This proposal addresses how spatial autocor- relation, the
ior of a really large network cannot be investigated by ì simulating each individual node, running their p
umber of ì nodes). Thus their direct use in the simulations creates a ì shortcut that makes the simulat
first time ì formally introduced and applied to provide multiple reliability ì degrees (classes) in the same
ombined with the ì educational emphasis and simplicity. Thus, the framework will ì make it possible to
used as a testbed. Many challenging research issues arise in extending the E-plan system to prc

s. SAIC/Telcordia brings ì network management experience, the SMART-Nets infrastructure for ì an or
y ì Raytheon, UT-Dallas shall adjust the intelligent automatic ì protocol aggregation (Meta-MAC) appro
asurements, using various performance metrics. The control utilizes methods from artificial intellige
MERIT framework. We show that the theoretical optimum of the routing performance can be mea

ıe ì reading skill of low-performing students by offering reading ì training to teachers and parents that is
give back to their ì community. The Reading One-to-One AmeriCorps program will place 110 ì Ame
an anticipated multi-year study that would include the entire state or subsets of Texas metropolitar

ere CO tolerance is substantially improved, minimize fuel crossover and water transport for direct

ɔday. We will address the challenges in designing high-speed FIR filters, including analog tap dela

lable for distance ì delivery through the UT System TeleCampus. The degree program ì offering consis
es for fundamental topics in digital communications, wireless communications, and coding theory.

y selection and very narrow channel spacings are desirable to ensure increased capacity in limite

l use of the ì UTD clean room space, and will enable us to do research that ì would otherwise be outsi
ırface cleaning procedure appropriate to the surfaces to be coated; 2] Establishing a surface "pret
mas (and negative ions) in plasma processing. We propose a combined experimental and theoretica
ctical. It is designed to lead to remarkably useful and desirable thin film coatings for medical devi

identify and recruit biology teachers. In addition, the project will partner with Texas A&M - Da

non-stationary Markov process, consisting of homogeneous phases, separated by change points.
ɔntextual conditions) based on detection and estimation of multiple change points and phases. M
tocol design, network optimization, channel allocation in cellular networks, reliability of networks a

tware tools for building them automatically will be developed. Germane issues, such as scripting

ıer hand. 2. Develop column generation type techniques that will handle the large sizes. 3. Ber

erstanding the possible mechanisms that drive the upward/outward ionospheric plasma flow observ

to space by (a) utilizing the electrodynamic tether as an ì alternative to chemical based upper stages an

ation among the associates and with a Glass Box environment. HyGeMa will employ textual Ques

ne United States, with population of over 5,222,000, centering around Irving, Texas (United States

s project seeks to investigate the motion of plasma between the ionosphere and the magnetosphe
e characteristics of ion layers in the bottomside layer of the ionosphere and to assemble an averag

stand structures ì using facilities at the University of Texas at Dallas (UTD). In ì the second and third y
the series of DMSP satellites. This analysis will be used to develop a model of the structure of the

ribution of ì ionization it is commonly used in computational models and the ì frictional heating effects t
e Earth's atmosphere is the change in the solar activity level. Solar activity varies over a period of
phere below it, cause changes in the dynamics of the ionosphere. One of the dominant factors aff

of the United States. This project will provide our profession a model for libraries in the future and

ì the iterative development of such a testbed. We will design, ì build, test and study two generations o

ne such ì mechanism is the concept of clustering. I this research we ì intend to explore clustering furth

siological, and morphological data gathered by experimental scientists. It is now recognized that th

e eligible for public insurance. This study will use the Medical Expenditure Panel Survey (MEPS),
udy, we will obtain event-related poten- tials (ERPs) via visual and auditory stimulation in two grou

l, and new signaling protocols, which are uniquely suited for dynamic traffic conditions and which

enes ì have been cloned to date. The physiological importance of these ì neurotransmitter receptors h
odified when auditory feedback is briefly eliminated. The findings will provide avenues for improve

nediation strategies in a vast majority of neurological and auditory disorders. Plasticity mechanisr
eech. In this project, I will use a powerful new plasticity paradigm to study how specific features of

ì research. This work would require Drs. Hairston and Kivanc to ì develop new reduction algorithms fo
lren who attend the child care centers operated by ChildCareGroup contrasted with the care expe

S) reflects the program intent of promoting content mastery, developing master teacher candidates

enders. Although much has been written about juvenile waiver, very little research-based informa
ursue the research hypotheses that emerge from this exercise; and 4) apply sufficiently rigorous s

:t tests three hypotheses: (1) The Allaqi-Heiani structure is a suture zone separating two distinct te
:t tests three hypotheses: (1) The Allaqi-Heiani structure is a suture zone separating two distinct te
change from a fold and thrust belt in the west where the suture trends E-W to a shortening zones
ment erosion and sediment transport within and out of basin, monitor the growth, reproduction an
otope and major and ì trace element determinations, to trace and quantify natural ì bedrock-hosted cor

s are obtained by uniquely combining some of the most recent advances in various fields, includin

serving as the US ì Spokesperson. BABAR is now the main research activiy, and this ì will continue

Is itself to different approaches and insights to charm physics than experience at CLEO/ARGUS,
our 0.5 TB RAID has transferred from our Sun E250 server to the Linux master node. The farm ha
of the radiative return from the Y (4S) to the charm threshold region. This novel strategy is being

ve ì strategies will be taken to ensure the participation of ì culturally, linguistically, socioeconomically, a
to train interdisciplinary teams of graduate students from two disciplines to provide culturally sens

ch will provide benefits at the network, software and hardware levels to enhance the performance

: coverage. Users will connect nodes using already installed fibers by a simple plug-and-play ope

seven inquiry-based lessons created by the PI in Dallas-area 8th grade classrooms. We will also
ROVIDE ASSOCIATED PROFESSIONAL DEVELOPMENT OPPOURTUNITIES FOR TEXAS TEACH

field reflections from the interface would then give a change in the reflection measurements as
:s, ì governments, and industries that promote sustainable development ì of the Panama Canal Waters
ences of Bt can be highlighted and compared to the B. cereus group as well as other microbes. A
h the indiscriminate use of their personal data. However, proposals are calling for more active pa

Tambien Group outcrops in at least two locations in northern Ethiopia but has not been studied usi

tions of the brain mechanisms of hearing. In the ì proposed work we will access the brain systems of bo
rtions of the brain mechanisms of hearing. We will access the brain systems of both hearing and t
y, not even a ì single complete adult sauropod neck vertebra had been found in ì North America from l

le rate schemes that are suitable for the direct-detection fading optical channels. (2) A comprehe

quantum ì mechanically or classically. In the process of investigating ì them the PIs will train both grac

order to ì evaluate the circuit performance and characteristics in a ì reasonable time period, as require

OTHER APPLICATIONS.EDUC- ATION RESEARCHES AND PRACTITIONERS USE THESE SCI

ng of ì the physical and chemical processes that occur on the walls of ì low temperature plasma syster
e the water. There is no known reason why these unresolved plasma chemistry issues must impe

lable for distance ì delivery through the UT System TeleCampus. The degree program ì offering consis

development and delivery of OSHA's programs and services. OSHA's intent is to reduce the numbe

.OYMER NANOCOMPO- SITES FOR ENHANCED MECAHNICAL, ELETRICAL AND METAL AND
ons such as encryption, compression and wavelet transforms. The curriculum development par

ic programming and computational geometry as well as for quantitatively studying mobile ad-hoc
l hands-free PDAs. The research will involve developing techniques, protocols, and distributed al

sition of rare earth elements (erbium) in optical materials. The obtained results have already s

reign country such as the meetings in Munich Germany, 1994 and Paris France, 1998. The next T
international summary of recent developments in the main areas of relativity, cosmology and as
to prepare course materials will execute an agreement with University and TeleCampus detailing
JTD. The control parameters for the TQI system will be extracted from customer satisfaction data s

sment and development of business models. Business models will be presented to interested co

d from or inspired by neural network theory to determine its parameters (fuzzy sets and fuzzy rules
rogramming, performance visualization, debugging and analysis will be comprehensively investiga
termine if it is possible to instrument a distributed program without changing its program behavior,
wavelength division multiplexing (DWDM) had been deployed. It is well-recognized that the next- g

, NADH, Ca, Mg, pH and others. These regulatory mechanisms are insufficient to meet demand d

eriments are divided into four sections. In the first section we consider how directing attention to t
ssion which constitutes the northern ì part of the East African Rift. In Afar three structural trends ì mee

water quality significance using a recently acquired state-of-the-art inductively coupled plasma m
ocadherin 15). In this project, we plan to determine the function of Pcdh15 in the normal developme
SNR), the overall rate at which the video is sent and the delay parametes involved. We consider
may also be very ì large and heterogeneous. The motivation for the research is that ì routing algorithr
sues in ì future pervasive networking environments. We will create a new ì "meta-MAC" protocol framev
e sophisticated MAC protocols (such as IEEE 802.11), dynamically altering the protocol mix to supp
performance. This is achieved by developing a method for the optimized aggregation of an ar
alyze MERIT spectra. (2) Creating a professional quality software tool for the systematic study of
approaches taking into account close integration with higher layers, as well as dynamic wavelengt

Age appropriate speech recognition tests, observations, and parent questionnaires will be used to
ch recognition performance of school-aged children using Nucleus 22 or 24 cochlear implants will
dge to ì improve rehabilitation programs designed to enhance communciation ì skills; (c) conduct exper

cochlear implant between 2 and 3 years of age (early). Both groups will be tested at 3.5 and 4.5
ease: (a) expertise regarding emerging technologies for the ì hearing impaired and methods to incorpora
re to increase: (a)expertise regarding emerging technologies for the hearing impaired and incorpor

as furthered the recognition of translation as a creative act. Above all, Translation Review has inc

draw from our experience gained in developing ViSta to build a tool suite for the visualization of en
1. Fundamental issues in automatic VPL generation will be identified, and application-independer
ent and integration. The PI and Co-PI plan to investigate a graph grammar formalism capable of s
stribution ì of mobiles (topology) in time and space. Research in ad-hoc ì networking is mostly concent

DSS system types to be studied will all be characterized as direct spread CMDA packet networks w
networks with a TDM continuous outbound channel and a random access burst inbound channel.
ures much faster than previously used tech- niques. This project will investigate how this can be us

an and Caucasian adults with aphasia. The short-range goal of this project is to collect pilot data

g portions of MMI taking into account the user's mobility and (c) generate optimal/efficient delivery

by the staff of the Communication and Learning Center.
y the staff on the Communication and Learning Center.
y the staff on the Communication and Learning Center.
y the staff on the Communication and Learning Center.
y the staff on the Communication and Learning Center.
y the staff on the Communication and Learning Center.

STRUCTION AT THE UNIVER- SITY OF TEXAS AT DALLAS DEPARTMENTS OF ELECTRICAL E
GRADUATE STUDENTS AT UTD FROM THE DEPARTMENTS OF ELECTRICAL ENG.,CHEMISTF

al processes powering them. The center's main experimental and instrumentation work is to focus

earth science education. 3-D models of significant outcrops in the US and Europe have been built

lable for distance ì delivery through the UT System TeleCampus. The degree program ì offering consis

The assembly will allow intermolecular electron transfer and efficient collection absorbed light ene

ion in OLED vaccum technology or by other physical deposition methods. Relevant to the presen
ces will provide civilian populations and special antiterrorist and rescue services with a reliable sou
where giant resonance enhancement of SERS occurs. By original chemical means, we will attach

Topography Mission (SRTM) data to understand the tectonic evolutiono of the Afar Depression in I

chniques and behavioral correlates. Dr. Abdi area of expertise involves multivariate analysis, exp

e year.
systems, portable computers, and associated equipment and supplies. Two robotic laser range

hearing are ì generally able to compensate for such distortions and manage to ì communicate success
d to predict the intellegibility of frequency-shifted speech and simulate the confusion errors that aris
tional) scaling with non-linear scaling suggested by frequency-to-place mapping on the cochlea, a
listeners with normal hearing. The results of these experiments will be used to evaluate competi

potential for this ì method. The objective of this project is to develop this new ì strategy for the prepar
ated by these metal complexes was ì initiated. This summer we will prepare new metal oxide phases ì
Therefore, an objective is to develop a heterogeneous asymmetric catalyst using the ship-in-a-bot

assets, and proper risk management in the deregulating energy industry in the U.S.. This involves

ısses of priors, under minimum or no assumptions on the occurrence of change points, and for pa

ıl property rights of component vendors. A customization specification language will be created to e

lanned developments, provide a natural experiment in which the distinction between "perceived" v
ɔlogic information will be compiled, integrated, synthesized, and analyzed with the ultimate purpose
t to look at early child development for causal factors in crime. Research also reveals a relatio

dynamic execution of applications on PCA will also be developed.
complement the efforts of other academic and industrial groups that are active in meeting challen
troduced in the courses at UTD and will be made available to educators and researchers in other
ave-influenced ì deltas. Traditional models of wave-influenced deltas assume that ì all of the sediment
shable as sea level changes alone cannot result in differential tilting of strata. The objectives are t
ıer reacted through a transesterification to create a new primary amine group. This new amine gro

ɔposed consortium will offer the IRS the resources necessary to implement leadership developme
platforms. Equally important are the collateral effect of reducing the size, weight and logistical bu
s will be designed, fabricated, tested, and used in an assembly demonstration. We will develop hi

ɡ the resist application methods for e-beam lithography, developing the processes for e-beam writ

ɔhorylation ì deficiencies in humans remain largely unknown, although a number ì of alterations in mito
ferentiation. The levels of these enzymes are regulated to a ì large extent at level of gene transcription.
al for normal cell function. Defects in mitochondrial energy production are involved in a number o
synthase complex which synthesizes ATP from ADP and Pi using energy stored by the electron t
xpression have focused on the induction of hypoxic genes. Our laboratory is studying the down-re
to determine if the stability of the ATPA, COXVb, and/or Cyt c genes decreases during hypoxia; a
to determine if the stability of the ATPA, COXVb, and/or Cyt c genes decreases during hypoxia; a
atory sequences that are required for the hypoxia-induced down-regulation of the ATPA, COXVb,

elucidate the molecular mechanism(s) whereby hypoxic signals down-regulate these mammaliar
cus on the transcriptional regulation of the nuclear gene that encodes the a-subunit of the mamm
N SYSTEM, ARE REGULATED TO MEET CELLULAR ENERGY NEEDS. INTIAL WORK WILL F

graduate ì program and its associated low tuition more suitable and ì available to the life-long student

ults of this project are intended to provide quantitative evaluation of the impacts of upstream activ
exposed to chronic arsenic poisoning via groundwater. Cultural influences and high population c

lecular ì properties of the receptors that bind Bt toxins and that mediate ì toxicity to insects such as the
dents, and ì interns in the technical aspects of the Human Genome Project. ì This training program wi
to the FAW has been ì demonstrated in several genotypes including the cultivars, ì Cavalier and DALZ
at perform both useful and harmful functions in the terrestrial environment and in simulated extrat
e epithelial cell membrane with which it can interact directly (29). Nevertheless, Cry toxin action a
plish the proteome analysis of the PBW, we will compare two-dimensional gel electrophoretic pro
method is rapid, extra accurate, does not require a complex technique and professional skills and
pletely developed in this effort: Scribe - a technology that provides a means to capture and revie

Microlithography 2000 Conference in Santa Clara, and is ì producing more results that he would like to

ì dynamics of spectral hole burning, and identifying any additional ì physical measurements that may b

unications. Backward stimulated Raman scattering, using a pump beam launched at the receiver

fiber, various types of transmitters, and various environmental factors for the transmission and rec

e damage; and (2) Each electrode may be independently manipulated, greatly increasing the prob

search of ì over 10 years. This unique treatment program is likely to become ì a prototype for other cor
s. This program ì will translate our recent revelations (that defined the ì heretofore poorly understood lo
givers many ì of whom are women and adult children. The programs are based on ì new evidence fron
persons with ì AD and caregivers, 50 pairs will be assigned randomly to an ì intervention group and 50
its in the cognitive domains of prospective memory (PM), selective learning (SL), attention, and spe
ons to manage the learning environment to maximize the child's potential * Increases school staffs'

seminate curricula relating to the treatment and prevention of health problems of elderly individua
ESE ATTNETIONAL PROBLEMS. STUDIES OF CHILDREN WITH FOCAL STROKES WOULD E
RFORMING DUAL TAKS OR TASK WITH CHAINGING CONDITIONSM AND DECISION MAKIN

alize its potential and significantly improve its capability to support TCP flows and meet service rec

ee case studies. The first case study will summarize the findings of her comparative politics resea

well as simulation models, will be developed for evaluating the performance of existing and propo
n representative example of health oriented sensemaking application that test and demonstrate th

d auditory ì processing. In keeping with this emphasis, this project will ì assess the behavioral respons

ple communication links between computers.
. An improved description ì of bubbles and their associated small-scale irregularities would ì be of cons

on of chemical fuels or explosives. However, in nuclear spin isomers the energy is stored electron
s, as well as incident x-rays can trigger the decay of the 178Hfm2 nuclear spin isomer. Sampling

tions will ì be followed in this project. The first one is of algebraic ì nature. In the first stages of this pro
e starting point for this project is the following: given the action of a semigroup with involution and a
it for this project is the following: given the action of a semigroup with involution and a hermitian ke
ole factorization theory - for instance, unbounded isometries do exist, so that the usual polar decon
stochastic processes which are of interest due to sone self-similarity property that they could exhi
A FIRST TOPIC OF THIS PROJECT CONCERNS THS STUDY OF SO-CALLED MULTISCALE S

ned process, product and meta-models. The definition of the CAREA models is extremely import
from multiple satellites to describe the nature of the interaction when the interplanetary magnetic f
ata from multiple satellites to describe the nature of the interaction when the interplanetary magne
data from multiple satellites to describe the nature of the interaction when the interplanetary ma

ent the DIET center as the focal point. Goal Two aims at the execution of ongoing trade education

s management, ì etc. To accomodate such demands, joint adaptivity across several ì hierarchical layer
nd to develop both the classical analytical estimators and re-sampling estimators. The latter form

FIIA, -B, -D, -E, -F, ì and -H). Our laboratory has recently discovered a new human TFIIA ì alpha/beta
em, including the construction and analysis of transgenic mice, the use of sodium bisulfite to invest

an approach not only helps to ensure the integrity of early design decisions, but also provides a fr
s. Protein ì design, a powerful tool available to chemists for studying ì biological systems, will be used
o create a ì phage library expressing the receptor-gene III fusion. Peptides ì corresponding to target he
rom the demethylase protein Ada into the helical bundle. One Cys residue will be placed in each h
e site. Computer modeling (utilizing commercial software) will be used to identify positions on one
s 2 separate units, forming a dimeric system; and 3) reengineering the helix-binding surface of the
ions. The helix binding surface of the receptor is then reengineered to introduce selectivity for oth
ng motifs substituted with Zn(II). Protein engineering will be used to change the amino acid seque
luce binding specificity and affinity for other helical targets, namely viral membrane glycoproteins
e protein environment that lead to chemical reactivity of tetrahedral Zn(II) sites in proteins with (C

g of how the nervous system develops but would be an important step toward the development of
ne-threonine ì protein kinase B (PKB) that has been implicated in maintaining ì survival in a number of
t uses ì cultures of rat cerebellar granule neurons. The specific aims of ì the project are knowing that
imuli described in our grant project. Another issue is whether additional Akt isoforms exist in the m
st of apoptotic cell death that occurs during late neurodevelopment. Late developing structures of
by which these different physiological and pathaphysiological stimuli abrogate the signaling pathw
s, PDK-1 and CaM-KK, and (b) To determine how the increased expression of Akt by NF-kB is me
n specific and occur only during late stages of brain development, and 2. To investigate how the
ved in cultured neurons. We will transfect neurons with expression vectors for dominant- negative
kinesia, resting tremor, and progressive symptoms including dementia. Unfortunately however, a

athways of membrane traffic to kill cells. Membrane traffic is an essential cellular function and is u
ver, recent studies on the action of protein toxins in mammalian cells have uncovered another pathv
sites on coatomer dissociate the large coatomer complex into smaller particles. This work will be c
e detected by a combination of Raman spectroscopy, scanning probe microscopy and transmissio

me a reality. The primary goal of this project is to create nano-structured substrates or SERS-ser

sop attended by well-chosen representatives of international development organizations and spec

l metallic ions ì in the lower thermosphere, by allowing irregular (non-sinusoidal) ì time-varying wind fie

enter, Utah State University, Clemson University. UTD personnel will travel to Peru to participate

nier jazz band from ì the University of North Texas, as their annual opening event of ì their jazz concert
the Roundtop Festival in Roundtop, Texas. This concert is the beginning of a collaborative effort

n of Dr. George ì W. Fair, Director of the Communication and Learning Center of ì UTD.
direction of ì Dr. George W. Fair, Director of the Communication and Learning ì Center of UTD.
Development Center and Dallas ì Independent School District will provide professional development ì
gram operations will be addressed with the management team of Oliver and Reynolds Elementary
orps program operates as a self-contained unit within the school structure. One of the AmeriCorps
es: (1) Information necessary for successful program operations will be addressed with the manag
Corps program operates as a self-contained unit within the school structure. One of the AmeriCorp

IcKinney Partnership for the Education of Homeless Children and Youth, under the direction of Dr
eenville/Sherman Partnership for the Education of Homeless Children and Youth, under the direct
by the staff of the Communication and Learning Center. A Reading One-to-One portfolio is kept on
ive: helping students improve their reading skills. We anticipate no change in this objective or the

e: helping students improve their reading skills. We will institute subtle changes which will allow us

ıich does ì not include the pilot project's aftercare services. Although ì there have been several studies
practices; 4) analysis; and, 5) presentation of findings. We will prepare and distribute for review and
y the Juvenile Department, court, family, and providers. Tutoring will be offered to provide assista
such as ì the natural rock, Pb, and Fe. Excitation of nuclei can result in ì neutron emission. These neu
vae with good statistics. 2) A tomographic rendering of the neutrino-sphere during the early stages

uding: 1) Monitoring and control of gravity meter drift at the uGal ì level; 2) Use of portable absolut
ars. Gravity monitoring, using the methods developed at UTD, is part of the current plan. This co
year on the ì infrastructure. Gravity monitoring, using the methods developed ì at UTD, is a major par

ATED EDUCATIONAL MINI- COURSE WITH HANDS-ON, INQUIRY-BASED CLASSROOM AND F

ì donor/acceptor interactions. Systems separately utilizing all ì three strategies have been developed
ll be ì "Industrial Research Assistants" (IRA). In order to qualify for ì an IRA, the student will have to be

-BASED COATINGS AND WILL LEAD TO IMPROVED UNDERSTANDING OF THE MECHA- NIS
products, companies, and job opportunities. Unique shared experimental facilities and a techn
E, PEM, AS A SPERATOR, ARE PARTICULERLY ENVIRONMENTALLY FRIENDLY, PRODUCIN

of reproducing the observations within a factor of two at best. This project will use satellite and gr
data from NSF/MISETA campaigns carried out in Jicamarca, Peru, near the magnetic equator, wh
lf-healing networks. Self-healing rings have received a high ì degree of interest due to their simple conf
rent detection over a ì satellite mobile channel. In order to perform iterative decoding, ì soft decision n
roduce a buried-channel ì structure, and reverse the doping of the poly-Si to shift the ì threshold voltag
e further developed as ì necessary to provide design guidance for the subject devices.
lated to the X-ray lithography and molding processes, and establishing of advanced processing ca

2) ì computer-assisted language intervention (CALI) that does not use ì acoustically modified speech; 3
and many ì more are seen in other clinical settings. Language intervention ì comprises a large propor

IP layer, the proposed solution relies on the so-called Optical Internet Protocol (OIP), which cont
cooperation: (1) Protection: Complete the research on the distributed approach for shared path- p

e of central auditory function are changed by the therapy termed Tinnitus Retraining Therapy. Pa
ased gain in a limited frequency range may play an important role in severe tinnitus in cases whe

CH ON A MOLECULAR LEVEL.WE PROPOSE TO INTEGRATE THE FUNCTIONALIZED VIRUS

issues related to device production. The initial phase will serve ì to begin the development of the mod

researchers alike ì can use the tool to assess the impact of classroom intervention ì strategies on how
of combining information extraction technologies and advanced psychometric techniques in novel wa
hematical psychology to advanced mathematical methods for constructing and evaluating learning

marine bacterium. The ì process begins with the low-level production of autoinducer ì signal molecule

process begins with the ì low-level production of autoinducer signal molecules by an ì autoinducer synt
egulation. Ultimately we will determine the function of the plant produced AHL-mimics in the symb
rmation available on the molecular genetics of the production of succinoglycan and EPS II present
of quorum sensing regulated genes in two commonly used reporter strains (Chromobacterium viol
ess a very complex series of interlinked quorum-sensing systems. Three of those systems (Mel, S
onstrated that these plant-produced AHL-mimics alter the pattern of auto-inducer production in S.

ntify the precise cysteines and lysines involved in E2 (and possibly E3) and target sites of alpha 2
embrane proteins (Aim 1). Secondly, we will determine using a cell free assay developed in our la

e. It follows that an understanding of those factors responsible for the initiation of PHF formation r
associated, tau, into paired helical filaments (PHF) which make up the NFT: (1) What primary stru
ill address two specific aims: (1) Solid-phase peptide synthetic methods will be used to prepare
n transfer and offer potential for the development of a new class of enzyme- and cofactor-modified

stical analysis of results, and using statistical software ì to display results. She will participate in the rese
s. Bodner will participate in the research-team meetings and will join the on-going training of the tea
ein to ì single-stranded DNA. One method to be used involves a new ì chemical technique which starts
igands by EXponential enrichment) selection show that the Ff g5p has an unforeseen preference f

nearest-neighbours, (2) to DNA sequences selected by SELEX (Systematic Evolution of Ligands b
es having one or more chemical modifications to prevent nuclease degradation. However, ODNs
opose to use techniques called SELEX to find sequences that bind with high affinity and calorimetr
n replication protein A (RPA) and the simpler Ff virus gene 5 protein (g5p). The research design i

or implementing them. 2. Studying the scheduling of work in or-parallel and and-parallel systems.
l study this Horn Logic based approach to specifying syntax and semantics of programming langua
of the information. In this project, we propose to develop general techniques and tools based on tl
language will be designed to program navigation of web-based pages, and a GUI will be constructed
ques based on denotational semantics and logic programming for translating HTML/XML to VoiceX
allel implementation of tabled LP system will thus work both on shared memory as well as distribu
fication of the language can be used for automatic generation of provably correct interpreters and
d to deliver courses to the visually impaired via web technologies. The key aspect of AudioRover
of: 1) innovative extensions and modifications of the widely used Unified Modeling Language (UM

ng them, and characterizing them by using simple kinetic assays and spectrophotometry. The goa
components to test as inhibitors of the enzyme. The compounds to be synthesized and characterized

upon oxidation or reduction. Novel actuation mechanisms expand the repertoire available to scie

of convection ì pattern observations to date. With it they will examine numerous ì questions such as th

accounting for Gricean implicatures; and (2) expert knowledge bases that encode (a) information t

students are required. UTD has a stated objective of providing ubiquitous network connectivity, both
TION. THE PROJECT WILL FOCUS ON THE DEVELOPMENT OF ACCIDENTS SCENARIOS AN
AZARD COMMUNICATIONS AND EMERGENCY RESPONSE.THIS PROJECT WILL FOCUS ON D

nal promotion in competitive settings. The second investigation attempts to explain informal incer

acecrafts S16 through ì S20. The SSIES-3 measures the ion/electron density (ni and ne), ì variations i
ip high-quality GPS ì systems to participating universities. The estimated cost of this ì equipment is $1
nd the sources of heat and momentum that determine its motion. Most important in this regard is
for Space Sciences. A team, consisting of experienced space flight systems engineers and extrem
asurements and the functions underlying the development of algorithms to produce environmental

the magnetopause onto closed magnetic field lines in the low latitude boundary layer. Second, a

d muscle mass; this presents ì a formidable obstacle to human exploration of space, particularly ì for m
ì affordable, reliable, and safe access to space by (a) utilizing ì the electrodynamic tether as an alterna
om orbit without the use of chemical propellants. This innovative electrodynamic tether facility will
for mass analysis and species identification. This instrument will be small, compact and light weig
evolution of life, and the nature of resources on Mars. The common thread that runs through thes
, developing, constructing and flying a spacecraft that includes experiments of their own design.
amples will be determined from the evolved gases and the isotopic ratios of the principal elements
eveloping, constructing and flying a spacecraft that includes experiments of their own design. The
for utilization in biological, chemical, geophysical, environmental, and space investigations or in te
NDED MISSION REALTING TO VOLATILES,CLIMATE, MINERALOGY AND METEOROLOGY. 3.
DEVELOPMENT OF INTERFACE REQUIREMENT AND SUPPORT ALL TESTING AND MISSION O

the consequences of different strategies of the war on drugs on ì democratic stability, the effects of dru

lass time, 4) ì better performance of the campus network and internet interface ì in support of those efl
ssion and ì cellular function, which is effectively functional genomics. The ì current project is to try to u
tidisciplinary effort consisting of both laboratory and ì theoretical studies. This enables us to understand
ect is to develop a mathematical model of the pathway for the NF-kB pathway. The project will dev
f the ì middle class, leading to the social and economic isolation of the ì inner-city poor. While this rese
ween ì economic inequality or segregation and children's outcomes. These ì include reduced-form equ
1970 and 1990. We will use the 2000 Census to examine the concentration of poverty in U.S. me
nce to children otherwise uninsured. By December 2001 over 3.4 million children were enrolled i

and representations ì underlying accurate speech perception. This research is a ì follow-up to our stu
nd configuration of hearing loss. This problem might be significantly reduced if we had a better un
pothesize that HL degrades and filters the input, causing some childhood experiences & input to
l representations, and 3) slower & less efficient processing. Visual speech assumes a more impo
(QoS) in an IP over WDM network; 2) Mechanisms for dynamically ì allocating and provisioning bandwi
s project outlines a career development plan for research and education in the area of optical p
rformance, while also addressing the unique physical-layer properties of optical networks. The spe

ein binding ì assays will be used to probe the details for how Op-IAP ì recognizes its Reaper, Grim, ar
shown to be necessary ì and sufficient for binding and inhibiting apoptosis-stimulating ì proteins. This
ure, and in vivo ì activity is being tested. Since gel filtration indicates Grim is ì oligomeric, we are attem
ram in multi-cellular organisms which allows for the destructin of individual cells for the benefit of th
osis) proteins which are found in all animals and which contain 1-3 repeats of a conserved a 65 res
ptosis) proteins which are found in all animals and which contain 1-3 repeats of a conserved 65 res
2 domains of the genetically well- characterized baculovirus Op-IAP and Drosophila DIAP1 protein
, BIR domains, and caspases. We have confirmed that these interactions occur in vitro and will d
eral BIR1 mutations that strongly affect DIAP1 responses to apoptosis stimulators in vivo. To
ulators such as Reaper, Grim, and Hid in Drosophilia and Smac/DIABLO in mammals can activate
y bind and inhibit caspase proteases. This inhibition is overcome by certain apoptosis stimulators
s to block neuron death in HD as well as in Alzheimer's and Parkinson's diseases where inappropr
goal is to relate the functions of these regulators as observed in living cells to their structure and
to altered structure using CD(circular dichroism), NMR (nuclear magnetic resonance), and zinc ato
altered structure using CD (circular dichroism) , NMR (nuclear magnetic resonance), and atomic a

, SUCH AS THOSE INFE CTED BY VIRUSESOR AT RISK FOR BECOMING CANCEROUS. THE

k in a collegial ì research environment while developing contacts with other ì education researchers. W
at ì good decisions. Others argue that parental choice, say through ì vouchers or charter schools, will
we have developed for this project. It would allow us to extend our research on the links betwee
years of indivi- dual data for more than eight million individuals attending Texas public schools betw

of kinematic and acoustic ì recordings will be obtained for healthy adult talkers and for ì individuals hav

deployed at UT ì MD Anderson Cancer Center. Specifically, the following image ì processing modules

hms to analyze spectral images captured by the proposed oblique incident spectroscopy device w
biologists to identify a new animal. In particular, the following matching schemes will be designed
es in the scene can be viewed under low light conditions. The real-time capabilities of the OMAP p

specific objective of ì this project is to develop an exchange program and a set of ì working relationship
lly diverse ì college-eligible or enrolled women. This program is designed to ì encourage and prepare a
c ì model project within the Hispanic communities of Dallas/Fort ì Worth, Texas. Major barriers for Hisp
o ì develop and expand expertise among women and girls on the ì certificate themes and to promote w
ll enable ì participation of a broad spectrum of ethnically diverse ì college-eligible or enrolled women fr

detecting these changes. We wish to propose such a method here. Rather than inspecting all no
For this we rely on a self-organizing tree that constructs a hierarchy from top to bottom. To achie

County department. Departmental managers will receive training as to methods for analyzing per
e ì network level rules that allow acoustic experience to precisely ì alter the responses of large populat
erally recommended for autistic children, it is not yet clear how such enrichment improves brain fu
ation and temporal response plasticity improves the cortical representation of spectrotemporally co
kills. This project outlines experiments to more completely characterize what specific aspects of ar
auditory cortex map of frequency is sufficient to improve frequency discrimination ability. The sec
distributed response of auditory cortex neurons to speech sounds. The second aim will be to docu

ert ì tradition by leading composers from Mexico and the United States. ì The festival has been conceiv

ì supported by networks (web) at the universities and schools, ì teachers and their students can intera
cluding on-chip inductors, capacitors and RF filters, (2) Development of post-IC processing techni
omachining techniques. 2. Development of plastic microstructure replication techniques which will
orementioned fabrication methods, that is, the excellent control of nanolithography and easiness c
the applied electric field across the switch, development of an innovative proximity switch, which c
ive numerical simulations, (2) nanoscale device fabrication by lithographic processes and (3) com

LACK OF INFORMATION ABOUT THE ADEQUACY OF SERVICES PROVIDED. OF THE TOTA

eities in ì DNA structure. It has been proposed that these lesions cause ì significant alteration of DNA
nplex, ì the intermediate nucleoprotein complex involved in ì recombination-site pairing and strand excl
and cisplatin adducts will be analyzed by bacteriophage lambda-integrative recombination. The ex
rhang in normal human diploid cells is a function of cell type and ranges from 150 to over 300 nt,

on (e.g. for target tracking) are produced. The ì significance of this work is that it offers a miniature and
detecting and tracking moving targets in real-time.
es significant amount of uncertainity on device properties. Though devices are mostly modeled ac
nternationally known universities and must have excellent credentials and preparation for analog
detection scheme. We propose a low-noise error detection scheme by comparing the power spectrun
swiftly to high-speed motion. The major issue to be addressed is how to effectively extract key

e TSMP data is confidential, secure data housed at the Green Center at UT Dallas. The UT Dalla
: affects ì speech understanding the most.

ology was a mixture of spectral subtraction and subspace processing. The subspace methods pro

tivity. Here we concentrate on occipito-parietal (OP) & occipito-temporal (OT) contributions to visu
eral signals can arise from the mirror-symmetric region in the opposite hemisphere, and descendi
ng reversible deactivation techniques, we will determine the contributions the superior colliculus m

be carried out on cats that have incurred damage of areas 17 and 18 on the day of birth or at one
detection task. In the detection task, all components of the task are identical to those in the respe
lude the geniculate pathway, which arises in the retina and is mediated by the lateral geniculate n
ntified different regions within area TE, in the temporal lobe, as critical for the two cognitive functio

TION WAS REDUCED FROM 30 micro/dL IN 1980 TO 10 micro/dL , SE IN 1991. RECENTLY, H
anish during ì the preschool period. However, much is unknown about the ì development of young Spa
ddition, we have the ability to score the Spanish-language versions, Inventario del Desarrollo de H
e regularly exposed to English and Spanish prior to entering the educational system, i.e., simultane

stic properties of sediments containing gas hydrates. This project will extend full-wave inversion, c
curate delineation of gas hydrate distribution and concentration is important because of the potenti

ì and spectrofluorimeter, which are the primary instruments used to ì test potential mixing diagnostics.

engineering problems, and, in addition to publication in the open literature, it is expected that they w
Y YIELD, BUT ALSO SEPRA- TIONS, DISPOSAL AND FOULINH PROBLEMS. THIS PROP- OSA
FICIENTLY RAPID MIXING IN CHEMICAL MANUFACTURING PROCESS MAY RESULT IN LOS

ter-long thesis project. To be able to complete the proposed work by end of spring 2003, the scop
ues implementation of semantic and lexical operators in current retrieval systems. This will includ

alysis of the English grammar and syntax, and of engaging in question/answer and statement/res

r ì conforms to the Central Dogma of Molecular Biology, i.e. DNA is ì the source of genetic information
ducing genetic information in RNA originated in the Myxomycota and how it has changed since its

acy synchronization method taking into account complexity issue, effects of other impairments, rob
NVIRONMENTS.RESEARCH FOCUSES ARE ON THE PHYSICAL LAEYR ISSUSES SICH AS IMPF

) select sites that offered the maximum range of expected microbial activity, (2) have the maximu
luring Leg 182 have unusually high concentrations of microbially-generated H2S and methane over n
volutions by following a setting of coordinated events, discover new facts and relations connected t
ult the Treebank corpus will be annotated with a set of semantic relations, thus providing a valuab
GE PROCESSING APPLICATIO WE PROPOSE TO STUDY ANDDEVELOP TECHNIQUES FOR TH
Centro College. The UT ì Dallas Mother-Daughter Program will maintain records on the ì Mother-Dau
ucational ì technology, science education, and inquiry-based coursework in ì the geological sciences. T

would ì investigate how civil wars in one country disrupt other nearby ì countries' growth rates through
cal research protocols exists. The anticipated increase in ì precision and accuracy from space-time ana
the effects of air ì pollution on hospital admissions, and the effects of air ì pollution on early mortality.

The University of Texas at Dallas (UTD), The University of Arkansas-Monticello (UAM) and La U

cility will become ì the focal point for the training of undergraduate and graduate ì students in techniqu
of Matter MCM-41 and Dallas Amorphous Material DAM-1, for CO2/CH4 separations using both c
mine whether changing the functionality alters the stabilization of the resonance form of the mero

Instructors will model best practices for teachers using a hands-on approach to inquiry- based inve

ırt of the so-called 3G wireless systems. In this project, we extend the space-time idea to sending
ànnel coding approach is now widely recognized. Various techniques such as unequal error prote
m performance. This research develops coded cooperation methods that efficiently achieve this
and design efficient algorithms that have low to moderate computational complexity at the encod

eed deep- submicron interconnects in a unified model. We will use generic distributed RLC modeli

Two output response analyzer (ORA) circuits, called noise detector (ND) and skew detector (SD)
generates a synthesizable HDL code based on the ATE/SoC/ILP information. Additionally, we im
st. In Task 2, two output response analyzer (ORA) circuits, called noise detector (ND) and skew de

ions are of 'impulse response' type. It will be investigated how and with what accuracy impulse re
ber of respects the analysis capabilities lag behind the recent developments in hardware and samp

Our specific aims are 1.) to develop novel analytical tools to investigate the accuracy with which

gical studies of ì own-versus other-race face recognition will be combined with ì computational "face s
del of how we ì represent faces. In the first set of studies, we will use ì caricature manipulations, define
performed and ì modeled using a Bayesian network. The first series of experiments ì will provide basel

es 1) "Formation and stabilization of a carbon plasma" in such a way that that we provide a demo

eement. These participants will be studied through middle childhood (fifth grade) in order to invest

of development as individuals move into and through the second decade of life. In this applicatio
collected in 9th grade and to provide the ratings of the videotaped mother-child and father-child

ıes smaller than a virus. It is expected that functionalization of carbon nanotubes and subsequ
najor research focus ì will be biological-cell sorting since the separation of a ì specific population of cel

ɜ glass surfaces and we propose the use of atomic force, fluorescence, and Raman microscopies

ıdustrial Research Assistants" (IRA). In order to qualify for ì an IRA, the student will have to be a full tim
will be "Industrial Research Assistants" (IRA). In order to qualify for an IRA, the student will have
will be "Industrial Research Assistants" (IRA). In order to qualify for an IRA, the student will have
rrangement will be "Industrial Research Assistants" (IRA). In ì order to qualify for an IRA, the student wi
ite is located at ì an important junction where the Iranian and other Middle Eastern ì ophiolites are conı

ıip will be incorporated into the Geographic Information Sciences for Social Scientists and the car

ɜen two nodes, as well as the network distance (the number or cost of links is the communication
ly be reverse engineered to a limited extent to meet the above expectations, due to critical capacit
wired network technologies, this innovation can provide self-configuring, self-healing, fault- tole

ıcludes determination of the pressure-temperature solidus curve plus the pressure-temperature re
ston-cylinder press would be used for the experiments and compositions of phases would be dete

ɜchnicians to preempt and respond effectively to crisis situations. First we will evaluate the current

ast several years of the principal investigator of the proposed work, the design and development c

singularities on various methods in the theory of exterior ì differential systems. In the process of investi
al importance to science and technology, it is expected that the research and education that will e
of positive matrices, techniques for explicit pulse sequence design for quantum systems founded c

nalyses of ì transcripts. Ammonia must be produced during the catabolism of ì amino acids during nitr
and ì biochemical experiments of this project thoroughly test this ì hypothesis. A computer search of t
d mulitiple deletions of genes of four putative putrescine transport operons, two possible putrescine

sing in the mutants will be determined, and the proposed activities will be verified after characteri
"Genes of Nitrogen Metabolism in Escherichia coli" The grant analyzes the genes induced by nitr

en violence against women programs serving non-traditional students. The Police Department will
he funding would cover the overtime to cover that officer's patrol time. We are members of, and w

available for diagnostic assessment and treatment of newborns who ì fail hospital hearing screening; 2)

the Agreement. The Principal Investigator shall exercise due care in compliance with all applicabl
nation on the importance of early care and on the wide range of early intervention resources that a

ì arrangement will be "Industrial Research Assistants" (IRA). In ì order to qualify for an IRA, the stude
ì "Industrial Research Assistants" (IRA). In order to qualify for ì an IRA, the student will have to be a fu

terference ratio (SIR) based on quality of service (QoS) requirements. In our initial work on joint tr
adverse radio environment efficiently. Thus the PI will undertake a research project that addresse
rference ratio (SIR) based on quality of service (QoS) requirements. In our initial work on joint tran
m capacity we propose to develop interference management schemes by minimizing the total tran
ignal-to-interference ratio (SIR) based on quality of service (QoS) requirements. In our initial worl

hard to discover what ì visual content is available at other sites. The problem is ì expected to become r
, and 2-embedding of the data in a low dimensional Euclidean space, where the reduced dimensio
among visual data will become important for hand-held devices in the very near future. There are t

ne more active, as individuals and as a group, in making public policy that affects their quality of life

iences in urban and regional design and planning to enhance offerings in the public administration,
EST THE HYPOTHESES THROUGH INTERVIEWS AND EXPERIMENTAL GAMES. CORPORAT

tools unique to the higher-dimensional context. This project will develop contributions aimed at br

longest zero-delay path is decreased while the application represented by the DFG performs the s
nd ineffective. Current emulation systems use some additional SRAM chips to model memory ins

robabilistic collisions for multi- processor systems. It is known from the industry that for more soph

dvanced optimization techniques with provable quality. (2) Derive properties of relationships amor

of a versatile Gd3+ -chelate or synthon that responds to protein binding by increasing its water rel
ng the R21 portion of this funding and now have an opportunity to move this technology toward clir
amagnetic ion. Cleavage of a capped group by an enzyme for example exposes Gd3+ to water and
metabolites in permused mouse hearts, and adenoviral gene transfer techniques to alter intermed
m can be designed where prototropic exchange is modulated by pH, redox, or perhaps other diag
n extracellular tissue spaces by Magnetic Resonance Imaging (MRI). In this model system, we will
mer we designed and began the synthesis of a tetra-amide macrocyclic ligand containing 2 apper
IETABOLITE (glucos) CONCE- NTRATIONS.THIS TECHNIQUES IS ABSED UPON A CHEMICAL

ara-phenylenediamine moiety with classic crown ether chemistry to produce an entirely new class

. The initial target complexes are derived from well-studied hydrolysis/hydration catalysts that wer

and economic ì opportunities created by global change and emerging information ì technologies (IT), a
and dynamic versions of ì spatial base-multiplier model; 2) empirical testing of the ì existing and newly
ntensive ì problems of SDA and ESDA; (2) design, implementation, and testing ì of new algorithms for
onditions, and gaps in the telecommunications and information services in the Appalachian region.
lyzing science and technology-related activities in the Appalachian region. The major emphasis is
pproach for measuring spatial components of economic impacts. Second, it aims at developing a

ent retrieval ì problem and (2) the scheduling of groups of similar circuit ì boards as well as the boards
a class of ì notoriously difficult 'NP-hard' combinatorial optimization ì problems. A variety of performan
vith anticipatory setups, which belongs to a class of notoriously difficult 'NP-hard' combinatorial opti
out by the Flp recombinase of yeast to efficiently synthesize DNA minicircles as small as 169 bp.
both highly conserved and essential for maintenance of normal chromosome structure and funct
the ì back-arc spreading axis? 2) What is the inherent heterogeneity of ì the subarc mantle at scales
angement will be ì "Industrial Research Assistants" (IRA). In order to qualify for ì an IRA, the student w
Tewksbury at Hamilton College, which was designed to attract African-American students to scie

'ANT TO THE APPLICABILITY OF THOSE ASSESSMENT STRATEGIES. THE INVESTIGATOR \

be performed by University of Texas at Dallas referred to as Seller. The work will be applied to Ra

on hippocampal function. We will compare the effects of both PCP schedule and dosage on the

s, and are ì one of the ways in which solar activity affects weather and ì climate. UTD will participate in
lyzing one mechanism for such effects: that of solar wind-induced changes in energetic space par
ide parameterizations useful for the cloud modeling community. We are beginning to invest- igate

and software. TASK 3: Develop fitting (tuning) procedures for the DSP based ì hearing aid.

Training Program is to provide pre-doctoral training in the rigorous application of modern functi

marization. In the next decade the use of information ì visualization techniques will be essential to the s
g techniques for ì visualizing patterns and trends in large networks, with special ì emphasis on link ana

In the Summer of 2000, the Principle Investigator (PI) has taken the initiative to launch a project
is not well understood. The following are the PI's main proposed initiatives: The beamcoding tech

escribed in the next section. Here we mention only that the emphasis has been on several learnir
. In this project, we describe a project that exploits the mobile agent paradigm to monitor a large nu

Center (NICe). The NICe stores information such as the packet loss rate in the network, bit error r
se heuristics. We will iterate over this process several times until no further improvements can be
from a worst-case perspective. As a result, several near-optimal algorithms will be designed with
gy constraint. Different scenarios are proposed to be studied using the theory of optimal search.

sk for a ì variety of psychological disorders, both internalizing and ì externalizing. However, earlier inve
status, or ì self-esteem. This study will follow a normal sample of 300 ì children from 9-13. This invest
to become more frequent and intense. This investigation will examine how frequently children eng

asons , cosmology, scale of the universe, and the nature of the solar system. Each test will be de

ABLE PLATFORMS FOR DIS- TANCE LEARNING,SELECTING THE EBST PLATFORM,CHOSS-

e-to-One, with ì experience in the administration of collaborative literacy ì initiatives will maintain respo
(1) Information necessary for successful program operations will ì be addressed with the management t
e the following ì services: (1) Information necessary for successful program ì operation will be address

llows students and faculty the ability to use and evaluate resources. Objectives are to improve ac

ailability and worldwide applicability. The power source can also be used as network connection,
aded from the memory to the processor includes two physically concatenated but logically decou
ES BANDWIDTH ALLOCATION SCHEMES AND FLOW METERING SCHEMES IN THE ROUTERS.
ITS HIGH SPEED REQUIREMEN TS FOR THE DSM BASED DSL SYSTEMS. IN ORDER TO RED
y for near-field, ì scanned-probe, microwave imaging appropriate for applications in ì biotechnology;
ication of its temporal behavior, which consists of the essential and fundamental part for successf
synchronized SIP user agent client and a service broker. The following is our plan. We propose
ATE LEVELS.THE MOST EFFECTIVE APPROACH TO DEVELOP SOTWARE TESTING TEACHI

s necessary in ì discharging their "professional responsibility." Presently as the ì Director of the Teachi
e found by a numerical sequence, then a great variety of methodologies from disciplines such as c

symbiotic relationships with legumes. The second student will ì investigate the exact nature of the DN

stem will be ì employed to increase our ability to mutate the lysostaphin gene. ì The other will work wit
the biology of a variety of procaryotic systems. It is the major annually occurring international m

ed to examine whether or not a hypermutable subpopulation or populations exist. In addition, this
eir business from ì conventional operation to E-business. On-line education can ì greatly enhance the e
l O2 desorption and flash-oxidation by oxygen absorbed on a single atomic layer of carbon nanotu
should take place only to one polymeric component of DA photocell (e.g.from ns-dopant only neg
above systems.

ualization, debugging and analysis will be comprehensively investigated in addressing the above
fast protyping of high-quality domain- specific software. The fast and automatic generation of the
grammar formalism and visual language generation to suit automatic generation of visual XML desigr

count different alternatives. We will investigate the following aspects: * High performance packe
design of optical hypernewtorks. They intend to investigate the structural, communication, comp

implementation issues; d) Investigate wavelet method application in model order reduction
r system, 2) the computation of the wavelet transform, 3) properties of the wavelet transformation

technology to study the Nubian Swell. We will use Shuttle Radar Topography Mission (SRTM) da
ı Orogen. The rocks of the suture zone also potentially provide an important record of mid-Neopro
f Southern Egypt and Northern Sudan, and what part of this is seismically active? and 2) What is

e designed, conducted and analyzed by Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT D
line data for human recognition with different ì presentation types. The second series of experiments wi

ɔs and topographic maps. Real time Global ì Positioning System (RTK) surveying will be integrated with

ıt programming based on behavioral ì responses versus the more sensitive NRT procedures. The resea

These hybrid composite membranes will consist of nanoporous molecular sieves that have been te
d work will involve the following interrelated tasks. Task 1: Synthesis of molecular sieves. Tas

hardware design, software environments, and the middleware. The project will expose complex s
hardware design, software environments, and the middleware. The project will expose complex sy
onal) multimedia technologies. The projects involved in this multi-investigator research will result

ɔle to respond to signal integrity testing. The cell modification should add the least overhead com
cations for highly mobile enterprise ì networks. The nodes in such a network will also be able to ì inter
ın. This reconfigurable device can be ì used to design high-performance implementations of many of the

ransport as well as ì guaranteed end-to-end quality of service (QoS) performance. This ì innovative ne
y telecommunications hardware has been measured by the telecommunications industry (between
ɔffered by DSP technology. The laboratory ì for Advanced Software Engineering Research (LASER) will
chnology. Developing advanced CBD techniques spans three dimensions: 1. Ontology-based re

ıher order structures. As the simplest test of this concept, amino acids will be placed at locations c
ndividual peptide/nanotube fibers and well-ordered crystalline solids; (2) alter the design of the

ped with peptides that form amphiphilic a- helices or b-sheets. The objective of this project is to be
ɔr the future combat system (FCS) and the needs of the warrior. The Transformed Army equips th
) first responders in determining the spread of chemicals to contain/neutralize the chemicals, and

st to the nation. This project will complement previous studies of delta plain channels by focusing

disabilities entering into STEM disciplines and who go on to graduate training in the STEM discip
ıublic (i.e., community services) levels of available controls (Hunter, 1985). However, it must be nc
Texas at Dallas and terrorism and law enformcement agency expert, Dr. Robert Taylor. The researcl

mprehension in new ways that inform instruction and improve student learning and achievement i

pe encoded tag (ICAT)-based methods. Differences in the midgut proteomes between S and R lar
ıg the prominent differences, there is a significant decrease in the expression of chymotrypsin-like

sts of a set of 24 distance learning courses to be ì developed and offered (via the TeleCampus) by the (
e further propose that the reactivity (nucleophilicity) of this unit is carefully controlled in proteins b

surements on these materials. ì These two phases require the support of a research assistant and, ì d

ents and agent- and goal-oriented paradigms. The approach, called the COTS-Aware Requireme

ɔr early-identified infants, achieving gains ì necessitates timely compliance in moving from birth screenir

ıRDER DATA (ION FLOW VELOCITIES, PLASMA DENSITY AND COMPOSITION, AND ION TEMP

ıg. In either case, the swap from one set of components to another is done at run time without re

such dynamic environments?" Adaptive software/ systems address the solution for this problem by

le spacecraft we propose to examine space and time variations associated with changes in the int

in the basic ideas of life, earth, and the physical sciences; 2) improve depth of understanding in th

rough the improved confidence in teaching skills and competence of content knowledge gained fr

athematical biology. Each day will cover ì one topic. The topics include a) neuroscience, b) cardiac ì
athematical biology. Each day will cover one ì topic. The topics include a) neuroscience, b) cardiac dyna
topics in mathematical biology. Each day will cover one topic. The topics include a) neuroscienc

It is centered around vendor-side and developer-side data regarding embedded software compor

CaM -KK. (2)To determine how the increased expression of Akt by NF-kB is mediated during vasc
CaM -KK. (2)To determine how the increased expression of Akt by NF-kB is mediated during vasc
ates the necessary mathematical background for signal processing, assembly language programr

ntrol, telemetry, and ì timing algorithms required for instrument operation in a typical ì spacecraft envir
C) satellite, called Magnetic Atmosphere ì Explorer (MAX). If selected for Stage II, GSFC would manag
mosphere becomes unstable and how the resulting instabilities affect the propagation of radio wav
uced by plasma structures, are not well known. ì The EFEX mission is designed to redress this problem

eriCorps members in local elementary and middle schools to work ì with low-performing students in the
characteristic property of spatial data can be incorporated in the ST-PUMS framework. ST-PUMS
rotocols ì individually, and putting together the network model from these. ì To overcome this scalabili
tion independent of N, resulting in ì scalability to hundreds of thousands of nodes. Our team, com
e layer using a common protection ì mechanism, e.g., line switching or path switching. According to ì th
study complex network design/analysis ì problems through an undergraduate user friendly graphical ì
oviding ubiquitous, highly available and reliable access to critical information, as well in making the

n-line network data collection and insertion into simulation, ì and the integration of simulation with netw
oach to make optimal use of ì such extra information. Using the results of experiments, ì UT-Dallas sha
ence to optimize the performance under highly unpredictable conditions. An advantage of this fram
aningfully defined and efficiently computed, thus making the approach practically applicable. MERIT

s research-based and based ì on the same methodology, thus allowing proper reinforcement of ì skill.
eriCorps members in local elementary and middle schools to work ì with low-performing students in the
n areas and/or counties. The study exploits two ongoing bodies of research by UTD scholars, the U

: methanol fuel cells and will be tolerant to impurities in the feed stream. As part of this effort the h

ay line and the complexity of learning algorithms. A low-noise error detection scheme will be studi

sts of a set of 24 distance learning courses to be ì developed and offered (via the TeleCampus) by the C
We plan to develop a tool called V-ComLab Bench using Java programming techniques. V-Com

d bandwidth. Recently micro- electromechanical systems (MEMS) technology has been introduce

de our grasp. The laboratory will be used ì to enhance the research capabilities and teaming of the PIs
treatment" step, likely involving the use of oxygen gas plasma, to functionalize the surfaces in prep
l study of ion-ion plasmas and processing. Such an integrated approach is absolutely necessary t
ces. Perhaps the most novel aspect of the proposed research involves the holistic approach to be

allas Center to help support the annual Biotechnology: Potential & Challenge Conference that will

As a practical development of classical change- point models, the change points are treated as r
lethods: The right stochastic model for the sequence of developmental indicators will be targeted t
and quality of service (QoS), network performance analysis, mobile ad hoc networks (MANETs) et

and domain specific languages leading eventually to visual interfaces for specifying the user-inter

nchmarking techniques that will allow us to gauge the quality of the heuristic. 4. Deliver software c

ved in the high-latitude F region above 500 km altitude. These flows are generally seen to be prim

nd (b) to return a ì satellite to Earth thus minimizing orbital debris. The Michigan ì Technic Corporation

stion-Answering techniques as well as text mining approaches to uncover tacit knowledge along w

s Census Bureau, 2001). This proposal is a strong cooperative effort between the University of T

ere through the utilization of ion flow data from both the low-altitude DMSP series of spacecraft and
ge description of the bottomside ion density variation with local time and latitude. This will be a two

years we will validate the capabilities of ì the sensor by performing laboratory tests of the instrument usi
velocities at these scales as a funtion of season, hemisphere, solar cycle and geomagnetic activit

from this source are well accounted ì for. At smaller scale sizes the plasma flow represents ì essential
f 11 years. This is called the solar cycle. Thus solar cycle variations can have profound effect on
fecting the Earth's atmosphere is the change in the solar activity level. Solar activity varies over a

d possibly create a means to foster cooperation between libraries. The objective of our proposal i

of moving platforms which ì track a receiver to maintain an optical communications link. The ì developn

ner. Current clutering ì approaches have the following deficiencies: 1.Generalization to arbitrary d-clu

he application of mathematical and computational approaches is necessary to gain an understand

compiled by the Agency for Health Care Research and Quality, to examine the relationship of the
ups of children; a group comprised of children showing poor listening skills as compared to an age

provide improved performance over existing approaches, will be investigated. In addition to e

has yet to be fully unraveled, ì although they have been implicated in critical brain functions ì including
ed management of cochlear-implant users. 2. To determine whether speech features modified i

ms are involved in hearing loss, tinnitus, cochlear implants, the development of speech and langu
the acoustic environment alter frequency selectivity, and temporal following properties, and fidelit

r the data including new ì quality checks on the data, and also to develop the website for ì distributing
riences & development of demographically similar comparison children who attend non-Child- Car

s, and encouraging participation in masters-level opportunities for life-long learning. The unive

ation about these new hybrid systems is available. It is important that information about the new s
spatial data analysis and statistical modeling regimes to provide for a definitive study. The feature

rranes; (2) The structural styles along the suture change from a fold and thrust belt in the west wh
rranes; (2) The structural styles along the suture change from a fold and thrust belt in the west wh
and strike-slip fault system where the suture trends N-S; and (2) The change in structural style wa
d biomass of key biological species, characterize the nutrient flux within and out of the watershed,
ntamination, and as monitors of downstream ì mixing and water quality. We will enlist URRB high schoo

ıg 1) the integration on a single micro- substrate of multiple modules - i.e., sensing device(s), Radio

during the period of this project. UTD will ì continue its BES involvement on a reduced scale. We will

LEP and fixed target experiments. A smaller collaboration like BES provided many hands-on opp
ıs a direct 1 Gbit/s fiber link to UTD's main network router which connects us vis Internet2 to SLAC
| pioneered by UTD physicists who have provided BABAR with tag, filter, and selection modules t

and other diverse ì individuals, as well as parents of children with disabilities at ì all levels and in all ac
itive, family-centered EI services to infants and toddlers in natural environments, including home, c

of other military and law enforcement information networks, particularly for crisis prevention and

ration. Once connected, the Plug -and-Play Optical (PPO) nodes will continuously communicate

create an additional supplementary lesson on galaxies that can be integrated with the rest of th
HERS. MANY STATES, INCLUDING BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDL

shear-stress evolves. We propose to conduct such measruements to infer nonlinear elastodynamic
shed. Specific activities to be ì undertaken and completed over a two-year period include: (1) Phase
Although many characteristic phenotypic properties of Bt are encoded by extrachromosomal DNA, on
articipation of the individuals through regulated markets. Rather than information brokers collectin

ing modern geochemical, and isotopic techniques. We will conduct detailed structural and lithostr

oth hearing ì and touch and will attempt to interfere with or modify the ì tinnitus. We will do this by the u
ouch and will attempt to interfere with or modify the tinnitus. We will do this by the use of: i) certain
Late Cretaceous rocks and no giant Late ì Cretaceous had been found anywhere in the world! Partial ì

ensive study of coding schemes suitable for implementation in free-space optical channels. In par

duate and undergraduate students. ì If the research is successful, it will not only lead to better ì techni

ed by real design practice. The ì process of reducing linear system order is called linear system ì order

RIES AS MEASURES OF STUDENTS PROGRESS AND TO ASSIGN ACCOUNTABILITY RATING

ms and b) to develop an understanding ì of how these wall processes feedback to the plasma chemistry
de the use of PBII, but they will until a firm understanding of PBII is developed and it can be tailore

sts of a set of 24 distance learning courses to be ì developed and offered (via the TeleCampus) by the (

r of worker injuries, illnesses and fatalities by focusing nationwide attention and Agency resources

) CARBON PROPERTIES. MW PROCESSING IS CURRENTLY USED TO SINTER CERAMICS ANI
rt of this project will focus on (1) the incorporation of DSPs into the senior design project, (2) the d

networks (MANETs) via simulations. The equipment will also be useful to a number of other grou
gorithms for reliable communication in MANETs and validating them through extensive simulation

shown a strong promise for effective application of this technology for the treatment of materials w

Texas Symposium is planned by the Arcetri Astrophysical Observatory. The event will take place i
strophysics. Previous Texas Symposia have had an attendance roughly between 300 and 1000 p
the Author's, University's and TeleCampus' obligations with respect to the Author's contribution
so that the overall TQI will reflect the quality as perceived by society. Following are the specific

mmercial parties (entrepreneurs, corporations, and funding groups). Business models selected for

s). The preliminary results obtained from Gaussian based fuzzification are very promising when a
ated in addressing the major issues. 2) The development stages of the program construction, deb
what the major benefits of dynamic program monitoring using logical clocks are, how traditional ex
eneration Internet infrastructure will be based on th scalable, QoS supporting IP-over-DWDM techr

luring ischemia. Since the majority of NADH and FADH2 reducing equivalents are produced in the

he face by engaging the social interactional system might facilitate later recognition of the face. I
t: a NNW-trend parallel to the Red Sea in the north; an E-W ì trend parallel to the Gulf of Aden in the ea

ass spectrometer at the University of Texas at Dallas. Carbon and sulfur isotope analyses will per
ent of the inner ear neuroepithelia. Specifically, we will study temporal and spatial expression pat
the scenario of a single sender and a single receiver with a feedback mechanism. The schedulin
ns typically find their paths using link costs or ì weights, so it is critical for the overall network performar
work that implements a higher layer of ì adaptivity, on top of existing MAC protocols. Specifically we ì
port Quality of Service (QoS) at the MAC layer, and an in-depth study of the correctness, stability, a
rbitrary set of performance metrics into link costs, via a special weighted combination of metrics wit
routing protocols using the MERIT framework. (3) Extensive experimentation with a large numbe
th allocation. Hence, it is believed that GMPLS will play an important role as a unified control plar

o determine the effectiveness of different FM devices. Speech recognition abilities of older childre
be determined in quiet and in noise while using different FM systems. Speech recognition perfor
rimental and descriptive research in ì aural rehabilitation; (d) participate in the publication process; ì (e

years to assess the rate of speech development over a 12-month period of time. It may be that
ate new advances into ì educational curricula; (b) knowledge of both regular and ì specialized classroo
ration of new advances into educational curricula; (b)knowledge of both regular and specialized c

creased the awareness of other cultures and literatures. Among the major features of the journal h

nbedded systems design. It will visualize the application software, the operating system, the hardw
nt solutions to the current problems will be provided. 2. A VPL generation framework will be
spatial specification that would equip DSVLs with an expressive power for a large range of applica
rated on the network layer, focusing ì on the solution of problems such as routing and network integrity

with a TDM continuous outbound channel and a random access burst inbound channel. The space
The space segment will be assumed to be GPS with an appropriate L/S-Band TX/RX package on
sed to accelerate both the data collection (especially the part that requires human interven- tion) a

on a broad range of narrative discourse tasks from African Americans and Caucasians with and

schedules that will take into account the precedence constraints and the user's preferences. The

ENG.,CHEMISTRY AND PHYSICS. THE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION
RY AND PHYSICS AND RESEARCH AND RESEACH-RELATED EDUC- ATION. THE NEW AN

s on thw low noise, high resolution, high risk, interdisciplinary detector and instrument technologies

t by UTD utilizing this technology and oil companies are our models, and displaying them in variou

sts of a set of 24 distance learning courses to be developed and offered (via the TeleCampus) by the

rgy by polyconjugated polymers (PCP) or their fragments and oligomers structures and facilitate s

t proposal Zakhidov has suggested the p- and n-selective doping of organic solar cells, and the co
urce of electric power as well as the capability to charge storage batteries in the field under extrem
single molecules to "hot spots" on nano-chips. One of these methods is based on our pioneering

Ethiopia. Technical objectives of the project include: (1) Integration of ASTER, RADARSAT and SI

perimental design analysis, and MATLAB programming language. He will dedicate 2 days per we

efinders will be rented for the work. UTD will demonstrate the digital mapping method, assist in the

fully. This project investigates the ì perceptual basis for the separation of a target voice from a ì compe
se when frequency shifts are introduced. Our preliminary findings indicate a synergistic relationship
and with nonlinear transforms derived from speech production data. There are three important rea
ng models of the perception of frequency- shifted speech. Project 2 extends the methods of Proje

ation of molecular sieve membranes and ì evaluate their potential for the separation of CO2 and N2. Th
using metal complexes as templates. Additionally, hands on ì utilization of major research instrumenta
ttle concept. Our methodology involves encapsulation of a well-defined metal complex during zec

(1) stochastic modeling of energy prices, reflecting their multi-phase behaviour, the mechanism o

ırtially hidden data. This includes derivation of asymptotically pointwise optimal detection rules, B

enable users to precisely describe customization requirements, including platform capabilities, oper

versus "real" public-housing impacts can be addressed using standard econometric techniques. T
of refining basin and tectonic models, and thereby better understanding petroleum exploration risk
onship between various measures of academic performance and antisocial behavior. Delinquents

ıges of future networking applications. In this project, we will investigate and realize dynamically re
schools in the United States and abroad. Besides core teaching material, each course module w
is derived directly from the river, but this ì is also wrong. Many modern wave-influenced deltas are asyı
thus to establish rates of syntectonic behavior in a distal foreland basin setting at a resolution not y
oup is spatially adjacent to the organic functionality already placed in the monolayer and thus a diffe

nt programs to its geographically dispersed leadership population of approximaetly 14,000 emplo
rden of these platforms and systems. The university/industry team is in place from the onset in or
ighly anisotropic etching processes that will enable high aspect ratio structures to be transferred in

ing sub-micron features and subsequent processing of single and multi- layer resist up to 3-3.5 mi

ochondrial DNA have been described. The ì identification and characterization of the factors that regulat
Research in my ì laboratory is aimed at understanding how the genes that encode ì the subunits of th
of diseases, such as mitochondrial myopathies. These studies will be carried out using establishe
ransport chain. Different mammalian tissues have greatly different oxidative energy needs. Resea
egulation of mammalian aerobic genes after exposure to hypoxia. We have determined that the lev
and (4) to identify and characterize the cis-acting regulatory sequences that mediate the hypoxia-
and (4) to identify and characterize the cis-acting regulatory sequences that mediate the hypoxia-
and Cyt c genes; and (4) to identify and characterize the trans-acting regulatory factors that med

ı ATP synthase alpha- subunit gene (ATPA). The specific aims of the work described in this propo
ıalian mitoc- hondrial ATP synthase complex (ATPA). Experiments are described in specific aim #
:OCUS ON THE TRANSCIPRTIONAL REGULATION OF THE NUCLEAR GENE THAT ENCODES T

:.

vity on Smoky Hill River streamflow, and therefore on SHRW water right, and of unexploited local
density in south Asia make surface water (streams, rivers and lakes) unreliable as a source of clea

e cotton leafworm. Several Bt ì toxin-binding proteins have been identified in various insects. ì Howeve
ll be extended outside the auspices of ì the UTSW, a graduate and medical school, to The University o
Z8501 of the genus Zoysia, and it appears to be ì rather simply inherited. These resistant lines have bee
:errestrial environments. 2.) Validate the applications of biomolecule detection chips for monitorin
apparently targets cell-cell and cell- matrix interactions within susceptible hosts. Clostridium perfri
ofiles of fluorescently-labeled proteins (22) isolated from midgut epithelium of R and S PBW larvae
allows considering a physiological condition of the individual, specific nature of an immune profi
w a student's actions while using an interactive learning module; and WebTeam - a technology th

ɔ present. The second ì project involves the creation of a very narrow band filter that ì has a myriad of

ɔe needed for the design of useful ì Raman amplifier systems.

end, can be used to amplify either on-off keyed or phase-shift-keyed signals over a broad gain spe

ception of analog radio-frequency signals using fiberoptic interconnects. Modeling will be conduct

ɔability of useful signals with a minimal number of electrodes. The Neuroscience team at UTD will

mmunities because of the cutting edge ì methods and expertise drawn from nationally recognized resea
ɔng-term consequences of a brain ì injury on subsequent cognitive, linguistic, social, academic, and ì b
n our extensive research in healthy and ì disease-related aging processes. Our unique treatment progra
D pairs to ordinary community support. We ì will measure the effects of our interventions on patient's ì
eed of processing after pediatric TBI, 3) to relate deficits of prospective memory and selective lear
' knowledge of the effects of brain injury on student's learning and the need for academic change

ls. Goal 3. Support continuing education of health professionals who provide geriatric care. Goal
ENHANCE KNOWLEDGE REGARDING THE SPECIFIC NEURAL MACHANISMS THAT UNDERLIN
IN RELATION TO MOTIVATIONAL MANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE

quirements of a wide variety of applications. In particular, we intend to provide solutions to the follo

rch in a format that is readily accessible to students and policy makers. One negotiation simulatio

sed lightpath provisioning protocols. In addition the theoretical aspects of the proposed provisioni
ne needs of emerging of future optical and broadband networks, we will build an applications supp

ses to a variety of stimuli (tonal ì and synthesized speech), and determine whether correlations exist ì I

siderable importance in the understanding and prediction ì of the often severe radio scintillation effects

magnetically so that it would be released as x-rays and gamma rays, if it could be triggered. Prior t
over a range of energies spanning 20 keV showed that the electrons have larger cross sections fo

ject special attention ì will be paid to the theory of induced representations on ì indefinite inner produc
a hermitian kernel which is invariant under this action, the Kolmogorov decomposition of the kerne
ernel which is invariant under this action, the Kolmogorov decomposition of the kernel should give
nposition of bounded operators must be formulated. The recent interest expressed in the mathema
bit. These are processes evolving along a tree and these kind of processes are strongly related t
STOCHASTIC PROCESSES WHICH ARE OF INTEREST DUE TO SOME SELF-SIMILARITY PROI

ant; models are used to embody abstract ideas in a concrete representation and allow the ideas t
field has a particular orientation toward the north. During such conditions it is thought that the con
etic field has a particular orientation toward the north. During such conditions it is thought that the c
agnetic field has a particular orientation toward the north. During such conditions it is thought that

nal and professional development programs for INV firms, in a joint effort with several Dallas-base

rs is necessary. Our project is an integrated ì "systems research approach" to achieve this goal. We will
a strong modern alternative in statistical computing. These are based on less parametric assump

-like factor, ALF. Like TFIIA, the recombinant ì ALF-containing complex is able to stabilize TATA-bindin
tigate ALF promoter methylation, and the use of DNase I and chromatin immunoprecipitation assay

amework to guide correct implementations of the security system design. The methodology will ha
l to engineer a DNA demethylating ì agent. The demethylase will consist of a tetra-thiolate ì zinc-bindir
elical segments will be labeled with ì biotin, immobilized on a streptavidin-coated surface and used to ì
helix, with the location of the fourth thiolate ligand varied. The stability of the helical bundle motif w
surface of the sheet that have the correct orientation to house a protease site. The protease site w
receptor to introduce selectivity for other helical targets. Specific aims are: 1) establish associa
ner targets, including the membrane fusion proteins of viruses.
ence in order to modify properties of the protein environment surrounding the metal-binding site. Tl
used by enveloped viruses to pormote membrane fusion and infection of target cells. Protein-prot
ys)n(His)4-n ligation. We hypothesize that the reactivity profile of a Zn (II)-binding site (i.e. the rel

effective strategies to prevent or treat neuropatholgies. The overall goal of this project is to utilize
f cell types. We will study the involvement ì of PKB in the inhibition of apoptosis/maintenance of surviva
PKB is necessary for IFG-1-mediated ì survival, to determine whether it is also involved in survival ì pr
ammalian brain or gain additional insight into the regulation of Akt. Some preliminary data we hav
f the brain including the cerebellum, the hippocampus, and the retina are most severely affected b
ays that normally maintain neuronal survival are far from clear. The goal of this project is to exami
ediated. Whether the elevated expression of Akt is the result of increased mRNA/protein stability o
fh mutation activates the cell's apoptotic machinery. Our hypothesis is that in the brain at early
& constitutively-active c-Raf to examine this issue. The contribution of B-Raf, Ras, & the intrace
at the point of diagnosis about 80% of the dopaminergic neurons have already been lost. Althoug

used by many pathogenic viruses and toxins to damage cells. An understanding of membrane traf
way from the Golgi complex to the ER that is independent of COPI. There are two specific aims in
continued to determine whether coatomer is dissociated into smaller particles by peptides that are r
n electron microscopy. Once it is verified that protein helices will wrap nanotubes, the second obje

nsor "nanochips" that contain arrays of metallic nano- structures of controlled size and shape. This

cialists from developing/transitional countries to discuss key issues. Location should be chosen to

elds, and by enablling the model to be seeded ì with empirical input data. In addition, LEAD outputs will

in launch operations during the 3rd year of the proposed effort. The proposed experiment is a 3-y

t season for the past five years. They have ì joined the roster of the Texas Touring Arts Program. This g
between UT-Dallas and the Roundtop Festival presenters to do joint concerts. He is a member of t

for mathematics and science teachers. The focus of the project is ì developing standards-based scienc
y Schools. (2) UTD will assist with training of tutors and evaluation of all levels of staff for the Oliver
s members assigned to the school will serve as an on-site coordinator. In addition to the on-site co
gement team of the Athens Independent School District. Reading One-to-One master manuals will
ps members assigned to the school will serve as an on-site coordinator. In addition to the on-site c

. George W. Fair, Dean of the School of General Studies at UTD as set forth in the above referen
tion of Dr. George W. Fair, Dean of the School of General Studies at UTD as set forth in the abov
each student which contains the students written work, assessments, and tutor comments, etc. T
intensity with which we pursue it. We are asking for more part-time members. More part-time m

to improve our overall program. Specifically, the implementation of the state mandated Member

of aftercare programs in the ì U.S., most have been stymied by several shortcomings. An ì important
comment, a draft ì document that reports our preliminary findings. Second will be ì one or more formal
ance in academic areas. Drug Court objectives are to reduce substance abuse and recidivism rat
utrons can be rapidly captured in ì adjacent detectors, giving the time profile of the incident ì supernova
of the supernova explosion, including a definitive diagnosis of the black-hole formation. 3) Studi

te gravity measuring equipment and ì inter-survey (multiyear) absolute gravity ties; 3) Evaluation of n
ntract extension is intended to fund a fourth phase of fieldwork and an analysis of all of the field da
t of current plan. This contract extension ì is intended to fund continuing involvement in the analysis of

FIELD EXERCISE TIED TO EACH FIELD COMPONENT OF THE USARRAY IN SOUTHERN CALIF

in our labs, with some ì exhibiting the lowest Egaps reported to date. We will combine ì these approac
a full time student with ì excellent academic standing. In addition, the student will have ì to have suffi

SM BY WHICH CONDUCTING POLYMER COATINGS INFLU- ENCE CORROISION BEHAVIOR. ON
nical staff with frontier capabilities will facilitate industrial and university R&D in solar cells/OLEDs,
NG ONLY WATER AND HEAT AS BY PRODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY

ound-based data and the NCAR thermosphere/ ionosphere/electrodynamic general circulation n
ıich include the Jicamarca Radio Observatory (JRO) database of incoherent scatter radar measure
iguration and ability ì to survive failures. However, some companies still favor mesh ì restroration as th
on-coherent detectors will be considered. ì Continous phase modulation (CPM) will be considered for th
ge back so the device is enhancement mode. The ì effect of these changes is to reverse the direction o

apability required for development and fabrication of new MEMS devices. A major focus of these e

3) individual language intervention ì (ILI); and, 4) group language intervention (GLI). Each child will ì b
tion of health and education services ì provided to children with disabilities. This study proposes a ì 4-

inuously senses the state of the Optical Layer and dynamically determines its optimal configuratio
rotection, and compare it with centralized path protection. (2) Restoration: investigation of distrib

tients coming for the treatment of problem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (
re certain sounds are very objectionable to the patient. ABR data will also be collected. The resu

DIRECTLY WITH THE SILICON ELECTRONICS. THE SENSING COMPONENT WILL BE BIMOLEC

el. Specifically this phase of ì the project will address two issues: 1) Develop a model of the plasma s

studetns process text, including how they use ì prior knowledge and strategies for making sense of the
ays is to provide detailed assessment and diagnostic information for use by teachers and students i
g models of the brain and behavior. The following topics will be covered in the first workshop: Bay

es by an autoinducer synthase, called LuxI. As ì cell density increases above a threshold level, the acc

thase, called LuxI. As cell density increases ì above a threshold level, the accumulated autoinducers a
biotic relationship. It is exciting to consider the possibility that many eukaryotic hosts could be cap
enormous advantages to the study of the molecular prerequisites necessary for the function of these
lacium and Agrobacterium tumefaciens). Furthermore, we have demonstrated that these plant-pr
Sin and Tra) play a role in nodulation, exo- polysaccharide production and conjugal plasmid transfe
meliloti . We have partially purified at least six alfalfa AHL-mimics and shown that some of them a

0/21 respectively; utilizing the proteomics technology of isotope coded affinity tags and LC-MS/MS
aboratory, the target proteins for spectrin's E2 activity (Aim 2). Finally, utilizing mutagenesis expe

might provide clues to understanding the causes of AD. It is known that PHF are composed of a p
uctural elements of tau are essential for the formation of PHF? Solid phase peptide synthetic met
minimal peptides capable of forming PHF and their "PHF-forming potential" will be evaluated using
d electrodes. The aim of the present proposal is to develop substrate specific electrochemical bio

earch-team ì meetings that take place twice a week. In these meetings, she ì will join the training that t
am. She will join the professional discussions and analyses during the team meetings. While bein
s with a large pool of random DNA ì sequences and which allows the g5p to bind to those sequences ì
or ssDNA sequences that may form structures such as a hairpin or a pseudoknot to initiate cooper

by EXponential enrichment), and (3) to phosphorothioate-modified DNA. A thermodynamic study o
having equivalent theoretical hybridization efficiencies can differ greatly in their specific biological
y to study the the thermodynamics of binding of such proteins to various types of DNA molecules
is to discover preferred binding sites for these proteins by the SELEX (Systematic Evolution of Lig

. This study, we hope, will lead to interesting insights into designing schedulers for parallel log
ages. Our major focus will be on applications of semantics related to verification. In particular: 1
he integration of VoiceXML and webbases, that will facilitate transparent, personalized, non- visua
to facilitate the development of programs written in this domain specific language. Complete d
XML; (ii) couple such a translator with webbases to create VoiceXML-based webbases that users
ıted memory multiprocessors. It will also work on a distributed network of shared memory mut
compilers. The semantic specification can also be used for automating verification of programs.
is the simplicity of its interface. To identify the content of interest on a Web page, The user highli
L) to support modeling of multi-agent systems (MAS), 2) tools for verification, testing & code gen

al is to understand what factors control how fast the enzyme makas its toxic product. This produc
d in general employ a ligand for the heme iron at the 24-carbon of cholesterol. More complex s

entists designing new molecular switches and new regio- and stereo-selective catalysts. An exam

ne response time of the pattern to changes in ì the IMF, the morphology and evolution of the convection

that is not covered in large databases like WordNet; and (b) inferential mechanisms. The pragmat

on the campus and in its student housing through the use of wireless network technology. Stude
ND THE APPROPRIATE WAYS TO USE CHEMICAL INFORM- ATION AND THE OTHER HAZARDC
EV- ELOPING TRAINING MATERIALS BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, A

ntives in a principal-agent setting. The third investigates the problem of data catastrophes. The f

n the ion density (delta ni) along the spacecraft ì path down to a scale size of 10m, the ion and electron
4,601 per system. In turn, participating ì universities agree to purchase site equipment. UTD will be ì r
an assessment of the effects of mesoscale structure in the charged particle velocity. This structur
ıely competent young design and development engineers, provide the core capability for producing
data records (EDR) derived from the sensor. The proposed hardware will be designed, fabricated,

ı new feature is the emission of energized electrons from the magnetopause, often peaking at seve

nissions requiring travel times of several months or more, ì such as on a trip to Mars. One possible rem
ative to chemical based ì upper stages and (b) returning a satellite to Earth,thus ì minimizing orbital del
provide for affordable, reliable, and safe access to space by (a) utilizing the electrodynamic tether
ght to be suitable for use on a lander or rover on the surface of Mars, or the moon or an asteroid. I
se topics is the volatile inventory and its evolution through time, and in particular the distribution,
The program is a joint effort between the Univers- ity of Texas at Dallas (UTD) and Texas Christia
s (carbon, oxygen, nitrogen and hydrogen) will be determined. When the mass spectrometer is n
e program is a joint effort betweeen the University of Texas at Dallas (UTD) and Texas Christian U
echnological control processes. Static mass spectrometers to a large extent meet the requiremen
.PROVIDE GORUND TRUTH FOR ODYSSEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WA
PERATIONS DEFINED IN THIS SOW.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRC

g related violene and ì drug related corruption will also be examined. This study ì combines quantitati

forst, and 5) more and better library ì resources to support the same.
ınderstand how agonist-induced ì calcium oscillations can control gene expression in cells. The ì next t
l how ischemic ì regions of the heart affect the ability of the heart to pump ì blood. To this end, we are
velop a framework to understand the control of gene expression in this specific case. The methodc
earch indicts the suburbs, it does ì not examine them closely. Little is known about the changes ì taking
uations that measure the effect of ì economic inequlity and economic segregation on outcomes such as
etropolitan areas and the general trends in racial and economic segregation. This research has im
n SCHIP or Medicaid eligibility expansion programs authorized by this legislation. Analyses of the

udies of Stroop (semantic) interference. The ì logic of the proposed studies is that important informatior
derstanding of the effects of childhood hearing impairment on speech perception. Thus the long te
not get registered in semantic memory and phonological memory. This results in 1) less rich sema
ortant role in the acquisition of words, particularly for phonological knowledge. The proposed rese
idth to users on demand; 3) ì Reconfiguration strategies which enable networks to dynamically ì adapt
packet-switched networking. The research plan will focus on the design and analysis of optical pa
ecific objectives of the research project will be to 1) investigate protocols for resolving contention a

nd Hid targets. The structure and ì binding properties of Op-IAP mutants will be compared with ì wildtyp
project aims to determine how the structure of the ì second BIR (BIR2) of the baculovirus Op-IAP spec
ıpting crystallization of Grim for x-ray ì structure determination. We have also expressed and purified a ì
he organism. This study focuses on the IAP protein Op-IAP from the baculovirus Orgyia pseudots
sidue BIR motif. These BIRs can bind and inhibit apoptotic caspase proteases. In some Drosophil
sidue BIR motif. These BIRs also bind the apoptosis-stimulating Reaper, Grim, and Hid proteins, le
ns which bind the Reaper, Grim, and Hid stimulators. The goals are to define the molecular deter
efine the residues and binding affinity involved using NMR, site-directed mutagenesis, and quantit
probe the basis for BIR1 function, we will compare the stimulator binding affinity of a DIAP1 BIR2 f
IAP-bound caspases binding to individual BIR (baculovirus IAP repeat) domains found in IAPs. In
s that bind to BIR (baculovirus IAP repeat) domains found in 1-3 copies in IAPs. This proposal use
riate apop- tosis also appears to occur. The IAP (Inhibitor of Apoptosis) proteins are found in all a
biochemical function. This will aid the development of new strategies to therapeutically target the
omic absorption specrtroscopies. Specific Aim 2 directly tests if stimulators allosterically activa
absorption spectroscopies. Since BIR1 can control IAP specificity, understanding BIR1 function will

IAP PROTEINS ARE MAJOR APOPTOSIS REGULATORS AND FUNCTION BY BINDING AND INH

Ve envision a program that would serve ì three categories of early career scholars: post-doctoral fellows
drive the system toward ì improvement. The unifying theme of this research is the ì development of em
n elementary and secondary education, high school graduation, and college attendance and com
ween 1990-2002, for more than 500,000 public school teachers and staff, and for more than 4.5 m

ving specific syndromes of phonetic disintegration, ì including apraxia of speech (AOS) and oral apraxia

s will be developed: 1) image preprocessing to ì remove noise and artifacts, 2) extraction of various imag

vhich is to be deployed at UT MD Anderson Cancer Center. More specifically, the following image
and tested:(a) string curve matching, (b) affine moment invariant matching, (c) point-set and line
platform will be examined to find out at what frame rate human motion in the scene can be detect

ps among six universities, two in Canada (The ì University of Alberta and Simon Fraser University), two
a broad range of 40 to 50 young women to ì gain personal growth, empowerment, and specific leadersl
panics to attending community ì college and making the transition to a four-year institution that ì this pr
women leaders in the 21st ì century. A significant component of the program will be to ì establish resea
rom all socioeconomic ì statuses. This program is designed to encourage and prepare a ì broad range

des between two versions of RDF documents, we propose an effective algorithm, called top-dowr
eve this we propose using a new hierarchical, growing self-organizing tree algorithm (HGSOT), ar

formance data and the proper use of the data for performance improvement efforts. The research
tions of neurons. We will ì exploit the flexibility of auditory stimulus delivery and the ì detail of extracell
unction, nor what aspects of behavioral therapy are most important for effective treatment. We wil
mplex stimuli. In several species, neural filters are precisely tuned for specific spectral and tempor
n enriched environment strengthen cortical circuits, to document how daily behavioral training imp
cond aim is to determine whether increasing the rate of cortical processing will improve the ability t
ument the distributed coritcal response to exaggerated speech sounds used to treat language lea

ved as a series of dialogues - of ì composers with traditions, performers with compositions, and ì audie

act with scientists and each ì other to collect data from virtual field trips. This program is ì designed to p
ques to integrate RF MEMS onto foundry-fabricated circuits, (3) Development of an on-chip packa
allow the integration of polymer/metallic high aspect ratio microstructures directly on circuits conta
of 3-D fabrication of self-assembly . This new approach incorporates two fundamental fabrication
completely does away with the solid switch dielectric and its resulting charging, implementation of a
prehensive device characterization by both structural and optical characterization techniques. Th

L 9,866 JUVENILE REFERRALS IN DALLAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEM

structure and dynamics; however, ì nearly all of what is known about these defects in DNA structure ì
hange, by cryo- and ì conventional electronmicroscopy. Cryomicroscopy of tilted ì specimens will be u
xtent of local bending and the bending rigidity of these structures as a function of supercoiling will b
about ten times larger than the sizes of overhangs in lower eukaryotes. Recent reports indicate th

ì robust solution to an important component of an autonomous air ì vehicle.

cording to different W and L regions, analog designs still have to generate certain amount of accur
graduate studies. Students may be enrolled in MS or Ph.D. programs, and the mix will be mutuall
n of the equalized signal with the desired spectrum in several different frequency bands. Software
information through on-chip preprocessor, so that the information to be transmitted over the band

as project responsibility is to perform the analysis of the TSMP data to address GED research

posed in this project, which are able to deal with colored noise, have been shown to provide sign

ual perception & cognition of space, action & forms, & to memory; and the connections & interacti
ng projections arise from the cortical areas in the same hemisphere which is placed higher in the h
nakes to the perception and cognition of motion. After training on the motion related tasks, the su

e month of age, and comparison data will be collected from intact cats and cats that have incurred
ective cognitive tasks, except for the cognitive component. 2) The delayed match-to- sample (DMS
ucleus (LGN) prior to transmitting signals to striate and extrastriate cortices. In contrast, in the mi
ons. Elucidation of the cerebral networks underlying delayed match-to-sample (DMS) discriminati

OWEVER, INTELLECTIAL IMPARIMENTS HAVE BEEN OBSERVED IN CHILDREN WITH AVERAC
anish- and English-exposed children. In ì what situations do most children do well at learning both Engli
Habilidades Comunicativas: Palabras y Gestos and Palabras y Enunciados. As part of the next pl
eous bilingualism. In collaboration with American Institutes for Research, this project will conduct a

of seismic data over gas hydrate deposits, from single- to multi-channel seismic data and to go be
ial use of gas hydrate as an energy source, they are a factor in global climate change, and because

Once he has those skills, he ì will work as part of a team on one of the diagnostics systems ì which is

will find ready application within Dow Chemical Company, Freeport, Texas and other Texas chemic
AL DESCRIBES THE DEVELOPMENT OF (PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USE
SS OF PRIMARY YIELD, FORMATION OF EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/C

e of the research is circumscribed as follows: 1) Identify specific manufacturing industries for th
e: (a) The definition of a novel encoding scheme for document terms, such that they are represen

sponse repartee in real time. In addition it enjoys the competitive advantage of being the only sucl

and this information is passed ì first to RNA and then to protein by the continous synthesis of ì these
origin, and (2) to determine the biochemical mechanism of nucleotide insertion and the way in whi

ustness and self-adaptability in diverse wireless channel environments; and training symbol desig
ROVED FREQUENCY SYNCHRONIZATION, COMBINED APPROACH OF TIMING SYNCHRONI

m amount of previous data for each site, and (3) minimize the amount of routine data that is usual
nost of the 500-meter depth interval below the sea floor. Co-generation of such high concentratio
o some previously identified concepts, and build consistent ontologies and knowledge bases from
le resource for the computational linguistics community. In this proposal, semantic relations are t
HE AUTOMATIC DISCOVERY OF SEMANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROI
ghter Program participants from Thomas J. Rusk Middle ì School on the Mother-Daughter Program dat
This project will deliver the Earth ì Science Enterprise (ESE) On-Line Course as a premier component o

a spatial dispersion of harmful ì externalities. The recent availability of geo-referenced data and ì spati
alysis allows us to ì address several key policy questions, including: what are the ì best empirical meas
We will assess the methodological ì tradeoffs from the explicit incorporation of space-time ì dependen

Universidad de Panams (UP). Our training initiative will begin the process of establishing a commu

es at the forefront of structural and cell ì biology and materials chemistry. Combining the TEM and ESE
commercially available polymers and novel polymer matrices. These polymers have good film forming
cyanine. STM images and scanning tunneling spectroscopy (STS) spectra will be acquired from I

estigations in the classroom, laboratory, and field. Teacher teams will develop focused modules t

g separate descriptions via different antennas. We plan to develop space-time codes that send no
ction (UEP), error concealment, robust packetization, multiple description coding, each with various
goal within existing limits for bit rate and channel bandwidth, while imposing few -if any- additiona
er and yield the simplest possible decoder. This component includes both independent as well as

ng of the interconnect for experimentation and tuning of the signal integrity model. Task 2 deals

cells, are assigned to detect noise and skew violations (integrity loss) occurring on the interconnec
nplement the TIC for several practical SoCs using FPGA tools. Our novel test methodology closes
etector (SD) cells, are designed to detect noise and skew violations occurring on the interconnects

esponse data can be analysed using system theoretic tools. Methods will be developed that are als
ole preparation methodology. The study will investigate new methods and approaches to various p

single molecules can be localized. 2.) to investigate existing algorithms and to develop novel alg

pace" models based on principal components analysis (PCA). The PCA model represents the informa
d in face spaces specified according to our alternative hypotheses, to create more distinctive facial
line data for human recognition with different presentation types. The second series of experiments wi

onstration, "supporting data and process description for creating and stabilizing a carbon based fe

igate how important contexts contribute to trajectories of development from birth through middle cl

on, the ecological model that has guided this study since its inception is extended to include new c
interactions collected in 2006 (Wave I) and 2007 (Wave II). As the Co-Investigator on the Relation

uent device applications will lead to a new generation in medical sensing. In proposal for the Welc
lls- with a desirable (or undesirable) ì quality - from a larger, heterogeneous cell population has ì wides

to characterize these surfaces. We also propose a comprehensive investigation of nonspecific bindi

ne student with ì excellent academic standing. In addition, the student will have ì to have sufficient bacl
to be a full time student with excellent academic standing. In addition, the student will have to hav
to be a full time student with excellent academic standing. In addition, the student will have to l
ill have to be a full ì time student with excellent academic standing. In addition, the ì student will have t
nected to the Turkish and Mediterranean ì ophiolites. Curiously, in Spite of its strategic location, the ì l

eer skills course beginning Fall 2003. The School of Social Sciences fully expects faculty once th

path) between them changes with time. The PI will investigate the spatial-temporal relationship
y limitations of wireless links resulting from a) multiple access interference and b) multipath fading.
erant communications for mobile nodes that also communicate with the fixed, wired network infras

egion extending a few tens of degrees to several hundred degrees C above the solidus. These data
ermined with an electron microprobe. The study would include analysis and parametrization of all

t GIS data formats, and will design the algorithms to transmit geospatial information over the Inter

of algorithms for a number of important NP-hard optimization problems in graphs is the principal fo

gating them the PI ì will develop courses on related material and train both graduate ì and undergradu
nsue from the project will be well received. The project contains both mathematically precise prol
on constructive factorizations of unitary matrices, reachable set determination for open quantum

ogen-limited growth and for the removal of ì excess nitrogen when cells use amino acids as carbon sou
the P.aeruginosa genome sequence ì revealed three aconitase-encoding genes. Disruption of two of ì
e catabolic operons, and three arginine transport operons. We will then examine growth in situatio

zation of the purified proteins. The third objective is to test the proposed functions of the two path
·ogen limitation, which is a common environmental stress . Several such genes are uncharacteriz

coordinate with neighboring law ì enforcement agencies and the judicial system in assisting female ì v
would be able to work closer with, the North Texas Joint Terrorism Task Force. We would - develop a

) to provide parents of infants ì newly diagnosed with information on early intervention and ì educationa

le Food and Drug Administration ("FDA") regulations, and in accordance with the Protocol, without
are available to them; 2) to educate early childhoood intervention (ECI) personnel on treatment op

ent will have to be a full ì time student with excellent academic standing. In addition, the ì student will h
ull time student with ì excellent academic standing. In addition, the student will have ì to have sufficien

ansmitter-receiver design for multiple antenna systems and multipath channels, we identify constr
es the use of efficient adaptive receivers and transmitters in wireless systems. We will minimize th
nsmitter-receiver design for multiple antenna systems and multipath channels, we identify constrai
nsmitted power of the system subject to signal-to-interference ratio (SIR) based on quality of servi
k on joint transmitter-receiver design for multiple antenna systems and multipath channels, we ide

much worse in the near future, with the ì increase in the amount of video and image data that will be ma
on is much smaller than the number of data attributes. Applications are in data visualization, orga
wo related issues in the design of a browser for visual content: content-based indexing and the hu

e. This participation can take a variety of forms, including voting, using information about disability

urban and regional development, and geography. Outline of specific activities: Teams from the two
E SPENDING ON LOBBYING, PAC CONTRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION

inging the depth-based approach to a definitive degree of completion. Conceptual perspectives a

same function. Once retimed, the acyclic part of the DFG may be scheduled to derive an optimal
tances. However, separating memory instances from random logic might introduce overhead in c

nisticated applications such as adaptive fuzzy logic controller, robot navigation systems, real-time v

ng various design criteria. Through investigating the relat- ionships among time, memory, code siz

laxivity 20 to 30-fold. Based upon recent success in our laboratory and others, we now understand
nical application.
this is detected as an increase in MRI intensity. This approach may not prove practical because t
liary metabolism in vivo. The long-term goal is to better understand the factors that control citric a
gnostically useful indices; (2) establish proof of feasibility of developing CA containing Eu3+, Pr3+,
l use two boronic acid functionalities positioned trans- to one another over an already slowly ex
nded peptides that could form a compact folded structure above a Ln3+-bound water molecule. T
EXCHANGE SITUATION TRANSFER(CEST) MACHANISM SO WE CALL OUT NEW AGENTS, PA

s of redox-active macrocycles called the "Wurster's crowns". This grant includes and extends this

re developed as models for the zinc-containing enzyme carbonic anhydrase. They will consist of

and (3) design strategies and policies that ì target self-sustained economic development and enhance q
y proposed models for spatial economy; and 3) ì application of quantitative techniques and methods for
solving such problems; (3) creation of an ì expandable, efficient, and available software solution for SD
. It establishes a relationship between the growth of telecommunications and information services
s made on the use of Geographic Information System (GIS) and applicable techniques of spatial d
a methodology that would combine classical regional economic analysis and advances in spatial a

s within each group, both focused on ì either minimizing or maximizing some measure of effectiveness.
ice measures including the ì minimization of makespan, mean flow time, and weighted tardiness ì have
imization problems. The investigators' will transfer the research findings, covering two different pr
Minicircle recombination products are derived from plasmid DNAs by a recombinase-mediated de
tion. In contrast, abnormal telomere processing is a hallmark of nearly all tumor cells and occurs th
of 10-60 km? If sequential melting as ì mantle moves into the subarc wedge is important, does it produ
will have to be a full time student with ì excellent academic standing. In addition, the student will have ì
ence and increase the awareness of other students. The UTD course will be designed as an inter

WILL ATTEND AN ANNUAL MEETING IN WASHINGTON D.C. FOR PROJECT PLANNING PURPO

ytheon's Cognitive Softstate Approach to Dynamic Spectrum Utilization Development contract wit

behavior and hippocampal physiology of rats learning either spatial or cued maze tasks. Behav

the analysis of the data ì obtained, in the second and third year of the proposed study.
ticle fluxes that come into the atmosphere and affect its electrical conductivity. The consequent cl
whether any improvements over our use of image charge theory can be made by utilizing the ex

onal imaging techniques to neurosciences. This program will produce a much-needed cadre of y

success of ì portals and of other large information repositories on the ì Internet. Our research will consi
alysis, network traffic monitoring, data ì mining, security and real-time decision support. 2. The desig

to develop a wideband software radio testbed with a basestation and mobiles. The testbed will h
nique that combines transmit beam diversity and space-time codes for SDMA communications, th

ng schemes and their use in the following settings: solution of SAT/MINSAT problems, solution of
umber of spatially distributed sensors, each of which is assumed to sense and record environment

ate in the wireless links and mobile device battery power state that are critical to the interacting m
made, either in the worst-case analysis or in the experimental analysis. Finally we will fine-tune t
provable worst-case performances. This will be the primary focus of this proposed research. F
- Evolutionary Game Theory for Distributed Resource Utilization: Sensor resource allocation and

estigations of aggression ì focussed on forms of behavior that are more common among boys and ì s
tigation will examine how ì frequently children engage in and experience these behaviors and ì explor
gage in and experience these behaviors and explore whether and when gender differences emerg

eveloped using a combination of qualitative research techniques, such as interviews, and quantitat

ING THE HARDWARE, BUILDING THE WEB LECTURE SYSTEM AND DEMONSTRATING ITS W

onsibility for managing the project ì and resources received through the grant. With assistance from ì F
team of the Yupiit School ì District. (2) UTD will assist with the training of tutors and evaluation of ì a
ed with the management team of the West ì Carrollton School District; (2) The UTD Reading One-to-Or

cess to library resources both in-house and remotely for our patrons by acquiring a module of our

using the modem developed by us.
pled entities: the normal parallel operations (arithmetic, load/store, logical, and control transfer, etc
CURRENT SOLUTIONS FOR BANDWIDTH ALLOCATION AND ME TERING ARE EXPENSIVE
UCE THE NUMBER OF DEVICES WE HAVE TO SPEED UP THE IMPLEMENTATION OF FUNC
2) Develop techniques and design sensors for measurement and ì analysis of electrical and/or mecha
ull verification.
to continue to work on researching, defining and implementing the responsibilities of a Service
ING MATERIALS IS THROUGH COURSE MODULES. EACH MODULE CENTRES ON A TESTING

ng Quality Enhancement Program at the ì University of Texas at Dallas provides a two-day TA Orientat
optimization, pattern discovery, and machine learning can be readily applied to new understanding

A base changes that are ì produced by adaptive mutagenesis in the Bacillus subtilis model ì system.

th the students on the research project to ì help develop the endopeptidase lysostaphin into a prophylac
neeting devoted to this subject area and is often where new "emerging" genetic systems as well as

model system will be utilized to determine whether or not transcriptional mutagenesis is occurring
existing ECRC programs and extend the ì utilization of the resources provided by the organization. The
be is quite different from oxygen interaction with conventional bulky forms of carbon. As a result c
gative charge transferred to A-polymer chain), while leaving the other D-component neutral. We w

major issues. The development stages of program construction, debugging, and performance tur
language facilities, such as the compiler and graphical editor, is supported by the underlying grap
n languages with tools that assist the design of XML-like documents and their translations betwee

et/burst classification, burstification, queuing and scheduling algorithms for an edge router. * Cha
putation, fault-tolerance, and implementation aspects of optical interconnection networks. Each de

and analysis; and e) Contribute to graduate education at UT-Dallas and UNC-Charlotte. The c
, and the relationship between wavelet transform annd the existing transforms, such as the Lapla

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

al ì Positioning System (RTK) surveying will be integrated with ì reflectorless laser rangefinders to map

ponses versus the more sensitive NRT procedures. The research ì design to accomplish these aims in

consist of nanoporous molecular sieves that have been templated around novel proton conducting
lated tasks. Task 1: Synthesis of molecular sieves. Task 2: Synthesis of polymeric templates.

and the middleware. The project will expose complex system design that includes hardware and
and the middleware. The project will expose complex system design that includes hardware and
ojects involved in this multi-investigator research will result in fundamental knowledge necessary

he cell modification should add the least overhead compared to the original one while it needs to
works. The nodes in such a network will also be able to ì interface with the fixed network, thus turning th
ed to design high-performance implementations of many of the ì computational kernels in video, audio

nd quality of service (QoS) performance. This ì innovative network architecture is based on the integrat
measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann
ì for Advanced Software Engineering Research (LASER) will focus on ì solving this problem and beco
chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ
d of chemicals to contain/neutralize the chemicals, and (b) public safety organizations such as po

lement previous studies of delta plain channels by focusing on a 3-D study of delta-front sandston

and who go on to graduate training in the STEM disciplines. Our ultimate goal is to increase the
of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

nstruction and improve student learning and achievement in foundational literacy and the use of c

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
ucleophilicity) of this unit is carefully controlled in proteins by the protonation state of the Cys thiol(

vo phases require the support of a research assistant and, ì depending on their outcome, a third phase

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

ì necessitates timely compliance in moving from birth screening to ì follow-up and intervention. Three i

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

pace and time variations associated with changes in the interplanetary medium. These changes i

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

hing skills and competence of content knowledge gained from these new experiences. These tea

one topic. The topics include a) neuroscience, b) cardiac ì dynamics, c) biological oscillators, d) bioin
ne ì topic. The topics include a) neuroscience, b) cardiac dynamics, ì c) biological oscillators, d) bioinfo
y will cover one topic. The topics include a) neuroscience, b)cardiac dynamics, c)biological os

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

equired for instrument operation in a typical ì spacecraft environment.
Explorer (MAX). If selected for Stage II, GSFC would manage the ì Explorer mission and UTD CSS w
resulting instabilities affect the propagation of radio waves. The basic physical principals apply
nown. ì The EFEX mission is designed to redress this problem. By flying ì carefully designed instrumen

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a
can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac
er the network model from these. ì To overcome this scalability bottleneck, we will use the rich ì theory
bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas
nanism, e.g., line switching or path switching. According to ì the DiR concept, each connection in the lay
problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessi

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l
information. Using the results of experiments, ì UT-Dallas shall "fine tune" the aggregation approach fo
er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

ne methodology, thus allowing proper reinforcement of ì skill. A secondary outcome is the involvement
d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a
ploits two ongoing bodies of research by UTD scholars, the UTD Texas Schools Project and resear

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

lgorithms. A low-noise error detection scheme will be studied in terms of communication theory fo

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
omLab Bench using Java programming techniques. V-ComLab Bench will be written as a ì platform

nechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

i to enhance the research capabilities and teaming of the PIs along ì with other investigators in both ac
e of oxygen gas plasma, to functionalize the surfaces in preparation for film coating; 3] Researching
ing. Such an integrated approach is absolutely necessary to achieve the best progress and insigh
the proposed research involves the holistic approach to be taken. The plasma will not simply be

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

change- point models, the change points are treated as random variables whose prior distribution is
sequence of developmental indicators will be targeted to reflect dependence across time and
erformance analysis, mobile ad hoc networks (MANETs) etc., autonomous agents framework, app

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

gauge the quality of the heuristic. 4. Deliver software developed by us, documents (not inc

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

ninimizing orbital debris. The Michigan ì Technic Corporation is the prime contractor to NASA Marshall

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

:a from both the low-altitude DMSP series of spacecraft and the high-altitude POLAR spacecraft. Tl
ısity variation with local time and latitude. This will be a two-year effort involving a Co-I, and systen

the sensor by performing laboratory tests of the instrument using ì a state-of-the-art neutral oxygen bea
season, hemisphere, solar cycle and geomagnetic activity. It is antipicated that such a model w

At smaller scale sizes the plasma flow represents ì essentially a random walk about the bulk flow. It is
le. Thus solar cycle variations can have profound effect on the dynamics of the ionosphere. To unc
ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

operation between libraries. The objective of our proposal is three-fold: - to provide research on c

er to maintain an optical communications link. The ì development work of the first prototype will focus o

the following deficiencies: 1.Generalization to arbitrary d-clustering property: Current ì clustering alg

nputational approaches is necessary to gain an understanding of many biological phenomena. The

Research and Quality, to examine the relationship of the health status of asthmatic children to the
hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

:isting approaches, will be investigated. In addition to evaluating different signaling protocols, this

ıey have been implicated in critical brain functions ì including synaptic plasticity and regulation of neuro
sers. 2. To determine whether speech features modified in the absence of auditory feedback differ i

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

on the data, and also to develop the website for ì distributing the processed data in both numerical and
y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

s available. It is important that information about the new systems be obtained, especially given c
deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog
ıaracterize the nutrient flux within and out of the watershed, correlate documented changes in the
ım ì mixing and water quality. We will enlist URRB high school science ì classes to sytematically collec

substrate of multiple modules - i.e., sensing device(s), Radio Frequency (RF) transmission, MicroW

ì continue its BES involvement on a reduced scale. We will only ì choose to work on select topics of

smaller collaboration like BES provided many hands-on opportunities. For example, building and c
ain network router which connects us vis Internet2 to SLAC. We are in the process of benchmarkin
ve provided BABAR with tag, filter, and selection modules to facilitate this analysis. Prof Joseph M

s parents of children with disabilities at ì all levels and in all activities. The project will provide ì student
ants and toddlers in natural environments, including home, center, health care facilities and high-po

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
egulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

o interfere with or modify the ì tinnitus. We will do this by the use of: 1) certain sounds- for example, s
or modify the tinnitus. We will do this by the use of: i) certain sounds- for example, sounds that can
Cretaceous had been found anywhere in the world! Partial ì excavation revealed individual vertebra e

or implementation in free-space optical channels. In particular, we characterize the performance c

he research is successful, it will not only lead to better ì techniques for atomic/molecular control but also

of reducing linear system order is called linear system ì order reduction. In this project, we shall: a) deve

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... THI

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th
understanding of PBII is developed and it can be tailored to produce the doping profiles fitting d

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

ies by focusing nationwide attention and Agency resources on the most prevalent types of workpla

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.
corporation of DSPs into the senior design project, (2) the development of a course for computer s

The equipment will also be useful to a number of other groups who do research in parallel/ distribu
NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

ation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ri Astrophysical Observatory. The event will take place in Florence in the period Dec 9 - Dec 13,
ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will att
ous' obligations with respect to the Author's contribution, or the Author's and University's contrib
uality as perceived by society. Following are the specific aims: (a) Development of statistical mode

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be
ogram monitoring using logical clocks are, how traditional expert system and decision support techn
sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

tional system might facilitate later recognition of the face. In the second section, we explore whetl
the north; an E-W ì trend parallel to the Gulf of Aden in the east; and a NE-trend, ì parallel to the Main

Texas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin
s or ì weights, so it is critical for the overall network performance ì how the various performance metric
adaptivity, on top of existing MAC protocols. Specifically we ì will research a method, whose roots are in
C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols
< costs, via a special weighted combination of metrics with dynamically adjusted weights. Since
network. (3) Extensive experimentation with a large number of real routing protocols to capture ar
GMPLS will play an important role as a unified control plane. One of the major concerns then be

ent FM devices. Speech recognition abilities of older children that are able to repeat words and/or
using different FM systems. Speech recognition performance will be determined in quiet, noise,
al rehabilitation; (d) participate in the publication process; ì (e) disseminate research and academic mat

lopment over a 12-month period of time. It may be that children who receive very early implantati
icula; (b) knowledge of both regular and ì specialized classroom instructional activities that stimulate ì
al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

s and literatures. Among the major features of the journal have been interviews with well-known tr

ze the application software, the operating system, the hardware, and the interaction between them.
will be provided. 2. A VPL generation framework will be proposed and a generation system w
DSVLs with an expressive power for a large range of applications , from PDA graph transformation
the solution of problems such as routing and network integrity ì (fragmentation). While this body of exis

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit
to be GPS with an appropriate L/S-Band TX/RX package on board.
(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

se tasks from African Americans and Caucasians with and without aphasia. The three specific ain

he precedence constraints and the user's preferences. The project focuses on two core problems:

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
.ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

n risk, interdisciplinary detector and instrument technologies needed for future detectors. Our focus

il companies are our models, and displaying them in various visualization systems for analysis an

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

) or their fragments and oligomers structures and facilitate separation of photoinduced charges and

p- and n-selective doping of organic solar cells, and the concept of p-M-n layered organic structu
pability to charge storage batteries in the field under extreme conditions. The project includes the
no-chips. One of these methods is based on our pioneering concept of a conjugated polymer chain

ect include: (1) Integration of ASTER, RADARSAT and SRTM data for geological mapping in arid re

programming language. He will dedicate 2 days per week over a one year period to this effort. Th

will demonstrate the digital mapping method, assist in the digital mapping of the Ainsa outcrop ar

eptual basis for the separation of a target voice from a competing background voice. The central assun
d. Our preliminary findings indicate a synergistic relationship between formant shifts and fundamer
rom speech production data. There are three important reasons why the perceptual adaptation to
shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

evaluate their potential for the separation of CO2 and N2. The research involves a study of molecul
ditionally, hands on utilization of major research instrumentation such as x-ray diffraction, electron m
s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

es, reflecting their multi-phase behaviour, the mechanism of changing phases, the effects of seaso

on of asymptotically pointwise optimal detection rules, Bayes truncated and Bayes look-ahead

omization requirements, including platform capabilities, operating environment, and non- functional

an be addressed using standard econometric techniques. The data available for this purpose cons
d thereby better understanding petroleum exploration risk. The primary products of this research
emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

this project, we will investigate and realize dynamically reconfigurable architectures for networkir
ad. Besides core teaching material, each course module will be supported by a dynamic web bas
is also wrong. Many modern wave-influenced deltas are asymmetric, ì with better reservoir quality sar
ehavior in a distal foreland basin setting at a resolution not yet achieved in the Western Interior Bas
unctionality already placed in the monolayer and thus a different organic species could be situated

ersed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov
The university/industry team is in place from the onset in order to accelerate demonstration and de
t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ent processing of single and multi- layer resist up to 3-3.5 micro meter, perform appropriate metrolo

ì identification and characterization of the factors that regulate ì the expression of the genes that enco
understanding how the genes that encode ì the subunits of the human mitochondrial ATP synthase con
pathies. These studies will be carried out using established cell lines growing in cell culture.
ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under
er exposure to hypoxia. We have determined that the levels of expression of the nuclear genes tha
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
characterize the trans-acting regulatory factors that mediate the hypoxia-induced down-regulation

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

d therefore on SHRW water right, and of unexploited local source of supply in the alluvial aquifer.
ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

ling proteins have been identified in various insects. ì However, only one receptor molecule, BT-R1 from
he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers
to be ì rather simply inherited. These resistant lines have been used in ì reciprocal crosses with know
ne applications of biomolecule detection chips for monitoring human health and performance. 3.)
trix interactions within susceptible hosts. Clostridium perfringens, another spore-forming gram-po
isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

he creation of a very narrow band filter that ì has a myriad of applications. When used as a spectral sca

keyed or phase-shift-keyed signals over a broad gain spectrum that extends far beyond the erbium

using fiberoptic interconnects. Modeling will be conducted using commercially available software

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

methods and expertise drawn from nationally recognized research ì scientists representing multiple disc
on subsequent cognitive, linguistic, social, academic, and ì behavioral recovery and later development
disease-related aging processes. Our unique treatment program ì utilizes abilities that remain intact to
ì will measure the effects of our interventions on patient's ì function, communication, participation, dep
) to relate deficits of prospective memory and selective learning to measures of school, family, and
on student's learning and the need for academic change * Educates parents of the specific ways t

on of health professionals who provide geriatric care. Goal 4. Provide students with clinical trainin
THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

) students and policy makers. One negotiation simulation will place participants in decision ma

n addition the theoretical aspects of the proposed provisioning protocols, the practical implementati
and broadband networks, we will build an applications support network framework that can be eas

thesized speech), and determine whether correlations exist ì between the lower brainstem ascending ar

and prediction ì of the often severe radio scintillation effects that can ì accompany these structures. W

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
' showed that the electrons have larger cross sections for triggering the decay of spin isomers

theory of induced representations on ì indefinite inner product spaces. The second direction is of a ì m
der this action, the Kolmogorov decomposition of the kernel should give rise to a unitary represent
n, the Kolmogorov decomposition of the kernel should give rise to a unitary representation of the s
e formulated. The recent interest expressed in the mathematical aspects of quantum field theory w
ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie
the north. During such conditions it is thought that the connection between the geospace enviror
l the north. During such conditions it is thought that the connection between the geospace envir
vard the north. During such conditions it is thought that the connection between the geospace

ıs for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

:d ì "systems research approach" to achieve this goal. We will develop ì performance models for sever
computing. These are based on less parametric assumptions than conventional approaches.

ant ì ALF-containing complex is able to stabilize TATA-binding protein ì (TBP)-DNA interactions, and c
use of DNase I and chromatin immunoprecipitation assays to evaluate nucleosomal packaging at th

ons of the security system design. The methodology will have several integrated elements: First, w
ıt. The demethylase will consist of a tetra-thiolate ì zinc-binding active site incorporated into a designed
n, immobilized on a streptavidin-coated surface and used to ì select for phage displaying receptor muta
late ligand varied. The stability of the helical bundle motif will allow us to alter several structural fe
ect orientation to house a protease site. The protease site will be based on the active site of serine
er helical targets. Specific aims are: 1) establish association specificity and affinity between the

protein environment surrounding the metal-binding site. These properties will include electrostati
membrane fusion and infection of target cells. Protein-protein interactions are critical to many cel
that the reactivity profile of a Zn (II)-binding site (i.e. the relative reactivities of the Cys residues th

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to
ì of PKB in the inhibition of apoptosis/maintenance of survival in ì primary cultures of postnatal cerebe
urvival, to determine whether it is also involved in survival ì promotion by HK, cyclic AMP, and lithium, to
into the regulation of Akt. Some preliminary data we have recently generated suggests that Akt mi
hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul
ı of Akt is the result of increased mRNA/protein stability or due to increased gene transcription will l
:ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma
hat is independent of COPI. There are two specific aims in this project focused on characterizing
er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa
ed that protein helices will wrap nanotubes, the second objective of the project is to use amphiphilic

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

untries to discuss key issues. Location should be chosen to maximize representation from develo

ded ì with empirical input data. In addition, LEAD outputs will be ì carefully compared to empirical dens

ur of the proposed effort. The proposed experiment is a 3-year effort involving hardware developm

e ì joined the roster of the Texas Touring Arts Program. This grant ì will provide UTD with financial ass
Festival presenters to do joint concerts. He is a member of the roster of the Texas Touring Arts Pro

ne focus of the project is ì developing standards-based science and mathematics instruction ì through g
ing of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools pro
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea
nt School District. Reading One-to-One master manuals will be available for duplication by Athens
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea

General Studies at UTD as set forth in the above referenced project. (3) Period of Performance:
School of General Studies at UTD as set forth in the above referenced project. (3) The period of
ents written work, assessments, and tutor comments, etc. These records are kept at each school s
re asking for more part-time members. More part-time members allows us to accommodate the ne

ifically, the implementation of the state mandated Member Development and Strengthening Comm

t have been stymied by several shortcomings. An ì important one is that they have not used true randor
s our preliminary findings. Second will be ì one or more formal presentations of these findings to officers
ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina
nt detectors, giving the time profile of the incident ì supernova neutrino flux. The energy dependence of
definitive diagnosis of the black-hole formation. 3) Studies of matter-enhanced neutrino conversion

er-survey (multiyear) absolute gravity ties; 3) Evaluation of new gravity meter technology and "real-tim
ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(
ì is intended to fund continuing involvement in the analysis of all ì the field data from experiments in 19

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

vest Egaps reported to date. We will combine ì these approaches, along with our expertise in elucidatin
emic standing. In addition, the student will have ì to have sufficient background to be able to perform wo

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI
acilitate industrial and university R&D in solar cells/OLEDs, thermoelectrochemical cells, thermoio
ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

›here/ ionosphere/electrodynamic general circulation model (TIEGCM) to tackle this problem. Tl
·vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper
However, some companies still favor mesh ì restroration as they believe that such a restoration is more
ì Continous phase modulation (CPM) will be considered for the ì transmission of turbo coded digits. Cl
de. The ì effect of these changes is to reverse the direction of the ì electric field in the oxide, so that o›

:abrication of new MEMS devices. A major focus of these efforts is related to improve and optimize

and, 4) group language intervention (GLI). Each child will ì be randomized to one of the four interventic
ovided to children with disabilities. This study proposes a ì 4-year randomized clinical trial to compare t

Layer and dynamically determines its optimal configuration. A network testbed with at least 6 nc
path protection. (2) Restoration: investigation of distributed restoration schemes especially from

lem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (Callier Center for Communication Diso
le to the patient. ABR data will also be collected. The results of the proposed work will contribute

:ONICS. THE SENSING COMPONENT WILL BE BIMOLECULAR ENGG

will address two issues: 1) Develop a model of the plasma sheath during the PLAD ì implantation pr

use ì prior knowledge and strategies for making sense of the ì information. The goal of this research i
nd diagnostic information for use by teachers and students in the service of improving classroom ir
ne following topics will be covered in the first workshop: Bayesian Models of Human Concept Lear

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu
ider the possibility that many eukaryotic hosts could be capable of interfering with the quorum ser
molecular prerequisites necessary for the function of these ì oligosaccharides signals. The diversit
s). Furthermore, we have demonstrated that these plant-produced AHL-mimics alter the pattern o
polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

ics technology of isotope coded affinity tags and LC-MS/MS. We will then determine the role of sp
s E2 activity (Aim 2). Finally, utilizing mutagenesis experiments, we will identify the E2 and E3

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ce a week. In these meetings, she ì will join the training that the research assistants receive on an ì on
ssions and analyses during the team meetings. While being trained in advanced coding and analy
ences and which allows the g5p to bind to those sequences ì that it prefers. These sequences are then
ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
tion efficiencies can differ greatly in their specific biological effectiveness. Some of the difference
binding of such proteins to various types of DNA molecules.
these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

eresting insights into designing schedulers for parallel logic programming systems. Both tas
:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio
ms written in this domain specific language. Complete development infrastructure for this domain
webbases to create VoiceXML-based webbases that users can interact with through speech interface
so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
can also be used for automating verification of programs. In our approach the formal semantics
ntify the content of interest on a Web page, The user highlights that content on the web browser.
systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

w fast the enzyme makas its toxic product. This product should indirectly regulate amyloid plaque
ne iron at the 24-carbon of cholesterol. More complex structures are proposed that minimally per

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

s in ì the IMF, the morphology and evolution of the convection patterns ì as a function of the IMF, and t

ike WordNet; and (b) inferential mechanisms. The pragmatic knowledge has an important role in

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

third investigates the problem of data catastrophes. The fourth deals with freeware distribution fo

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of
universities agree to purchase site equipment. UTD will be ì responsible for providing installation, opera
cale structure in the charged particle velocity. This structure has been shown to be an important c
ment engineers, provide the core capability for producing the instrumentation. In addition to the
sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

nonths or more, ì such as on a trip to Mars. One possible remedy for this situation ì is to use a spent bo
nd (b) returning a satellite to Earth,thus ì minimizing orbital debris. The STEP-AIRSEDS (SA) mission w
e access to space by (a) utilizing the electrodynamic tether as an alternative to chemical based up
ver on the surface of Mars, or the moon or an asteroid. It could also be used in a sample return
s evolution through time, and in particular the distribution, abundance and behavior of water. Majo
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our
gen) will be determined. When the mass spectrometer is not being used to analyze the effluents fr
University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

ption will also be examined. This study ì combines quantitative analysis with historical analysis of the ì

ı oscillations can control gene expression in cells. The ì next thrust of computational and mathematical
ct the ability of the heart to pump ì blood. To this end, we are performing numerical experiments and ì
ol of gene expression in this specific case. The methodology used and refined here will be applied
amine them closely. Little is known about the changes ì taking place in suburbs just outside the central
omic inequlity and economic segregation on outcomes such as: ì (1) Percent of girls aged 15 to 19 years
racial and economic segregation. This research has important policy implications in view of the
ion programs authorized by this legislation. Analyses of the impact of this policy initiative are nee

he ì logic of the proposed studies is that important information about ì the mental representations and
aring impairment on speech perception. Thus the long term objective of our project of research is t
d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
articularly for phonological knowledge. The proposed research will apply a picture-word task usir
ation strategies which enable networks to dynamically ì adapt to changes in traffic; 4) Control schemes
ı plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

g properties of Op-IAP mutants will be compared with ì wildtype (normal) Op-IAP to gain structural insig
ıre of the ì second BIR (BIR2) of the baculovirus Op-IAP specifies binding and ì inhibition of Reaper, G
ucture determination. We have also expressed and purified a ì fragment of the apoptosis-stimulating Hi
e IAP protein Op-IAP from the baculovirus Orgyia pseudotsugata. The structural studies in this p
and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s
Hid stimulators. The goals are to define the molecular determinants for BIR-stimulator recognition,
involved using NMR, site-directed mutagenesis, and quantitive fluorescence-based protein-binding
compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea
eat) domains found in 1-3 copies in IAPs. This proposal uses biochemical and biophysical methods
The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly bind and inhibit cas
development of new strategies to therapeutically target these proteins in order to suppress inapp
ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
ın control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

IS REGULATORS AND FUNCTION BY BINDING AND INHIBITING CASPASE PROTEASES.SE

three categories of early career scholars: post-doctoral fellows ì (new PhD's that do not hold a regular
The unifying theme of this research is the ì development of empirical evidence about school choices by
ı, high school graduation, and college attendance and completion. The additional time and fundir
00 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

egration, ì including apraxia of speech (AOS) and oral apraxia (OA). Seven ì experiments will test the h

g to ì remove noise and artifacts, 2) extraction of various image ì features, 3) feature selection to ident

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,
affine moment invariant matching, (c) point-set and line invariant matching, and (d) geometry r
what frame rate human motion in the scene can be detected for further identification purposes.

(The ì University of Alberta and Simon Fraser University), two in the ì United States (The University of
ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica
nd making the transition to a four-year institution that ì this project addresses are: (1) monetary difficulti
ɡnificant component of the program will be to ì establish research internships and practicums linking the
ogram is designed to encourage and prepare a ì broad range of 40 to 50 young women to gain persona

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do
cal, growing self-organizing tree algorithm (HGSOT), and a modified self-organizing tree (MSOT)

data for performance improvement efforts. The research will also lead to the development and
ibility of auditory stimulus delivery and the ì detail of extracellular mapping techniques to quantify ì exp
therapy are most important for effective treatment. We will investigate the consequences of soci
al filters are precisely tuned for specific spectral and temporal features of behaviorally important v
l circuits, to document how daily behavioral training improves cortical processing, to determine
asing the rate of cortical processing will improve the ability to respond to time-varying information.
to exaggerated speech sounds used to treat language learning impairments in children. The thir

sers with traditions, performers with compositions, and ì audiences with performances. The festival is a

ect data from virtual field trips. This program is ì designed to provide a perpetual supply of high-quality e
ry-fabricated circuits, (3) Development of an on-chip packaging architecture for highly integrated tr
c high aspect ratio microstructures directly on circuits containing substrates and/or chips. 3. De
is new approach incorporates two fundamental fabrication techniques in a complementary manner
itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

ly all of what is known about these defects in DNA structure ì is based on studies that have been carrie
onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore
rolled in MS or Ph.D. programs, and the mix will be mutually agreed upon by TI and UTD.
ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatl

ıe analysis of the TSMP data to address GED research questions. This includes creating a data s

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

tion & forms, & to memory; and the connections & interactions among OP & OT network compone
eas in the same hemisphere which is placed higher in the hierarchy. Virtually every region of the v
ɔf motion. After training on the motion related tasks, the superior colliculus will be deactivated with

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ıgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks c
als to striate and extrastriate cortices. In contrast, in the midbrain pathway, visual signals arising f
ˈks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND
what situations do most children do well at learning both English ì and Spanish? In this project, we see
/ Gestos and Palabras y Enunciados. As part of the next phase of development of the CDI Scoring
American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to
rce, they are a factor in global climate change, and because the presence of gas hydrate distorts i

s part of a team on one of the diagnostics systems ì which is currently under development. It is likely th

emical Company, Freeport, Texas and other Texas chemical process industry companies.
(PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF
EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business perform
g scheme for document terms, such that they are representationally similar with related concepts.

n it enjoys the competitive advantage of being the only such product that is capable of understanc

RNA and then to protein by the continous synthesis of ì these molecules on linear templates. In mitocho
al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

e, and (3) minimize the amount of routine data that is usually acquired at new drilling sites in orde
low the sea floor. Co-generation of such high concentrations of these gases in marine sediments
d build consistent ontologies and knowledge bases from unstructured documents. The technical cl
istics community. In this proposal, semantic relations are the underlying relations between two c
ANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

ties. The recent availability of geo-referenced data and ì spatial analytic tools like spatial econometrics,
olicy questions, including: what are the ì best empirical measures for air pollution concentrations; what
eoffs from the explicit incorporation of space-time ì dependence in traditional air pollution "concentratio

initiative will begin the process of establishing a community of "spatially enabled" planners, poli

biology and materials chemistry. Combining the TEM and ESEM into ì one facility will enhance encount
l polymer matrices. These polymers have good film forming capabilities and previous results of PS
nneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sin

and field. Teacher teams will develop focused modules that address specific challenges to their

ennas. We plan to develop space-time codes that send non-identical information through their div
packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
ɔder. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

skew violations (integrity loss) occurring on the interconnects of high-speed SoCs. These cells mo
SoCs using FPGA tools. Our novel test methodology closes the frequency gap between ATE and c
ct noise and skew violations occurring on the interconnects of high-speed SoCs. Furthermore, a c

em theoretic tools. Methods will be developed that are also applicable to data sets that arise from
vill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single mo

ents ì analysis (PCA). The PCA model represents the information in ì individual faces by extracting fea
our alternative hypotheses, to create more ì distinctive facial stimuli. The effectiveness of these ì mani
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

e to trajectories of development from birth through middle childhood within the broader social ecol

d this study since its inception is extended to include new contexts associated with adolescent de
nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

generation in medical sensing. In proposal for the Welch Foundation we intend to attach chemica
ality - from a larger, heterogeneous cell population has ì widespread applications in clinical chemistry. W

propose a comprehensive investigation of nonspecific binding interactions on glass surface based

ding. In addition, the student will have ì to have sufficient background to be able to perform work for JC
academic standing. In addition, the student will have to have sufficient background to be able to perf
academic standing. In addition, the student will have to have sufficient background to be able to p
cellent academic standing. In addition, the ì student will have to have sufficient background to be able to
ophiolites. Curiously, in Spite of its strategic location, the ì Khoy Ophiolite has been totally ignored by

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepr

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

o several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

algorithms to transmit geospatial information over the Internet through wireless communication.

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

on related material and train both graduate ì and undergraduate students. If the research is successful
ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory
vealed three aconitase-encoding genes. Disruption of two of ì these genes significantly impaired the syr
transport operons. We will then examine growth in situations that require arginine or putrescine. I

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female ì victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

gnosed with information on early intervention and ì educational resources; 3) to provide parents with inf

regulations, and in accordance with the Protocol, without changes, except as agreed to and approv
rly childhoood intervention (ECI) personnel on treatment options; 3) to educate pediatricians on tr

n excellent academic standing. In addition, the ì student will have to have sufficient background to be ab
: standing. In addition, the student will have ì to have sufficient background to be able to perform work fo

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

increase in the amount of video and image data that will be made ì available online. A key observation i
data attributes. Applications are in data visualization, organization and indexing of databases, eff
owser for visual content: content-based indexing and the human-computer interaction. Current res

forms, including voting, using information about disability issues to evaluate candidates, running

ography. Outline of specific activities: Teams from the two universities will visit their counterparts'
TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

definitive degree of completion. Conceptual perspectives and criteria will be applied, needed clar

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

fuzzy logic controller, robot navigation systems, real-time video conference, etc., a representation

estigating the relat- ionships among time, memory, code size and power consumption, we can der

it success in our laboratory and others, we now understand the basic chemistry and physics of gad

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd
sitioned trans- to one another over an already slowly exchanging Ln3+ -bound water molecule. U
act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

ì target self-sustained economic development and enhance quality of ì life in rural counties. The res
nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet
ì expandable, efficient, and available software solution for SDA. ì The key feature of the project is that
the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at
ssical regional economic analysis and advances in spatial analysis for the purposes of identificatic

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
of makespan, mean flow time, and weighted tardiness ì have been considered in order for the produce
will transfer the research findings, covering two different problem domains (electronics and hardw
derived from plasmid DNAs by a recombinase-mediated deletion reaction carried out on molecule
ocessing is a hallmark of nearly all tumor cells and occurs through the processive addition of telom
antle moves into the subarc wedge is important, does it produce ì a more homogeneous and depleted
cellent academic standing. In addition, the student will have ì to have sufficient background to be able t
her students. The UTD course will be designed as an interdisciplinary exploration of several exar

IN WASHINGTON D.C. FOR PROJECT PLANNING PURPOSES

n to Dynamic Spectrum Utilization Development contract with the Defense Advanced Research Ag

f rats learning either spatial or cued maze tasks. Behavioral measures of acquisition and retentio

e and affect its electrical conductivity. The consequent changes in electrical currents into cloud
of image charge theory can be made by utilizing the exact expressions for electrical forces betwe

. This program will produce a much-needed cadre of young researchers to enhance our understa

ormation repositories on the ì Internet. Our research will consider the following problems: 1) Develop
ining, security and real-time decision support. 2. The design of fully scalable layout methods for use c

testbed with a basestation and mobiles. The testbed will have three key capabilities: (1) wide-ba
versity and space-time codes for SDMA communications, the downlink weight vector design to opti

settings: solution of SAT/MINSAT problems, solution of problems at the second level of the poly
each of which is assumed to sense and record environmental events of a particular type. In this co

vice battery power state that are critical to the interacting modules. This interaction and global pers
s or in the experimental analysis. Finally we will fine-tune these heuristics for the target applicatio
This will be the primary focus of this proposed research. Following this, as part of a post-grant res
outed Resource Utilization: Sensor resource allocation and utilization is implictly distributed in nat

orms of behavior that are more common among boys and ì social contexts where boys behavior are mo
ldren engage in and experience these behaviors and ì explore whether and when gender differences er
nd explore whether and when gender differences emerge, using multiple methods to measure soc

ıtive research techniques, such as interviews, and quantitative research in the field testing phase.

WEB LECTURE SYSTEM AND DEMONSTRATING ITS WORKING CAPABILITY.IN ADDI- TION,

esources received through the grant. With assistance from ì Reading One-to-One and Dallas Reads, th
UTD will assist with the training of tutors and evaluation of ì all levels of staff for the Yupiit School Distri
t ì Carrollton School District; (2) The UTD Reading One-to-One ì Program will assist with the training a

and remotely for our patrons by acquiring a module of our online library system, to manage and i

s (arithmetic, load/store, logical, and control transfer, etc.) and the configuration operations. (2)
VIDTH ALLOCATION AND ME TERING ARE EXPENSIVE IN TERMS OF INFRASTRUCTURE AN
E HAVE TO SPEED UP THE IMPLEMENTATION OF FUNCTIONS SUCH AS FFT, VITERBI CODE
ors for measurement and ì analysis of electrical and/or mechanical signals associated with ì normal an

fining and implementing the responsibilities of a Service Broker and a SIP user agent client (UAC
E MODULES. EACH MODULE CENTRES ON A TESTING THEME ANDCONTAINS MATERIALS

University of Texas at Dallas provides a two-day TA Orientation ì session, a seminar series on such to
ne learning can be readily applied to new understanding of protein tertiary structure and functi

i help develop the endopeptidase lysostaphin into a prophylactic ì agent for the treatment of Staphyloc
often where new "emerging" genetic systems as well as "novel model systems" are first describec

e whether or not transcriptional mutagenesis is occurring. The techniques employed consist of a
utilization of the resources provided by the organization. The ì design objective of the courseware tool
ıction with conventional bulky forms of carbon. As a result of this project we will answer the followir
ain), while leaving the other D-component neutral. We will also synthesize a selective ps-dopant-p

f program construction, debugging, and performance tuning will all be based on one graph formali
ler and graphical editor, is supported by the underlying graph grammars pre-defined before the ge
esign of XML-like documents and their translations between each other. We will develop a set of

euing and scheduling algorithms for an edge router. * Channel reservation, channel scheduling, opt
tation aspects of optical interconnection networks. Each design aspect of hypernetworks has a sp

luate education at UT-Dallas and UNC-Charlotte. The objectives require the expertise over sever
t transform annd the existing transforms, such as the Laplace and z-transforms, 4) the application

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

al ì Positioning System (RTK) surveying will be integrated with ì reflectorless laser rangefinders to map

ponses versus the more sensitive NRT procedures. The research ì design to accomplish these aims in

consist of nanoporous molecular sieves that have been templated around novel proton conducting
lated tasks. Task 1: Synthesis of molecular sieves. Task 2: Synthesis of polymeric templates.

and the middleware. The project will expose complex system design that includes hardware and
and the middleware. The project will expose complex system design that includes hardware and
ojects involved in this multi-investigator research will result in fundamental knowledge necessary

he cell modification should add the least overhead compared to the original one while it needs to
works. The nodes in such a network will also be able to ì interface with the fixed network, thus turning th
ed to design high-performance implementations of many of the ì computational kernels in video, audio

nd quality of service (QoS) performance. This ì innovative network architecture is based on the integrat
measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann
ì for Advanced Software Engineering Research (LASER) will focus on ì solving this problem and beco
chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ
d of chemicals to contain/neutralize the chemicals, and (b) public safety organizations such as po

and who go on to graduate training in the STEM disciplines. Our ultimate goal is to increase the
of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

nstruction and improve student learning and achievement in foundational literacy and the use of c

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
ucleophilicity) of this unit is carefully controlled in proteins by the protonation state of the Cys thiol(

vo phases require the support of a research assistant and, ì depending on their outcome, a third phase

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

ì necessitates timely compliance in moving from birth screening to ì follow-up and intervention. Three i

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

pace and time variations associated with changes in the interplanetary medium. These changes i

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

hing skills and competence of content knowledge gained from these new experiences. These tea

one topic. The topics include a) neuroscience, b) cardiac ì dynamics, c) biological oscillators, d) bioin
ne ì topic. The topics include a) neuroscience, b) cardiac dynamics, ì c) biological oscillators, d) bioinfo
y will cover one topic. The topics include a) neuroscience, b)cardiac dynamics, c)biological os

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

resulting instabilities affect the propagation of radio waves. The basic physical principals apply
nown. ì The EFEX mission is designed to redress this problem. By flying ì carefully designed instrumen

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a
can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac
er the network model from these. ì To overcome this scalability bottleneck, we will use the rich ì theory
bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas
nanism, e.g., line switching or path switching. According to ì the DiR concept, each connection in the lay
problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessi

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l
information. Using the results of experiments, ì UT-Dallas shall "fine tune" the aggregation approach fo
er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

ne methodology, thus allowing proper reinforcement of ì skill. A secondary outcome is the involvement
d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

lgorithms. A low-noise error detection scheme will be studied in terms of communication theory fo

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
omLab Bench using Java programming techniques. V-ComLab Bench will be written as a ì platform

nechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

i to enhance the research capabilities and teaming of the PIs along ì with other investigators in both ac
e of oxygen gas plasma, to functionalize the surfaces in preparation for film coating; 3] Researching
ing. Such an integrated approach is absolutely necessary to achieve the best progress and insigh
the proposed research involves the holistic approach to be taken. The plasma will not simply be

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

change- point models, the change points are treated as random variables whose prior distribution is
sequence of developmental indicators will be targeted to reflect dependence across time and
erformance analysis, mobile ad hoc networks (MANETs) etc., autonomous agents framework, ap

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

ninimizing orbital debris. The Michigan ì Technic Corporation is the prime contractor to NASA Marshall

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

:a from both the low-altitude DMSP series of spacecraft and the high-altitude POLAR spacecraft. Tl

the sensor by performing laboratory tests of the instrument using ì a state-of-the-art neutral oxygen bea
season, hemisphere, solar cycle and geomagnetic activity. It is antipicated that such a model w

At smaller scale sizes the plasma flow represents ì essentially a random walk about the bulk flow. It is
le. Thus solar cycle variations can have profound effect on the dynamics of the ionosphere. To unc
ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

operation between libraries. The objective of our proposal is three-fold: - to provide research on c

er to maintain an optical communications link. The ì development work of the first prototype will focus o

the following deficiencies: 1.Generalization to arbitrary d-clustering property: Current ì clustering alg

nputational approaches is necessary to gain an understanding of many biological phenomena. The

Research and Quality, to examine the relationship of the health status of asthmatic children to the
hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

:isting approaches, will be investigated. In addition to evaluating different signaling protocols, this

ıey have been implicated in critical brain functions ì including synaptic plasticity and regulation of neuro
sers. 2. To determine whether speech features modified in the absence of auditory feedback differ i

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

on the data, and also to develop the website for ì distributing the processed data in both numerical and
y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

s available. It is important that information about the new systems be obtained, especially given c
deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog
ıaracterize the nutrient flux within and out of the watershed, correlate documented changes in the
ım ì mixing and water quality. We will enlist URRB high school science ì classes to sytematically collec

substrate of multiple modules - i.e., sensing device(s), Radio Frequency (RF) transmission, MicroW

ì continue its BES involvement on a reduced scale. We will only ì choose to work on select topics of

smaller collaboration like BES provided many hands-on opportunities. For example, building and c
ain network router which connects us vis Internet2 to SLAC. We are in the process of benchmarkin
ve provided BABAR with tag, filter, and selection modules to facilitate this analysis. Prof Joseph M

s parents of children with disabilities at ì all levels and in all activities. The project will provide ì student
ants and toddlers in natural environments, including home, center, health care facilities and high-po

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
egulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

o interfere with or modify the ì tinnitus. We will do this by the use of: 1) certain sounds- for example, s
or modify the tinnitus. We will do this by the use of: i) certain sounds- for example, sounds that can
Cretaceous had been found anywhere in the world! Partial ì excavation revealed individual vertebra e

or implementation in free-space optical channels. In particular, we characterize the performance c

he research is successful, it will not only lead to better ì techniques for atomic/molecular control but also

of reducing linear system order is called linear system ì order reduction. In this project, we shall: a) deve

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... THI

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th
understanding of PBII is developed and it can be tailored to produce the doping profiles fitting d

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

ies by focusing nationwide attention and Agency resources on the most prevalent types of workpla

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.
corporation of DSPs into the senior design project, (2) the development of a course for computer s

The equipment will also be useful to a number of other groups who do research in parallel/ distribu
NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

cation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ri Astrophysical Observatory. The event will take place in Florence in the period Dec 9 - Dec 13,
ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will at

uality as perceived by society. Following are the specific aims: (a) Development of statistical mode

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be
ogram monitoring using logical clocks are, how traditional expert system and decision support techr
sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

tional system might facilitate later recognition of the face. In the second section, we explore whetl
the north; an E-W ì trend parallel to the Gulf of Aden in the east; and a NE-trend, ì parallel to the Main

Texas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin
s or ì weights, so it is critical for the overall network performance ì how the various performance metric
adaptivity, on top of existing MAC protocols. Specifically we ì will research a method, whose roots are in
C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols
< costs, via a special weighted combination of metrics with dynamically adjusted weights. Since
network. (3) Extensive experimentation with a large number of real routing protocols to capture ar
GMPLS will play an important role as a unified control plane. One of the major concerns then be

ent FM devices. Speech recognition abilities of older children that are able to repeat words and/or
using different FM systems. Speech recognition performance will be determined in quiet, noise,
al rehabilitation; (d) participate in the publication process; ì (e) disseminate research and academic mat

lopment over a 12-month period of time. It may be that children who receive very early implantati
icula; (b) knowledge of both regular and ì specialized classroom instructional activities that stimulate ì
al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

s and literatures. Among the major features of the journal have been interviews with well-known tr

ze the application software, the operating system, the hardware, and the interaction between them.
will be provided. 2. A VPL generation framework will be proposed and a generation system w
DSVLs with an expressive power for a large range of applications , from PDA graph transformation
the solution of problems such as routing and network integrity ì (fragmentation). While this body of exis

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit

(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

se tasks from African Americans and Caucasians with and without aphasia. The three specific ain

he precedence constraints and the user's preferences. The project focuses on two core problems:

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
.ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

n risk, interdisciplinary detector and instrument technologies needed for future detectors. Our focus

il companies are our models, and displaying them in various visualization systems for analysis an

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

) or their fragments and oligomers structures and facilitate separation of photoinduced charges and

p- and n-selective doping of organic solar cells, and the concept of p-M-n layered organic structu
pability to charge storage batteries in the field under extreme conditions. The project includes the
no-chips. One of these methods is based on our pioneering concept of a conjugated polymer chain

ect include: (1) Integration of ASTER, RADARSAT and SRTM data for geological mapping in arid re

programming language. He will dedicate 2 days per week over a one year period to this effort. Th

will demonstrate the digital mapping method, assist in the digital mapping of the Ainsa outcrop ar

eptual basis for the separation of a target voice from a competing background voice. The central assun
d. Our preliminary findings indicate a synergistic relationship between formant shifts and fundamer
rom speech production data. There are three important reasons why the perceptual adaptation to
shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

evaluate their potential for the separation of CO2 and N2. The research involves a study of molecul
ditionally, hands on utilization of major research instrumentation such as x-ray diffraction, electron m
s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

es, reflecting their multi-phase behaviour, the mechanism of changing phases, the effects of seaso

on of asymptotically pointwise optimal detection rules, Bayes truncated and Bayes look-ahead

omization requirements, including platform capabilities, operating environment, and non- functional

an be addressed using standard econometric techniques. The data available for this purpose cons
d thereby better understanding petroleum exploration risk. The primary products of this research
emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

this project, we will investigate and realize dynamically reconfigurable architectures for networkir
ad. Besides core teaching material, each course module will be supported by a dynamic web bas
is also wrong. Many modern wave-influenced deltas are asymmetric, ì with better reservoir quality sar
ehavior in a distal foreland basin setting at a resolution not yet achieved in the Western Interior Bas
unctionality already placed in the monolayer and thus a different organic species could be situated

ersed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov
The university/industry team is in place from the onset in order to accelerate demonstration and de
t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ent processing of single and multi- layer resist up to 3-3.5 micro meter, perform appropriate metrolo

ì identification and characterization of the factors that regulate ì the expression of the genes that enco
understanding how the genes that encode ì the subunits of the human mitochondrial ATP synthase con

ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under
er exposure to hypoxia. We have determined that the levels of expression of the nuclear genes tha
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
characterize the trans-acting regulatory factors that mediate the hypoxia-induced down-regulation

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

d therefore on SHRW water right, and of unexploited local source of supply in the alluvial aquifer.
ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

ling proteins have been identified in various insects. ì However, only one receptor molecule, BT-R1 from
he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers
to be ì rather simply inherited. These resistant lines have been used in ì reciprocal crosses with know
ne applications of biomolecule detection chips for monitoring human health and performance. 3.)
trix interactions within susceptible hosts. Clostridium perfringens, another spore-forming gram-po
isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

he creation of a very narrow band filter that ì has a myriad of applications. When used as a spectral sca

keyed or phase-shift-keyed signals over a broad gain spectrum that extends far beyond the erbium

using fiberoptic interconnects. Modeling will be conducted using commercially available software

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

methods and expertise drawn from nationally recognized research ì scientists representing multiple disc
on subsequent cognitive, linguistic, social, academic, and ì behavioral recovery and later development
disease-related aging processes. Our unique treatment program ì utilizes abilities that remain intact to
ì will measure the effects of our interventions on patient's ì function, communication, participation, dep
) to relate deficits of prospective memory and selective learning to measures of school, family, and
on student's learning and the need for academic change * Educates parents of the specific ways t

on of health professionals who provide geriatric care. Goal 4. Provide students with clinical trainin
THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

) students and policy makers. One negotiation simulation will place participants in decision ma

n addition the theoretical aspects of the proposed provisioning protocols, the practical implementati
and broadband networks, we will build an applications support network framework that can be eas

thesized speech), and determine whether correlations exist ì between the lower brainstem ascending ar

and prediction ì of the often severe radio scintillation effects that can ì accompany these structures. W

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
' showed that the electrons have larger cross sections for triggering the decay of spin isomers

theory of induced representations on ì indefinite inner product spaces. The second direction is of a ì m
der this action, the Kolmogorov decomposition of the kernel should give rise to a unitary represent
n, the Kolmogorov decomposition of the kernel should give rise to a unitary representation of the s
e formulated. The recent interest expressed in the mathematical aspects of quantum field theory w
ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie
the north. During such conditions it is thought that the connection between the geospace enviror
l the north. During such conditions it is thought that the connection between the geospace envir
vard the north. During such conditions it is thought that the connection between the geospace

ıs for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

:d ì "systems research approach" to achieve this goal. We will develop ì performance models for sever

ant ì ALF-containing complex is able to stabilize TATA-binding protein ì (TBP)-DNA interactions, and c
use of DNase I and chromatin immunoprecipitation assays to evaluate nucleosomal packaging at th

ons of the security system design. The methodology will have several integrated elements: First, w
ıt. The demethylase will consist of a tetra-thiolate ì zinc-binding active site incorporated into a designed
n, immobilized on a streptavidin-coated surface and used to ì select for phage displaying receptor muta
late ligand varied. The stability of the helical bundle motif will allow us to alter several structural fe
ect orientation to house a protease site. The protease site will be based on the active site of serine
er helical targets. Specific aims are: 1) establish association specificity and affinity between the

protein environment surrounding the metal-binding site. These properties will include electrostati
membrane fusion and infection of target cells. Protein-protein interactions are critical to many cel
that the reactivity profile of a Zn (II)-binding site (i.e. the relative reactivities of the Cys residues th

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to
ì of PKB in the inhibition of apoptosis/maintenance of survival in ì primary cultures of postnatal cerebe
urvival, to determine whether it is also involved in survival ì promotion by HK, cyclic AMP, and lithium, to
into the regulation of Akt. Some preliminary data we have recently generated suggests that Akt mi
hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul
ı of Akt is the result of increased mRNA/protein stability or due to increased gene transcription will l
ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma
hat is independent of COPI. There are two specific aims in this project focused on characterizing
er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa
ed that protein helices will wrap nanotubes, the second objective of the project is to use amphiphilic

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

untries to discuss key issues. Location should be chosen to maximize representation from develo

ded ì with empirical input data. In addition, LEAD outputs will be ì carefully compared to empirical dens

Festival presenters to do joint concerts. He is a member of the roster of the Texas Touring Arts Pro

ne focus of the project is ì developing standards-based science and mathematics instruction ì through g
ing of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools pro
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea
nt School District. Reading One-to-One master manuals will be available for duplication by Athens
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea

General Studies at UTD as set forth in the above referenced project. (3) Period of Performance:
School of General Studies at UTD as set forth in the above referenced project. (3) The period of
ents written work, assessments, and tutor comments, etc. These records are kept at each school s
re asking for more part-time members. More part-time members allows us to accommodate the ne

ifically, the implementation of the state mandated Member Development and Strengthening Comm

t have been stymied by several shortcomings. An ì important one is that they have not used true randor
s our preliminary findings. Second will be ì one or more formal presentations of these findings to officers
ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina
nt detectors, giving the time profile of the incident ì supernova neutrino flux. The energy dependence of
definitive diagnosis of the black-hole formation. 3) Studies of matter-enhanced neutrino conversion

er-survey (multiyear) absolute gravity ties; 3) Evaluation of new gravity meter technology and "real-tim
ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(
ì is intended to fund continuing involvement in the analysis of all ì the field data from experiments in 19

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

vest Egaps reported to date. We will combine ì these approaches, along with our expertise in elucidatin

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI
acilitate industrial and university R&D in solar cells/OLEDs, thermoelectrochemical cells, thermoio
ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

›here/ ionosphere/electrodynamic general circulation model (TIEGCM) to tackle this problem. Tl
·vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper
However, some companies still favor mesh ì restroration as they believe that such a restoration is more
ì Continous phase modulation (CPM) will be considered for the ì transmission of turbo coded digits. Cl
de. The ì effect of these changes is to reverse the direction of the ì electric field in the oxide, so that o›

:abrication of new MEMS devices. A major focus of these efforts is related to improve and optimize

and, 4) group language intervention (GLI). Each child will ì be randomized to one of the four interventic
ovided to children with disabilities. This study proposes a ì 4-year randomized clinical trial to compare t

Layer and dynamically determines its optimal configuration. A network testbed with at least 6 nc
path protection. (2) Restoration: investigation of distributed restoration schemes especially from

lem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (Callier Center for Communication Diso
le to the patient. ABR data will also be collected. The results of the proposed work will contribute

will address two issues: 1) Develop a model of the plasma sheath during the PLAD ì implantation pr‹

use ì prior knowledge and strategies for making sense of the ì information. The goal of this research i
nd diagnostic information for use by teachers and students in the service of improving classroom ir
ne following topics will be covered in the first workshop: Bayesian Models of Human Concept Lear

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu
ider the possibility that many eukaryotic hosts could be capable of interfering with the quorum ser
molecular prerequisites necessary for the function of these ì oligosaccharides signals. The diversit
s). Furthermore, we have demonstrated that these plant-produced AHL-mimics alter the pattern o
polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

ics technology of isotope coded affinity tags and LC-MS/MS. We will then determine the role of sp
s E2 activity (Aim 2). Finally, utilizing mutagenesis experiments, we will identify the E2 and E3

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ce a week. In these meetings, she ì will join the training that the research assistants receive on an ì on
ssions and analyses during the team meetings. While being trained in advanced coding and analy
ences and which allows the g5p to bind to those sequences ì that it prefers. These sequences are then
ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
tion efficiencies can differ greatly in their specific biological effectiveness. Some of the difference

these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

eresting insights into designing schedulers for parallel logic programming systems. Both tas
:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio

webbases to create VoiceXML-based webbases that users can interact with through speech interface
so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
can also be used for automating verification of programs. In our approach the formal semantics
ntify the content of interest on a Web page, The user highlights that content on the web browser.
systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

ne iron at the 24-carbon of cholesterol. More complex structures are proposed that minimally per

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

s in ì the IMF, the morphology and evolution of the convection patterns ì as a function of the IMF, and t

ike WordNet; and (b) inferential mechanisms. The pragmatic knowledge has an important role in

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

third investigates the problem of data catastrophes. The fourth deals with freeware distribution fo

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of
universities agree to purchase site equipment. UTD will be ì responsible for providing installation, opera
cale structure in the charged particle velocity. This structure has been shown to be an important c
ment engineers, provide the core capability for producing the instrumentation. In addition to the
sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

nonths or more, ì such as on a trip to Mars. One possible remedy for this situation ì is to use a spent bo
nd (b) returning a satellite to Earth,thus ì minimizing orbital debris. The STEP-AIRSEDS (SA) mission w
e access to space by (a) utilizing the electrodynamic tether as an alternative to chemical based up
ver on the surface of Mars, or the moon or an asteroid. It could also be used in a sample return
s evolution through time, and in particular the distribution, abundance and behavior of water. Majo
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our
gen) will be determined. When the mass spectrometer is not being used to analyze the effluents fr
University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

ption will also be examined. This study ì combines quantitative analysis with historical analysis of the ì

ı oscillations can control gene expression in cells. The ì next thrust of computational and mathematical
ct the ability of the heart to pump ì blood. To this end, we are performing numerical experiments and ì
ol of gene expression in this specific case. The methodology used and refined here will be applied
amine them closely. Little is known about the changes ì taking place in suburbs just outside the central
omic inequlity and economic segregation on outcomes such as: ì (1) Percent of girls aged 15 to 19 years
racial and economic segregation. This research has important policy implications in view of the
ion programs authorized by this legislation. Analyses of the impact of this policy initiative are nee

he ì logic of the proposed studies is that important information about ì the mental representations and
aring impairment on speech perception. Thus the long term objective of our project of research is t
d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
articularly for phonological knowledge. The proposed research will apply a picture-word task usir
ation strategies which enable networks to dynamically ì adapt to changes in traffic; 4) Control schemes
ı plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

g properties of Op-IAP mutants will be compared with ì wildtype (normal) Op-IAP to gain structural insig
ıre of the ì second BIR (BIR2) of the baculovirus Op-IAP specifies binding and ì inhibition of Reaper, G
ucture determination. We have also expressed and purified a ì fragment of the apoptosis-stimulating Hi
e IAP protein Op-IAP from the baculovirus Orgyia pseudotsugata. The structural studies in this p
and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s
Hid stimulators. The goals are to define the molecular determinants for BIR-stimulator recognition,
involved using NMR, site-directed mutagenesis, and quantitive fluorescence-based protein-binding
compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea
eat) domains found in 1-3 copies in IAPs. This proposal uses biochemical and biophysical methods
The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly bind and inhibit cas
development of new strategies to therapeutically target these proteins in order to suppress inapp
ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
ın control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

IS REGULATORS AND FUNCTION BY BINDING AND INHIBITING CASPASE PROTEASES.SE

three categories of early career scholars: post-doctoral fellows ì (new PhD's that do not hold a regular
The unifying theme of this research is the ì development of empirical evidence about school choices by
ı, high school graduation, and college attendance and completion. The additional time and fundir
00 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

egration, ì including apraxia of speech (AOS) and oral apraxia (OA). Seven ì experiments will test the h

g to ì remove noise and artifacts, 2) extraction of various image ì features, 3) feature selection to ident

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,
affine moment invariant matching, (c) point-set and line invariant matching, and (d) geometry r

(The ì University of Alberta and Simon Fraser University), two in the ì United States (The University of
ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica
.nd making the transition to a four-year institution that ì this project addresses are: (1) monetary difficulti
ɲificant component of the program will be to ì establish research internships and practicums linking the
ogram is designed to encourage and prepare a ì broad range of 40 to 50 young women to gain persona

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do
cal, growing self-organizing tree algorithm (HGSOT), and a modified self-organizing tree (MSOT)

ɗata for performance improvement efforts. The research will also lead to the development and
ɨbility of auditory stimulus delivery and the ì detail of extracellular mapping techniques to quantify ì exp
therapy are most important for effective treatment. We will investigate the consequences of socia
al filters are precisely tuned for specific spectral and temporal features of behaviorally important vo
.l circuits, to document how daily behavioral training improves cortical processing, to determine
asing the rate of cortical processing will improve the ability to respond to time-varying information.
to exaggerated speech sounds used to treat language learning impairments in children. The thir

sers with traditions, performers with compositions, and ì audiences with performances. The festival is a

ect data from virtual field trips. This program is ì designed to provide a perpetual supply of high-quality e
ry-fabricated circuits, (3) Development of an on-chip packaging architecture for highly integrated tr
c high aspect ratio microstructures directly on circuits containing substrates and/or chips. 3. De
his new approach incorporates two fundamental fabrication techniques in a complementary manner
itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

ly all of what is known about these defects in DNA structure ì is based on studies that have been carrie
onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore

ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatl

ıe analysis of the TSMP data to address GED research questions. This includes creating a data s

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

tion & forms, & to memory; and the connections & interactions among OP & OT network compone
eas in the same hemisphere which is placed higher in the hierarchy. Virtually every region of the v
ɔf motion. After training on the motion related tasks, the superior colliculus will be deactivated with

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ıgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks c
als to striate and extrastriate cortices. In contrast, in the midbrain pathway, visual signals arising f
ˈks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND
what situations do most children do well at learning both English ì and Spanish? In this project, we see
/ Gestos and Palabras y Enunciados. As part of the next phase of development of the CDI Scoring
American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to
rce, they are a factor in global climate change, and because the presence of gas hydrate distorts i

s part of a team on one of the diagnostics systems ì which is currently under development. It is likely th

(PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF
EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business perform
g scheme for document terms, such that they are representationally similar with related concepts.

n it enjoys the competitive advantage of being the only such product that is capable of understanc

RNA and then to protein by the continous synthesis of ì these molecules on linear templates. In mitocho
al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

e, and (3) minimize the amount of routine data that is usually acquired at new drilling sites in orde
low the sea floor. Co-generation of such high concentrations of these gases in marine sediments
d build consistent ontologies and knowledge bases from unstructured documents. The technical cl
istics community. In this proposal, semantic relations are the underlying relations between two c
ANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

ties. The recent availability of geo-referenced data and ì spatial analytic tools like spatial econometrics,
olicy questions, including: what are the ì best empirical measures for air pollution concentrations; what
eoffs from the explicit incorporation of space-time ì dependence in traditional air pollution "concentratio

initiative will begin the process of establishing a community of "spatially enabled" planners, poli

biology and materials chemistry. Combining the TEM and ESEM into ì one facility will enhance encount
l polymer matrices. These polymers have good film forming capabilities and previous results of PS
nneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sin

and field. Teacher teams will develop focused modules that address specific challenges to their

ennas. We plan to develop space-time codes that send non-identical information through their div
packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
ɔder. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

skew violations (integrity loss) occurring on the interconnects of high-speed SoCs. These cells mo
SoCs using FPGA tools. Our novel test methodology closes the frequency gap between ATE and c
ct noise and skew violations occurring on the interconnects of high-speed SoCs. Furthermore, a c

em theoretic tools. Methods will be developed that are also applicable to data sets that arise from
vill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single mo

ents ì analysis (PCA). The PCA model represents the information in ì individual faces by extracting fea
our alternative hypotheses, to create more ì distinctive facial stimuli. The effectiveness of these ì mani
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

e to trajectories of development from birth through middle childhood within the broader social ecol

d this study since its inception is extended to include new contexts associated with adolescent de
nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

generation in medical sensing. In proposal for the Welch Foundation we intend to attach chemica
ality - from a larger, heterogeneous cell population has ì widespread applications in clinical chemistry. W

propose a comprehensive investigation of nonspecific binding interactions on glass surface based

ophiolites. Curiously, in Spite of its strategic location, the ì Khoy Ophiolite has been totally ignored by

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepre

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

o several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

algorithms to transmit geospatial information over the Internet through wireless communication. T

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

on related material and train both graduate ì and undergraduate students. If the research is successful
ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory
vealed three aconitase-encoding genes. Disruption of two of ì these genes significantly impaired the syn
transport operons. We will then examine growth in situations that require arginine or putrescine. I

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female ì victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

gnosed with information on early intervention and ì educational resources; 3) to provide parents with inf

regulations, and in accordance with the Protocol, without changes, except as agreed to and approv
rly childhoood intervention (ECI) personnel on treatment options; 3) to educate pediatricians on tr

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
:enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

increase in the amount of video and image data that will be made ì available online. A key observation i
data attributes. Applications are in data visualization, organization and indexing of databases, eff
owser for visual content: content-based indexing and the human-computer interaction. Current res

forms, including voting, using information about disability issues to evaluate candidates, running

ography. Outline of specific activities: Teams from the two universities will visit their counterparts'
TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

definitive degree of completion. Conceptual perspectives and criteria will be applied, needed clar

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

fuzzy logic controller, robot navigation systems, real-time video conference, etc., a representation

estigating the relat- ionships among time, memory, code size and power consumption, we can der

it success in our laboratory and others, we now understand the basic chemistry and physics of gad

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd
sitioned trans- to one another over an already slowly exchanging Ln3+ -bound water molecule. U
act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

ì target self-sustained economic development and enhance quality of ì life in rural counties. The res
nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet
ì expandable, efficient, and available software solution for SDA. ì The key feature of the project is that
the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at
ssical regional economic analysis and advances in spatial analysis for the purposes of identificatic

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
of makespan, mean flow time, and weighted tardiness ì have been considered in order for the produce
will transfer the research findings, covering two different problem domains (electronics and hardv
derived from plasmid DNAs by a recombinase-mediated deletion reaction carried out on molecule
ocessing is a hallmark of nearly all tumor cells and occurs through the processive addition of telom
antle moves into the subarc wedge is important, does it produce ì a more homogeneous and depleted

her students. The UTD course will be designed as an interdisciplinary exploration of several exar

n to Dynamic Spectrum Utilization Development contract with the Defense Advanced Research Ag

f rats learning either spatial or cued maze tasks. Behavioral measures of acquisition and retentio

e and affect its electrical conductivity. The consequent changes in electrical currents into cloud
of image charge theory can be made by utilizing the exact expressions for electrical forces betwe

. This program will produce a much-needed cadre of young researchers to enhance our understa

ormation repositories on the ì Internet. Our research will consider the following problems: 1) Develop
ining, security and real-time decision support. 2. The design of fully scalable layout methods for use c

testbed with a basestation and mobiles. The testbed will have three key capabilities: (1) wide-ba
versity and space-time codes for SDMA communications, the downlink weight vector design to opti

settings: solution of SAT/MINSAT problems, solution of problems at the second level of the poly
each of which is assumed to sense and record environmental events of a particular type. In this co

vice battery power state that are critical to the interacting modules. This interaction and global pers
s or in the experimental analysis. Finally we will fine-tune these heuristics for the target applicatio
This will be the primary focus of this proposed research. Following this, as part of a post-grant res
buted Resource Utilization: Sensor resource allocation and utilization is implictly distributed in nat

orms of behavior that are more common among boys and ì social contexts where boys behavior are mo
ldren engage in and experience these behaviors and ì explore whether and when gender differences er
nd explore whether and when gender differences emerge, using multiple methods to measure soc

ıtive research techniques, such as interviews, and quantitative research in the field testing phase.

WEB LECTURE SYSTEM AND DEMONSTRATING ITS WORKING CAPABILITY.IN ADDI- TION,

esources received through the grant. With assistance from ì Reading One-to-One and Dallas Reads, th
UTD will assist with the training of tutors and evaluation of ì all levels of staff for the Yupiit School Distri
t ì Carrollton School District; (2) The UTD Reading One-to-One ì Program will assist with the training a

and remotely for our patrons by acquiring a module of our online library system, to manage and i

s (arithmetic, load/store, logical, and control transfer, etc.) and the configuration operations. (2)
VIDTH ALLOCATION AND ME TERING ARE EXPENSIVE IN TERMS OF INFRASTRUCTURE AN
E HAVE TO SPEED UP THE IMPLEMENTATION OF FUNCTIONS SUCH AS FFT, VITERBI CODE
ors for measurement and ì analysis of electrical and/or mechanical signals associated with ì normal an

efining and implementing the responsibilities of a Service Broker and a SIP user agent client (UAC

University of Texas at Dallas provides a two-day TA Orientation ì session, a seminar series on such to
ne learning can be readily applied to new understanding of protein tertiary structure and functi

i help develop the endopeptidase lysostaphin into a prophylactic ì agent for the treatment of Staphyloc
often where new "emerging" genetic systems as well as "novel model systems" are first describec

e whether or not transcriptional mutagenesis is occurring. The techniques employed consist of a
utilization of the resources provided by the organization. The ì design objective of the courseware tool
ıction with conventional bulky forms of carbon. As a result of this project we will answer the followir
ain), while leaving the other D-component neutral. We will also synthesize a selective ps-dopant-p

f program construction, debugging, and performance tuning will all be based on one graph formali
ler and graphical editor, is supported by the underlying graph grammars pre-defined before the ge
esign of XML-like documents and their translations between each other. We will develop a set of

euing and scheduling algorithms for an edge router. * Channel reservation, channel scheduling, opt
tation aspects of optical interconnection networks. Each design aspect of hypernetworks has a sp

luate education at UT-Dallas and UNC-Charlotte. The objectives require the expertise over sever
t transform annd the existing transforms, such as the Laplace and z-transforms, 4) the application

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

al ì Positioning System (RTK) surveying will be integrated with ì reflectorless laser rangefinders to map

consist of nanoporous molecular sieves that have been templated around novel proton conducting

and the middleware. The project will expose complex system design that includes hardware and
and the middleware. The project will expose complex system design that includes hardware and
ojects involved in this multi-investigator research will result in fundamental knowledge necessary

he cell modification should add the least overhead compared to the original one while it needs to
works. The nodes in such a network will also be able to ì interface with the fixed network, thus turning th
ed to design high-performance implementations of many of the ì computational kernels in video, audio

nd quality of service (QoS) performance. This ì innovative network architecture is based on the integrat
measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann
ì for Advanced Software Engineering Research (LASER) will focus on ì solving this problem and beco
chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ
d of chemicals to contain/neutralize the chemicals, and (b) public safety organizations such as po

and who go on to graduate training in the STEM disciplines. Our ultimate goal is to increase the
of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

nstruction and improve student learning and achievement in foundational literacy and the use of c

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
ucleophilicity) of this unit is carefully controlled in proteins by the protonation state of the Cys thiol(

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

ì necessitates timely compliance in moving from birth screening to ì follow-up and intervention. Three i

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

pace and time variations associated with changes in the interplanetary medium. These changes i

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

hing skills and competence of content knowledge gained from these new experiences. These tea

one topic. The topics include a) neuroscience, b) cardiac ì dynamics, c) biological oscillators, d) bioin
ne ì topic. The topics include a) neuroscience, b) cardiac dynamics, ì c) biological oscillators, d) bioinfo

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

resulting instabilities affect the propagation of radio waves. The basic physical principals apply
nown. ì The EFEX mission is designed to redress this problem. By flying ì carefully designed instrumen

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a
can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac
er the network model from these. ì To overcome this scalability bottleneck, we will use the rich ì theory
bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas
nanism, e.g., line switching or path switching. According to ì the DiR concept, each connection in the lay
problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessil

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l
information. Using the results of experiments, ì UT-Dallas shall "fine tune" the aggregation approach fo
er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

lgorithms. A low-noise error detection scheme will be studied in terms of communication theory fo

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
omLab Bench using Java programming techniques. V-ComLab Bench will be written as a ì platform

nechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

i to enhance the research capabilities and teaming of the PIs along ì with other investigators in both ac
e of oxygen gas plasma, to functionalize the surfaces in preparation for film coating; 3] Researching
ing. Such an integrated approach is absolutely necessary to achieve the best progress and insigh
the proposed research involves the holistic approach to be taken. The plasma will not simply be

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

change- point models, the change points are treated as random variables whose prior distribution is
sequence of developmental indicators will be targeted to reflect dependence across time and
erformance analysis, mobile ad hoc networks (MANETs) etc., autonomous agents framework, app

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

ninimizing orbital debris. The Michigan ì Technic Corporation is the prime contractor to NASA Marshall

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

the sensor by performing laboratory tests of the instrument using ì a state-of-the-art neutral oxygen bea

At smaller scale sizes the plasma flow represents ì essentially a random walk about the bulk flow. It is
le. Thus solar cycle variations can have profound effect on the dynamics of the ionosphere. To unc
ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

operation between libraries. The objective of our proposal is three-fold: - to provide research on c

er to maintain an optical communications link. The ì development work of the first prototype will focus o

the following deficiencies: 1.Generalization to arbitrary d-clustering property: Current ì clustering alg

Research and Quality, to examine the relationship of the health status of asthmatic children to the
hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

isting approaches, will be investigated. In addition to evaluating different signaling protocols, this

ey have been implicated in critical brain functions ì including synaptic plasticity and regulation of neuro
sers. 2. To determine whether speech features modified in the absence of auditory feedback differ i

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

on the data, and also to develop the website for ì distributing the processed data in both numerical and
y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

s available. It is important that information about the new systems be obtained, especially given c
deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog
ıaracterize the nutrient flux within and out of the watershed, correlate documented changes in the
ım ì mixing and water quality. We will enlist URRB high school science ì classes to sytematically collec

substrate of multiple modules - i.e., sensing device(s), Radio Frequency (RF) transmission, MicroW

ì continue its BES involvement on a reduced scale. We will only ì choose to work on select topics of

smaller collaboration like BES provided many hands-on opportunities. For example, building and c

ve provided BABAR with tag, filter, and selection modules to facilitate this analysis. Prof Joseph M

s parents of children with disabilities at ì all levels and in all activities. The project will provide ì student
nts and toddlers in natural environments, including home, center, health care facilities and high-po

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
egulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

interfere with or modify the ì tinnitus. We will do this by the use of: 1) certain sounds- for example, s
r modify the tinnitus. We will do this by the use of: i) certain sounds- for example, sounds that can
Cretaceous had been found anywhere in the world! Partial ì excavation revealed individual vertebra e

or implementation in free-space optical channels. In particular, we characterize the performance c

e research is successful, it will not only lead to better ì techniques for atomic/molecular control but also

of reducing linear system order is called linear system ì order reduction. In this project, we shall: a) deve

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... TH

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th
understanding of PBII is developed and it can be tailored to produce the doping profiles fitting d

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

ies by focusing nationwide attention and Agency resources on the most prevalent types of workpla

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.
corporation of DSPs into the senior design project, (2) the development of a course for computer s

The equipment will also be useful to a number of other groups who do research in parallel/ distribu
NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

cation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ri Astrophysical Observatory. The event will take place in Florence in the period Dec 9 - Dec 13,
ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will at

uality as perceived by society. Following are the specific aims: (a) Development of statistical mode

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be
ogram monitoring using logical clocks are, how traditional expert system and decision support techr
sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

tional system might facilitate later recognition of the face. In the second section, we explore whetl
the north; an E-W ì trend parallel to the Gulf of Aden in the east; and a NE-trend, ì parallel to the Main

Texas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin
s or ì weights, so it is critical for the overall network performance ì how the various performance metric
adaptivity, on top of existing MAC protocols. Specifically we ì will research a method, whose roots are in
C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols
< costs, via a special weighted combination of metrics with dynamically adjusted weights. Since
network. (3) Extensive experimentation with a large number of real routing protocols to capture ar
GMPLS will play an important role as a unified control plane. One of the major concerns then be

ent FM devices. Speech recognition abilities of older children that are able to repeat words and/or
using different FM systems. Speech recognition performance will be determined in quiet, noise,
al rehabilitation; (d) participate in the publication process; ì (e) disseminate research and academic mat

lopment over a 12-month period of time. It may be that children who receive very early implantati
icula; (b) knowledge of both regular and ì specialized classroom instructional activities that stimulate ì
al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

s and literatures. Among the major features of the journal have been interviews with well-known tr

ze the application software, the operating system, the hardware, and the interaction between them.
will be provided. 2. A VPL generation framework will be proposed and a generation system w
DSVLs with an expressive power for a large range of applications , from PDA graph transformation
the solution of problems such as routing and network integrity ì (fragmentation). While this body of exis

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit

(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

se tasks from African Americans and Caucasians with and without aphasia. The three specific ain

he precedence constraints and the user's preferences. The project focuses on two core problems:

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
.ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

n risk, interdisciplinary detector and instrument technologies needed for future detectors. Our focus

il companies are our models, and displaying them in various visualization systems for analysis an

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

) or their fragments and oligomers structures and facilitate separation of photoinduced charges and

p- and n-selective doping of organic solar cells, and the concept of p-M-n layered organic structu
pability to charge storage batteries in the field under extreme conditions. The project includes the
no-chips. One of these methods is based on our pioneering concept of a conjugated polymer chain

ect include: (1) Integration of ASTER, RADARSAT and SRTM data for geological mapping in arid re

eptual basis for the separation of a target voice from a ì competing background voice. The central assun
l. Our preliminary findings indicate a synergistic relationship between formant shifts and fundamer
rom speech production data. There are three important reasons why the perceptual adaptation to
shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

evaluate their potential for the separation of CO2 and N2. The ì research involves a study of molecul
ditionally, hands on ì utilization of major research instrumentation such as x-ray ì diffraction, electron m
s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

es, reflecting their multi-phase behaviour, the mechanism of changing phases, the effects of seasc

on of asymptotically pointwise optimal detection rules, Bayes truncated and Bayes look-ahead

omization requirements, including platform capabilities, operating environment, and non- functional

an be addressed using standard econometric techniques. The data available for this purpose cons
d thereby better understanding petroleum exploration risk. The primary products of this research
emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

this project, we will investigate and realize dynamically reconfigurable architectures for networkir
ad. Besides core teaching material, each course module will be supported by a dynamic web bas
is also wrong. Many modern wave-influenced deltas are asymmetric, ì with better reservoir quality sar
ehavior in a distal foreland basin setting at a resolution not yet achieved in the Western Interior Bas
unctionality already placed in the monolayer and thus a different organic species could be situated

ersed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov

t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ent processing of single and multi- layer resist up to 3-3.5 micro meter, perform appropriate metrolo

ì identification and characterization of the factors that regulate ì the expression of the genes that enco
understanding how the genes that encode ì the subunits of the human mitochondrial ATP synthase con

ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under
er exposure to hypoxia. We have determined that the levels of expression of the nuclear genes tha
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
characterize the trans-acting regulatory factors that mediate the hypoxia-induced down-regulation

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

d therefore on SHRW water right, and of unexploited local source of supply in the alluvial aquifer.
ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

ling proteins have been identified in various insects. ì However, only one receptor molecule, BT-R1 from
he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers
to be ì rather simply inherited. These resistant lines have been used in ì reciprocal crosses with know
ne applications of biomolecule detection chips for monitoring human health and performance. 3.)
trix interactions within susceptible hosts. Clostridium perfringens, another spore-forming gram-po
isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

he creation of a very narrow band filter that ì has a myriad of applications. When used as a spectral sca

keyed or phase-shift-keyed signals over a broad gain spectrum that extends far beyond the erbium

using fiberoptic interconnects. Modeling will be conducted using commercially available software

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

methods and expertise drawn from nationally recognized research ì scientists representing multiple disc
on subsequent cognitive, linguistic, social, academic, and ì behavioral recovery and later development
disease-related aging processes. Our unique treatment program ì utilizes abilities that remain intact to
ì will measure the effects of our interventions on patient's ì function, communication, participation, dep
) to relate deficits of prospective memory and selective learning to measures of school, family, and
on student's learning and the need for academic change * Educates parents of the specific ways t

on of health professionals who provide geriatric care. Goal 4. Provide students with clinical trainin
THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

) students and policy makers. One negotiation simulation will place participants in decision ma

n addition the theoretical aspects of the proposed provisioning protocols, the practical implementati
and broadband networks, we will build an applications support network framework that can be eas

thesized speech), and determine whether correlations exist ì between the lower brainstem ascending ar

and prediction ì of the often severe radio scintillation effects that can ì accompany these structures. W

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
' showed that the electrons have larger cross sections for triggering the decay of spin isomers

theory of induced representations on ì indefinite inner product spaces. The second direction is of a ì m
der this action, the Kolmogorov decomposition of the kernel should give rise to a unitary represent
n, the Kolmogorov decomposition of the kernel should give rise to a unitary representation of the s
e formulated. The recent interest expressed in the mathematical aspects of quantum field theory w
ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie
the north. During such conditions it is thought that the connection between the geospace enviror
l the north. During such conditions it is thought that the connection between the geospace envir
vard the north. During such conditions it is thought that the connection between the geospace

ıs for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

:d ì "systems research approach" to achieve this goal. We will develop ì performance models for sever

ant ì ALF-containing complex is able to stabilize TATA-binding protein ì (TBP)-DNA interactions, and c
use of DNase I and chromatin immunoprecipitation assays to evaluate nucleosomal packaging at th

ons of the security system design. The methodology will have several integrated elements: First, w
ıt. The demethylase will consist of a tetra-thiolate ì zinc-binding active site incorporated into a designed
n, immobilized on a streptavidin-coated surface and used to ì select for phage displaying receptor muta
late ligand varied. The stability of the helical bundle motif will allow us to alter several structural fe
ect orientation to house a protease site. The protease site will be based on the active site of serine
er helical targets. Specific aims are: 1) establish association specificity and affinity between the

protein environment surrounding the metal-binding site. These properties will include electrostati
membrane fusion and infection of target cells. Protein-protein interactions are critical to many cel
that the reactivity profile of a Zn (II)-binding site (i.e. the relative reactivities of the Cys residues th

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to
ì of PKB in the inhibition of apoptosis/maintenance of survival in ì primary cultures of postnatal cerebe
urvival, to determine whether it is also involved in survival ì promotion by HK, cyclic AMP, and lithium, to
into the regulation of Akt. Some preliminary data we have recently generated suggests that Akt mi
hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul
ı of Akt is the result of increased mRNA/protein stability or due to increased gene transcription will l
ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma
hat is independent of COPI. There are two specific aims in this project focused on characterizing
er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

ıntries to discuss key issues. Location should be chosen to maximize representation from develo

ded ì with empirical input data. In addition, LEAD outputs will be ì carefully compared to empirical dens

Festival presenters to do joint concerts. He is a member of the roster of the Texas Touring Arts Pro

ıng of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools pro
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea
ıt School District. Reading One-to-One master manuals will be available for duplication by Athens
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea

General Studies at UTD as set forth in the above referenced project. (3) Period of Performance:
School of General Studies at UTD as set forth in the above referenced project. (3) The period of
ents written work, assessments, and tutor comments, etc. These records are kept at each school s
re asking for more part-time members. More part-time members allows us to accommodate the ne

ifically, the implementation of the state mandated Member Development and Strengthening Comm

t have been stymied by several shortcomings. An ì important one is that they have not used true randor
s our preliminary findings. Second will be ì one or more formal presentations of these findings to officers
ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina
nt detectors, giving the time profile of the incident ì supernova neutrino flux. The energy dependence of
definitive diagnosis of the black-hole formation. 3) Studies of matter-enhanced neutrino conversion

er-survey (multiyear) absolute gravity ties; 3) Evaluation of new gravity meter technology and "real-tim
ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(
ì is intended to fund continuing involvement in the analysis of all ì the field data from experiments in 19

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

vest Egaps reported to date. We will combine ì these approaches, along with our expertise in elucidatin

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI
acilitate industrial and university R&D in solar cells/OLEDs, thermoelectrochemical cells, thermoio
ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

›here/ ionosphere/electrodynamic general circulation model (TIEGCM) to tackle this problem. Tl
·vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper
However, some companies still favor mesh ì restroration as they believe that such a restoration is more
ì Continous phase modulation (CPM) will be considered for the ì transmission of turbo coded digits. Cl
de. The ì effect of these changes is to reverse the direction of the ì electric field in the oxide, so that o›

·abrication of new MEMS devices. A major focus of these efforts is related to improve and optimize

and, 4) group language intervention (GLI). Each child will ì be randomized to one of the four interventic
ovided to children with disabilities. This study proposes a ì 4-year randomized clinical trial to compare t

path protection. (2) Restoration: investigation of distributed restoration schemes especially from

lem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (Callier Center for Communication Diso

will address two issues: 1) Develop a model of the plasma sheath during the PLAD ì implantation pr‹

use ì prior knowledge and strategies for making sense of the ì information. The goal of this research i
nd diagnostic information for use by teachers and students in the service of improving classroom ir
ne following topics will be covered in the first workshop: Bayesian Models of Human Concept Lear

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu
ider the possibility that many eukaryotic hosts could be capable of interfering with the quorum ser
molecular prerequisites necessary for the function of these ì oligosaccharides signals. The diversit
s). Furthermore, we have demonstrated that these plant-produced AHL-mimics alter the pattern o
polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

s E2 activity (Aim 2). Finally, utilizing mutagenesis experiments, we will identify the E2 and E3

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ce a week. In these meetings, she ì will join the training that the research assistants receive on an ì on
ssions and analyses during the team meetings. While being trained in advanced coding and analy
ences and which allows the g5p to bind to those sequences ì that it prefers. These sequences are then
ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
tion efficiencies can differ greatly in their specific biological effectiveness. Some of the difference

these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio

webbases to create VoiceXML-based webbases that users can interact with through speech interface
so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
can also be used for automating verification of programs. In our approach the formal semantics
ntify the content of interest on a Web page, The user highlights that content on the web browser.
systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

ne iron at the 24-carbon of cholesterol. More complex structures are proposed that minimally per

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

s in ì the IMF, the morphology and evolution of the convection patterns ì as a function of the IMF, and t

ike WordNet; and (b) inferential mechanisms. The pragmatic knowledge has an important role in

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

third investigates the problem of data catastrophes. The fourth deals with freeware distribution fo

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of

cale structure in the charged particle velocity. This structure has been shown to be an important c
ment engineers, provide the core capability for producing the instrumentation. In addition to the
sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

nonths or more, ì such as on a trip to Mars. One possible remedy for this situation ì is to use a spent bo
nd (b) returning a satellite to Earth,thus ì minimizing orbital debris. The STEP-AIRSEDS (SA) mission w
e access to space by (a) utilizing the electrodynamic tether as an alternative to chemical based up

s evolution through time, and in particular the distribution, abundance and behavior of water. Majo
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our
gen) will be determined. When the mass spectrometer is not being used to analyze the effluents fr
University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

ption will also be examined. This study ì combines quantitative analysis with historical analysis of the ì

ı oscillations can control gene expression in cells. The ì next thrust of computational and mathematical
ct the ability of the heart to pump ì blood. To this end, we are performing numerical experiments and ì

amine them closely. Little is known about the changes ì taking place in suburbs just outside the central
omic inequlity and economic segregation on outcomes such as: ì (1) Percent of girls aged 15 to 19 year
racial and economic segregation. This research has important policy implications in view of the
ion programs authorized by this legislation. Analyses of the impact of this policy initiative are nee

he ì logic of the proposed studies is that important information about ì the mental representations and
aring impairment on speech perception. Thus the long term objective of our project of research is t
d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
articularly for phonological knowledge. The proposed research will apply a picture-word task usir

ı plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

g properties of Op-IAP mutants will be compared with ì wildtype (normal) Op-IAP to gain structural insig
ıre of the ì second BIR (BIR2) of the baculovirus Op-IAP specifies binding and ì inhibition of Reaper, G
ucture determination. We have also expressed and purified a ì fragment of the apoptosis-stimulating Hi
e IAP protein Op-IAP from the baculovirus Orgyia pseudotsugata. The structural studies in this p
and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s
Hid stimulators. The goals are to define the molecular determinants for BIR-stimulator recognition,
involved using NMR, site-directed mutagenesis, and quantitive fluorescence-based protein-binding
compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea
eat) domains found in 1-3 copies in IAPs. This proposal uses biochemical and biophysical methods
The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly bind and inhibit cas
development of new strategies to therapeutically target these proteins in order to suppress inapp
ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
ın control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

IS REGULATORS AND FUNCTION BY BINDING AND INHIBITING CASPASE PROTEASES.SE

three categories of early career scholars: post-doctoral fellows ì (new PhD's that do not hold a regular
The unifying theme of this research is the ì development of empirical evidence about school choices by
ı, high school graduation, and college attendance and completion. The additional time and fundir
)0 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

egration, ì including apraxia of speech (AOS) and oral apraxia (OA). Seven ì experiments will test the h

g to ì remove noise and artifacts, 2) extraction of various image ì features, 3) feature selection to ident

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,
affine moment invariant matching, (c) point-set and line invariant matching, and (d) geometry r

(The ì University of Alberta and Simon Fraser University), two in the ì United States (The University of
ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica
.nd making the transition to a four-year institution that ì this project addresses are: (1) monetary difficulti

ogram is designed to encourage and prepare a ì broad range of 40 to 50 young women to gain persona

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do
cal, growing self-organizing tree algorithm (HGSOT), and a modified self-organizing tree (MSOT)

data for performance improvement efforts. The research will also lead to the development and
ibility of auditory stimulus delivery and the ì detail of extracellular mapping techniques to quantify ì exp
therapy are most important for effective treatment. We will investigate the consequences of soci
al filters are precisely tuned for specific spectral and temporal features of behaviorally important v
.l circuits, to document how daily behavioral training improves cortical processing, to determine
asing the rate of cortical processing will improve the ability to respond to time-varying information.
to exaggerated speech sounds used to treat language learning impairments in children. The thir

sers with traditions, performers with compositions, and ì audiences with performances. The festival is a

ect data from virtual field trips. This program is ì designed to provide a perpetual supply of high-quality e
ry-fabricated circuits, (3) Development of an on-chip packaging architecture for highly integrated tr
c high aspect ratio microstructures directly on circuits containing substrates and/or chips. 3. De
his new approach incorporates two fundamental fabrication techniques in a complementary manner
itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

ly all of what is known about these defects in DNA structure ì is based on studies that have been carrie
onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore

ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatl

ıe analysis of the TSMP data to address GED research questions. This includes creating a data s

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

tion & forms, & to memory; and the connections & interactions among OP & OT network compone
eas in the same hemisphere which is placed higher in the hierarchy. Virtually every region of the v
ɔf motion. After training on the motion related tasks, the superior colliculus will be deactivated with

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ıgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks c
als to striate and extrastriate cortices. In contrast, in the midbrain pathway, visual signals arising f
ˈks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND
what situations do most children do well at learning both English ì and Spanish? In this project, we see
/ Gestos and Palabras y Enunciados. As part of the next phase of development of the CDI Scoring
American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to
rce, they are a factor in global climate change, and because the presence of gas hydrate distorts i

s part of a team on one of the diagnostics systems ì which is currently under development. It is likely th

(PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF
EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business perform
g scheme for document terms, such that they are representationally similar with related concepts.

n it enjoys the competitive advantage of being the only such product that is capable of understanc

RNA and then to protein by the continous synthesis of ì these molecules on linear templates. In mitocho
al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

e, and (3) minimize the amount of routine data that is usually acquired at new drilling sites in orde
low the sea floor. Co-generation of such high concentrations of these gases in marine sediments
d build consistent ontologies and knowledge bases from unstructured documents. The technical cl
istics community. In this proposal, semantic relations are the underlying relations between two c
ANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

ties. The recent availability of geo-referenced data and ì spatial analytic tools like spatial econometrics,
olicy questions, including: what are the ì best empirical measures for air pollution concentrations; what
eoffs from the explicit incorporation of space-time ì dependence in traditional air pollution "concentratio

initiative will begin the process of establishing a community of "spatially enabled" planners, poli

biology and materials chemistry. Combining the TEM and ESEM into ì one facility will enhance encount
l polymer matrices. These polymers have good film forming capabilities and previous results of PS
nneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sin

and field. Teacher teams will develop focused modules that address specific challenges to their

ennas. We plan to develop space-time codes that send non-identical information through their div
packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
ɔder. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

skew violations (integrity loss) occurring on the interconnects of high-speed SoCs. These cells mo
SoCs using FPGA tools. Our novel test methodology closes the frequency gap between ATE and c
ct noise and skew violations occurring on the interconnects of high-speed SoCs. Furthermore, a c

vill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single mo

ents ì analysis (PCA). The PCA model represents the information in ì individual faces by extracting fea
our alternative hypotheses, to create more ì distinctive facial stimuli. The effectiveness of these ì mani
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

e to trajectories of development from birth through middle childhood within the broader social ecol

d this study since its inception is extended to include new contexts associated with adolescent de
nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

generation in medical sensing. In proposal for the Welch Foundation we intend to attach chemica
ality - from a larger, heterogeneous cell population has ì widespread applications in clinical chemistry. W

propose a comprehensive investigation of nonspecific binding interactions on glass surface based

ophiolites. Curiously, in Spite of its strategic location, the ì Khoy Ophiolite has been totally ignored by

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepre

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

o several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

algorithms to transmit geospatial information over the Internet through wireless communication. T

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

on related material and train both graduate ì and undergraduate students. If the research is successful
ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory
vealed three aconitase-encoding genes. Disruption of two of ì these genes significantly impaired the syn
transport operons. We will then examine growth in situations that require arginine or putrescine. I

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female ì victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

gnosed with information on early intervention and ì educational resources; 3) to provide parents with inf

rly childhoood intervention (ECI) personnel on treatment options; 3) to educate pediatricians on tr

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
:enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

increase in the amount of video and image data that will be made ì available online. A key observation i

owser for visual content: content-based indexing and the human-computer interaction. Current res

forms, including voting, using information about disability issues to evaluate candidates, running

ography. Outline of specific activities: Teams from the two universities will visit their counterparts'
TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

definitive degree of completion. Conceptual perspectives and criteria will be applied, needed clar

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

fuzzy logic controller, robot navigation systems, real-time video conference, etc., a representation

estigating the relat- ionships among time, memory, code size and power consumption, we can der

it success in our laboratory and others, we now understand the basic chemistry and physics of gad

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd
sitioned trans- to one another over an already slowly exchanging Ln3+ -bound water molecule. U
act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

ì target self-sustained economic development and enhance quality of ì life in rural counties. The res
nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet

the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at
ssical regional economic analysis and advances in spatial analysis for the purposes of identificatic

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
of makespan, mean flow time, and weighted tardiness ì have been considered in order for the produce
will transfer the research findings, covering two different problem domains (electronics and hardv
derived from plasmid DNAs by a recombinase-mediated deletion reaction carried out on molecule
ocessing is a hallmark of nearly all tumor cells and occurs through the processive addition of telom
antle moves into the subarc wedge is important, does it produce ì a more homogeneous and depleted

her students. The UTD course will be designed as an interdisciplinary exploration of several exar

n to Dynamic Spectrum Utilization Development contract with the Defense Advanced Research Ag

f rats learning either spatial or cued maze tasks. Behavioral measures of acquisition and retentio

e and affect its electrical conductivity. The consequent changes in electrical currents into cloud
of image charge theory can be made by utilizing the exact expressions for electrical forces betwe

. This program will produce a much-needed cadre of young researchers to enhance our understa

ormation repositories on the ì Internet. Our research will consider the following problems: 1) Develop
ining, security and real-time decision support. 2. The design of fully scalable layout methods for use c

testbed with a basestation and mobiles. The testbed will have three key capabilities: (1) wide-ba
versity and space-time codes for SDMA communications, the downlink weight vector design to opti

settings: solution of SAT/MINSAT problems, solution of problems at the second level of the poly
each of which is assumed to sense and record environmental events of a particular type. In this co

vice battery power state that are critical to the interacting modules. This interaction and global pers
s or in the experimental analysis. Finally we will fine-tune these heuristics for the target applicatio
This will be the primary focus of this proposed research. Following this, as part of a post-grant res
buted Resource Utilization: Sensor resource allocation and utilization is implictly distributed in nat

orms of behavior that are more common among boys and ì social contexts where boys behavior are mo
ldren engage in and experience these behaviors and ì explore whether and when gender differences er
nd explore whether and when gender differences emerge, using multiple methods to measure soc

ıtive research techniques, such as interviews, and quantitative research in the field testing phase.

WEB LECTURE SYSTEM AND DEMONSTRATING ITS WORKING CAPABILITY.IN ADDI- TION,

esources received through the grant. With assistance from ì Reading One-to-One and Dallas Reads, th
UTD will assist with the training of tutors and evaluation of ì all levels of staff for the Yupiit School Distri
t ì Carrollton School District; (2) The UTD Reading One-to-One ì Program will assist with the training a

and remotely for our patrons by acquiring a module of our online library system, to manage and i

s (arithmetic, load/store, logical, and control transfer, etc.) and the configuration operations. (2)
VIDTH ALLOCATION AND ME TERING ARE EXPENSIVE IN TERMS OF INFRASTRUCTURE AN
E HAVE TO SPEED UP THE IMPLEMENTATION OF FUNCTIONS SUCH AS FFT, VITERBI CODE
ors for measurement and ì analysis of electrical and/or mechanical signals associated with ì normal an

efining and implementing the responsibilities of a Service Broker and a SIP user agent client (UAC

University of Texas at Dallas provides a two-day TA Orientation ì session, a seminar series on such to
ne learning can be readily applied to new understanding of protein tertiary structure and functi

i help develop the endopeptidase lysostaphin into a prophylactic ì agent for the treatment of Staphyloc
often where new "emerging" genetic systems as well as "novel model systems" are first describec

e whether or not transcriptional mutagenesis is occurring. The techniques employed consist of a
utilization of the resources provided by the organization. The ì design objective of the courseware tool
ıction with conventional bulky forms of carbon. As a result of this project we will answer the followir
ain), while leaving the other D-component neutral. We will also synthesize a selective ps-dopant-p

ler and graphical editor, is supported by the underlying graph grammars pre-defined before the ge
esign of XML-like documents and their translations between each other. We will develop a set of

euing and scheduling algorithms for an edge router. * Channel reservation, channel scheduling, opt
tation aspects of optical interconnection networks. Each design aspect of hypernetworks has a sp

t transform annd the existing transforms, such as the Laplace and z-transforms, 4) the application

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

al ì Positioning System (RTK) surveying will be integrated with ì reflectorless laser rangefinders to map

consist of nanoporous molecular sieves that have been templated around novel proton conducting

ojects involved in this multi-investigator research will result in fundamental knowledge necessary

he cell modification should add the least overhead compared to the original one while it needs to
works. The nodes in such a network will also be able to ì interface with the fixed network, thus turning th
ed to design high-performance implementations of many of the ì computational kernels in video, audio

nd quality of service (QoS) performance. This ì innovative network architecture is based on the integrat
measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann
ì for Advanced Software Engineering Research (LASER) will focus on ì solving this problem and beco
chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ
d of chemicals to contain/neutralize the chemicals, and (b) public safety organizations such as po

and who go on to graduate training in the STEM disciplines. Our ultimate goal is to increase the
of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

nstruction and improve student learning and achievement in foundational literacy and the use of c

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
ucleophilicity) of this unit is carefully controlled in proteins by the protonation state of the Cys thiol(

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

ì necessitates timely compliance in moving from birth screening to ì follow-up and intervention. Three i

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

pace and time variations associated with changes in the interplanetary medium. These changes i

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

one topic. The topics include a) neuroscience, b) cardiac ì dynamics, c) biological oscillators, d) bioin
ne ì topic. The topics include a) neuroscience, b) cardiac dynamics, ì c) biological oscillators, d) bioinfo

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

resulting instabilities affect the propagation of radio waves. The basic physical principals apply
nown. ì The EFEX mission is designed to redress this problem. By flying ì carefully designed instrumen

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a
can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac
er the network model from these. ì To overcome this scalability bottleneck, we will use the rich ì theory
bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas
nanism, e.g., line switching or path switching. According to ì the DiR concept, each connection in the lay
problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessil

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l
information. Using the results of experiments, ì UT-Dallas shall "fine tune" the aggregation approach fo
er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

d middle schools to work ì with low-performing students in the area of reading. Members ì will spend a

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

lgorithms. A low-noise error detection scheme will be studied in terms of communication theory fo

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
omLab Bench using Java programming techniques. V-ComLab Bench will be written as a ì platform

nechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

i to enhance the research capabilities and teaming of the PIs along ì with other investigators in both ac
e of oxygen gas plasma, to functionalize the surfaces in preparation for film coating; 3] Researching
ing. Such an integrated approach is absolutely necessary to achieve the best progress and insigh
the proposed research involves the holistic approach to be taken. The plasma will not simply be

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

change- point models, the change points are treated as random variables whose prior distribution is
sequence of developmental indicators will be targeted to reflect dependence across time and

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

ninimizing orbital debris. The Michigan ì Technic Corporation is the prime contractor to NASA Marshall

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

the sensor by performing laboratory tests of the instrument using ì a state-of-the-art neutral oxygen bea

At smaller scale sizes the plasma flow represents ì essentially a random walk about the bulk flow. It is
le. Thus solar cycle variations can have profound effect on the dynamics of the ionosphere. To unc
ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

operation between libraries. The objective of our proposal is three-fold: - to provide research on c

er to maintain an optical communications link. The ì development work of the first prototype will focus o

the following deficiencies: 1.Generalization to arbitrary d-clustering property: Current ì clustering alg

Research and Quality, to examine the relationship of the health status of asthmatic children to the
hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

isting approaches, will be investigated. In addition to evaluating different signaling protocols, this

ey have been implicated in critical brain functions ì including synaptic plasticity and regulation of neuro
sers. 2. To determine whether speech features modified in the absence of auditory feedback differ i

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

on the data, and also to develop the website for ì distributing the processed data in both numerical and
y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

s available. It is important that information about the new systems be obtained, especially given c
deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog
ıaracterize the nutrient flux within and out of the watershed, correlate documented changes in the
ım ì mixing and water quality. We will enlist URRB high school science ì classes to sytematically collec

substrate of multiple modules - i.e., sensing device(s), Radio Frequency (RF) transmission, MicroW

ì continue its BES involvement on a reduced scale. We will only ì choose to work on select topics of

smaller collaboration like BES provided many hands-on opportunities. For example, building and c

ve provided BABAR with tag, filter, and selection modules to facilitate this analysis. Prof Joseph M

s parents of children with disabilities at ì all levels and in all activities. The project will provide ì student
nts and toddlers in natural environments, including home, center, health care facilities and high-po

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
egulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

interfere with or modify the ì tinnitus. We will do this by the use of: 1) certain sounds- for example, s
r modify the tinnitus. We will do this by the use of: i) certain sounds- for example, sounds that can
Cretaceous had been found anywhere in the world! Partial ì excavation revealed individual vertebra e

or implementation in free-space optical channels. In particular, we characterize the performance c

e research is successful, it will not only lead to better ì techniques for atomic/molecular control but also

of reducing linear system order is called linear system ì order reduction. In this project, we shall: a) deve

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... TH

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th
understanding of PBII is developed and it can be tailored to produce the doping profiles fitting d

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.
corporation of DSPs into the senior design project, (2) the development of a course for computer s

The equipment will also be useful to a number of other groups who do research in parallel/ distribu
NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

cation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will att

uality as perceived by society. Following are the specific aims: (a) Development of statistical mode

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be

sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

tional system might facilitate later recognition of the face. In the second section, we explore whetl
the north; an E-W ì trend parallel to the Gulf of Aden in the east; and a NE-trend, ì parallel to the Main

Texas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin
s or ì weights, so it is critical for the overall network performance ì how the various performance metric
adaptivity, on top of existing MAC protocols. Specifically we ì will research a method, whose roots are in
C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols
< costs, via a special weighted combination of metrics with dynamically adjusted weights. Since
network. (3) Extensive experimentation with a large number of real routing protocols to capture ar
GMPLS will play an important role as a unified control plane. One of the major concerns then be

ent FM devices. Speech recognition abilities of older children that are able to repeat words and/or

al rehabilitation; (d) participate in the publication process; ì (e) disseminate research and academic mat

lopment over a 12-month period of time. It may be that children who receive very early implantati
icula; (b) knowledge of both regular and ì specialized classroom instructional activities that stimulate ì
al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

s and literatures. Among the major features of the journal have been interviews with well-known tr

ze the application software, the operating system, the hardware, and the interaction between them.
will be provided. 2. A VPL generation framework will be proposed and a generation system w
VSVLs with an expressive power for a large range of applications , from PDA graph transformation
the solution of problems such as routing and network integrity ì (fragmentation). While this body of exis

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit

(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

se tasks from African Americans and Caucasians with and without aphasia. The three specific ain

he precedence constraints and the user's preferences. The project focuses on two core problems:

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

n risk, interdisciplinary detector and instrument technologies needed for future detectors. Our focus

il companies are our models, and displaying them in various visualization systems for analysis an

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

or their fragments and oligomers structures and facilitate separation of photoinduced charges and

p- and n-selective doping of organic solar cells, and the concept of p-M-n layered organic structu

no-chips. One of these methods is based on our pioneering concept of a conjugated polymer chain

ect include: (1) Integration of ASTER, RADARSAT and SRTM data for geological mapping in arid re

eptual basis for the separation of a target voice from a ì competing background voice. The central assun
l. Our preliminary findings indicate a synergistic relationship between formant shifts and fundamer
rom speech production data. There are three important reasons why the perceptual adaptation to
shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

evaluate their potential for the separation of CO2 and N2. The ì research involves a study of molecul
ditionally, hands on ì utilization of major research instrumentation such as x-ray ì diffraction, electron m
s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

es, reflecting their multi-phase behaviour, the mechanism of changing phases, the effects of seasc

on of asymptotically pointwise optimal detection rules, Bayes truncated and Bayes look-ahead

omization requirements, including platform capabilities, operating environment, and non- functional

an be addressed using standard econometric techniques. The data available for this purpose cons

emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

ad. Besides core teaching material, each course module will be supported by a dynamic web bas
is also wrong. Many modern wave-influenced deltas are asymmetric, ì with better reservoir quality sar

unctionality already placed in the monolayer and thus a different organic species could be situated

ersed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov

t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ent processing of single and multi- layer resist up to 3-3.5 micro meter, perform appropriate metrolo

ì identification and characterization of the factors that regulate ì the expression of the genes that enco
understanding how the genes that encode ì the subunits of the human mitochondrial ATP synthase con

ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under
er exposure to hypoxia. We have determined that the levels of expression of the nuclear genes tha
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
characterize the trans-acting regulatory factors that mediate the hypoxia-induced down-regulation

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

d therefore on SHRW water right, and of unexploited local source of supply in the alluvial aquifer.
ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

ling proteins have been identified in various insects. ì However, only one receptor molecule, BT-R1 from
he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers
to be ì rather simply inherited. These resistant lines have been used in ì reciprocal crosses with know
ne applications of biomolecule detection chips for monitoring human health and performance. 3.)
trix interactions within susceptible hosts. Clostridium perfringens, another spore-forming gram-po
isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

he creation of a very narrow band filter that ì has a myriad of applications. When used as a spectral sca

keyed or phase-shift-keyed signals over a broad gain spectrum that extends far beyond the erbium

using fiberoptic interconnects. Modeling will be conducted using commercially available software

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

methods and expertise drawn from nationally recognized research ì scientists representing multiple disc
on subsequent cognitive, linguistic, social, academic, and ì behavioral recovery and later development
disease-related aging processes. Our unique treatment program ì utilizes abilities that remain intact to
ì will measure the effects of our interventions on patient's ì function, communication, participation, dep
) to relate deficits of prospective memory and selective learning to measures of school, family, and
on student's learning and the need for academic change * Educates parents of the specific ways t

on of health professionals who provide geriatric care. Goal 4. Provide students with clinical trainin
THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

) students and policy makers. One negotiation simulation will place participants in decision ma

n addition the theoretical aspects of the proposed provisioning protocols, the practical implementati
and broadband networks, we will build an applications support network framework that can be eas

thesized speech), and determine whether correlations exist ì between the lower brainstem ascending ar

and prediction ì of the often severe radio scintillation effects that can ì accompany these structures. W

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
' showed that the electrons have larger cross sections for triggering the decay of spin isomers

theory of induced representations on ì indefinite inner product spaces. The second direction is of a ì m
der this action, the Kolmogorov decomposition of the kernel should give rise to a unitary represent
n, the Kolmogorov decomposition of the kernel should give rise to a unitary representation of the s
e formulated. The recent interest expressed in the mathematical aspects of quantum field theory w
ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie
the north. During such conditions it is thought that the connection between the geospace enviror
l the north. During such conditions it is thought that the connection between the geospace envir
vard the north. During such conditions it is thought that the connection between the geospace

ıs for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

:d ì "systems research approach" to achieve this goal. We will develop ì performance models for sever

ant ì ALF-containing complex is able to stabilize TATA-binding protein ì (TBP)-DNA interactions, and c
use of DNase I and chromatin immunoprecipitation assays to evaluate nucleosomal packaging at th

ons of the security system design. The methodology will have several integrated elements: First, w
ıt. The demethylase will consist of a tetra-thiolate ì zinc-binding active site incorporated into a designed
n, immobilized on a streptavidin-coated surface and used to ì select for phage displaying receptor muta
late ligand varied. The stability of the helical bundle motif will allow us to alter several structural fe
ect orientation to house a protease site. The protease site will be based on the active site of serine
er helical targets. Specific aims are: 1) establish association specificity and affinity between the

protein environment surrounding the metal-binding site. These properties will include electrostati
membrane fusion and infection of target cells. Protein-protein interactions are critical to many cel
that the reactivity profile of a Zn (II)-binding site (i.e. the relative reactivities of the Cys residues th

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to
ì of PKB in the inhibition of apoptosis/maintenance of survival in ì primary cultures of postnatal cerebe
urvival, to determine whether it is also involved in survival ì promotion by HK, cyclic AMP, and lithium, to
into the regulation of Akt. Some preliminary data we have recently generated suggests that Akt mi
hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul
ı of Akt is the result of increased mRNA/protein stability or due to increased gene transcription will l
ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma
hat is independent of COPI. There are two specific aims in this project focused on characterizing
er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

ıntries to discuss key issues. Location should be chosen to maximize representation from develo

ded ì with empirical input data. In addition, LEAD outputs will be ì carefully compared to empirical dens

Festival presenters to do joint concerts. He is a member of the roster of the Texas Touring Arts Pro

ıng of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools pro

ıt School District. Reading One-to-One master manuals will be available for duplication by Athens
serve as an on-site coordinator. In addition to the on-site coordinator, the Communication and Lea

General Studies at UTD as set forth in the above referenced project. (3) Period of Performance:
School of General Studies at UTD as set forth in the above referenced project. (3) The period of
ents written work, assessments, and tutor comments, etc. These records are kept at each school s
re asking for more part-time members. More part-time members allows us to accommodate the ne

ifically, the implementation of the state mandated Member Development and Strengthening Comm

t have been stymied by several shortcomings. An ì important one is that they have not used true randor

ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina
nt detectors, giving the time profile of the incident ì supernova neutrino flux. The energy dependence of
definitive diagnosis of the black-hole formation. 3) Studies of matter-enhanced neutrino conversion

er-survey (multiyear) absolute gravity ties; 3) Evaluation of new gravity meter technology and "real-tim
ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(
ì is intended to fund continuing involvement in the analysis of all ì the field data from experiments in 19

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

vest Egaps reported to date. We will combine ì these approaches, along with our expertise in elucidatin

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI
acilitate industrial and university R&D in solar cells/OLEDs, thermoelectrochemical cells, thermoio
ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

›here/ ionosphere/electrodynamic general circulation model (TIEGCM) to tackle this problem. Tl
·vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper
However, some companies still favor mesh ì restroration as they believe that such a restoration is more
ì Continous phase modulation (CPM) will be considered for the ì transmission of turbo coded digits. Cl
de. The ì effect of these changes is to reverse the direction of the ì electric field in the oxide, so that o›

and, 4) group language intervention (GLI). Each child will ì be randomized to one of the four interventic
ovided to children with disabilities. This study proposes a ì 4-year randomized clinical trial to compare t

path protection. (2) Restoration: investigation of distributed restoration schemes especially from

lem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (Callier Center for Communication Diso

will address two issues: 1) Develop a model of the plasma sheath during the PLAD ì implantation pr‹

use ì prior knowledge and strategies for making sense of the ì information. The goal of this research i
nd diagnostic information for use by teachers and students in the service of improving classroom ir
ne following topics will be covered in the first workshop: Bayesian Models of Human Concept Lear

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu
ider the possibility that many eukaryotic hosts could be capable of interfering with the quorum ser
molecular prerequisites necessary for the function of these ì oligosaccharides signals. The diversit
s). Furthermore, we have demonstrated that these plant-produced AHL-mimics alter the pattern o
polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

s E2 activity (Aim 2). Finally, utilizing mutagenesis experiments, we will identify the E2 and E3

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ce a week. In these meetings, she ì will join the training that the research assistants receive on an ì on
ssions and analyses during the team meetings. While being trained in advanced coding and analy
ences and which allows the g5p to bind to those sequences ì that it prefers. These sequences are then
ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
tion efficiencies can differ greatly in their specific biological effectiveness. Some of the difference

these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset (
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio

webbases to create VoiceXML-based webbases that users can interact with through speech interface
so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
ı can also be used for automating verification of programs. In our approach the formal semantics
ntify the content of interest on a Web page, The user highlights that content on the web browser.
systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

ne iron at the 24-carbon of cholesterol. More complex structures are proposed that minimally per

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

s in ì the IMF, the morphology and evolution of the convection patterns ì as a function of the IMF, and t

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

third investigates the problem of data catastrophes. The fourth deals with freeware distribution fo

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of

cale structure in the charged particle velocity. This structure has been shown to be an important c
ment engineers, provide the core capability for producing the instrumentation. In addition to the
sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

nonths or more, ì such as on a trip to Mars. One possible remedy for this situation ì is to use a spent bo
nd (b) returning a satellite to Earth,thus ì minimizing orbital debris. The STEP-AIRSEDS (SA) mission w
e access to space by (a) utilizing the electrodynamic tether as an alternative to chemical based up

s evolution through time, and in particular the distribution, abundance and behavior of water. Majo
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our
gen) will be determined. When the mass spectrometer is not being used to analyze the effluents fr
University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

ption will also be examined. This study ì combines quantitative analysis with historical analysis of the ì

ct the ability of the heart to pump ì blood. To this end, we are performing numerical experiments and ì

omic inequlity and economic segregation on outcomes such as: ì (1) Percent of girls aged 15 to 19 year
racial and economic segregation. This research has important policy implications in view of the
ion programs authorized by this legislation. Analyses of the impact of this policy initiative are nee

he ì logic of the proposed studies is that important information about ì the mental representations and
aring impairment on speech perception. Thus the long term objective of our project of research is t
d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
articularly for phonological knowledge. The proposed research will apply a picture-word task usir

n plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

g properties of Op-IAP mutants will be compared with ì wildtype (normal) Op-IAP to gain structural insig
ure of the ì second BIR (BIR2) of the baculovirus Op-IAP specifies binding and ì inhibition of Reaper, G
ucture determination. We have also expressed and purified a ì fragment of the apoptosis-stimulating Hi
e IAP protein Op-IAP from the baculovirus Orgyia pseudotsugata. The structural studies in this p
and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s
Hid stimulators. The goals are to define the molecular determinants for BIR-stimulator recognition,
involved using NMR, site-directed mutagenesis, and quantitive fluorescence-based protein-binding
compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea
eat) domains found in 1-3 copies in IAPs. This proposal uses biochemical and biophysical methods
The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly bind and inhibit cas
development of new strategies to therapeutically target these proteins in order to suppress inapp
ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
n control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

IS REGULATORS AND FUNCTION BY BINDING AND INHIBITING CASPASE PROTEASES.SE

three categories of early career scholars: post-doctoral fellows ì (new PhD's that do not hold a regular
The unifying theme of this research is the ì development of empirical evidence about school choices by
n, high school graduation, and college attendance and completion. The additional time and fundir
00 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

egration, ì including apraxia of speech (AOS) and oral apraxia (OA). Seven ì experiments will test the h

g to ì remove noise and artifacts, 2) extraction of various image ì features, 3) feature selection to ident

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,
affine moment invariant matching, (c) point-set and line invariant matching, and (d) geometry r

(The ì University of Alberta and Simon Fraser University), two in the ì United States (The University of
ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica
.nd making the transition to a four-year institution that ì this project addresses are: (1) monetary difficulti

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do
cal, growing self-organizing tree algorithm (HGSOT), and a modified self-organizing tree (MSOT)

data for performance improvement efforts. The research will also lead to the development and
ibility of auditory stimulus delivery and the ì detail of extracellular mapping techniques to quantify ì exp
therapy are most important for effective treatment. We will investigate the consequences of soci
al filters are precisely tuned for specific spectral and temporal features of behaviorally important v
l circuits, to document how daily behavioral training improves cortical processing, to determine
asing the rate of cortical processing will improve the ability to respond to time-varying information.
to exaggerated speech sounds used to treat language learning impairments in children. The thir

sers with traditions, performers with compositions, and ì audiences with performances. The festival is a

ect data from virtual field trips. This program is ì designed to provide a perpetual supply of high-quality e
ry-fabricated circuits, (3) Development of an on-chip packaging architecture for highly integrated tr
c high aspect ratio microstructures directly on circuits containing substrates and/or chips. 3. De
his new approach incorporates two fundamental fabrication techniques in a complementary manner
itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

ly all of what is known about these defects in DNA structure ì is based on studies that have been carrie
onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore

ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatl

ıe analysis of the TSMP data to address GED research questions. This includes creating a data s

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

tion & forms, & to memory; and the connections & interactions among OP & OT network compone
eas in the same hemisphere which is placed higher in the hierarchy. Virtually every region of the v
ɔf motion. After training on the motion related tasks, the superior colliculus will be deactivated with

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ıgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks c
als to striate and extrastriate cortices. In contrast, in the midbrain pathway, visual signals arising f
ˈks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND
what situations do most children do well at learning both English ì and Spanish? In this project, we see
/ Gestos and Palabras y Enunciados. As part of the next phase of development of the CDI Scoring
American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to

as part of a team on one of the diagnostics systems ì which is currently under development. It is likely th

F (PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF T
F EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business perform
g scheme for document terms, such that they are representationally similar with related concepts.

n it enjoys the competitive advantage of being the only such product that is capable of understanc

RNA and then to protein by the continous synthesis of ì these molecules on linear templates. In mitocho
al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

elow the sea floor. Co-generation of such high concentrations of these gases in marine sediments

uistics community. In this proposal, semantic relations are the underlying relations between two c
MANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of S
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

ties. The recent availability of geo-referenced data and ì spatial analytic tools like spatial econometrics,
policy questions, including: what are the ì best empirical measures for air pollution concentrations; what
eoffs from the explicit incorporation of space-time ì dependence in traditional air pollution "concentratior

biology and materials chemistry. Combining the TEM and ESEM into ì one facility will enhance encount
l polymer matrices. These polymers have good film forming capabilities and previous results of PS
unneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sing

and field. Teacher teams will develop focused modules that address specific challenges to their

ennas. We plan to develop space-time codes that send non-identical information through their div
packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
ɔder. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

skew violations (integrity loss) occurring on the interconnects of high-speed SoCs. These cells mo
SoCs using FPGA tools. Our novel test methodology closes the frequency gap between ATE and c
ct noise and skew violations occurring on the interconnects of high-speed SoCs. Furthermore, a c

vill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single mo

ents ì analysis (PCA). The PCA model represents the information in ì individual faces by extracting fea
our alternative hypotheses, to create more ì distinctive facial stimuli. The effectiveness of these ì mani
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

e to trajectories of development from birth through middle childhood within the broader social ecol

d this study since its inception is extended to include new contexts associated with adolescent de
nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

generation in medical sensing. In proposal for the Welch Foundation we intend to attach chemica
ality - from a larger, heterogeneous cell population has ì widespread applications in clinical chemistry. W

propose a comprehensive investigation of nonspecific binding interactions on glass surface based

ophiolites. Curiously, in Spite of its strategic location, the ì Khoy Ophiolite has been totally ignored by

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepre

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

o several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

algorithms to transmit geospatial information over the Internet through wireless communication. T

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

on related material and train both graduate ì and undergraduate students. If the research is successful
ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory
vealed three aconitase-encoding genes. Disruption of two of ì these genes significantly impaired the syn
transport operons. We will then examine growth in situations that require arginine or putrescine. I

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female ì victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

gnosed with information on early intervention and ì educational resources; 3) to provide parents with inf

rly childhoood intervention (ECI) personnel on treatment options; 3) to educate pediatricians on tr

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
:enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

increase in the amount of video and image data that will be made ì available online. A key observation i

owser for visual content: content-based indexing and the human-computer interaction. Current res

forms, including voting, using information about disability issues to evaluate candidates, running

ography. Outline of specific activities: Teams from the two universities will visit their counterparts'
TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

definitive degree of completion. Conceptual perspectives and criteria will be applied, needed clar

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

fuzzy logic controller, robot navigation systems, real-time video conference, etc., a representation

estigating the relat- ionships among time, memory, code size and power consumption, we can der

it success in our laboratory and others, we now understand the basic chemistry and physics of gad

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd
sitioned trans- to one another over an already slowly exchanging Ln3+ -bound water molecule. U
act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet

the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at
ssical regional economic analysis and advances in spatial analysis for the purposes of identificatic

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
of makespan, mean flow time, and weighted tardiness ì have been considered in order for the produce
will transfer the research findings, covering two different problem domains (electronics and hardw
derived from plasmid DNAs by a recombinase-mediated deletion reaction carried out on molecule
ocessing is a hallmark of nearly all tumor cells and occurs through the processive addition of telom
antle moves into the subarc wedge is important, does it produce ì a more homogeneous and depleted

her students. The UTD course will be designed as an interdisciplinary exploration of several exar

n to Dynamic Spectrum Utilization Development contract with the Defense Advanced Research Ag

f rats learning either spatial or cued maze tasks. Behavioral measures of acquisition and retentio

e and affect its electrical conductivity. The consequent changes in electrical currents into cloud
of image charge theory can be made by utilizing the exact expressions for electrical forces betwe

. This program will produce a much-needed cadre of young researchers to enhance our understa

ormation repositories on the ì Internet. Our research will consider the following problems: 1) Develop
ining, security and real-time decision support. 2. The design of fully scalable layout methods for use c

testbed with a basestation and mobiles. The testbed will have three key capabilities: (1) wide-ba
versity and space-time codes for SDMA communications, the downlink weight vector design to opti

settings: solution of SAT/MINSAT problems, solution of problems at the second level of the poly
each of which is assumed to sense and record environmental events of a particular type. In this co

vice battery power state that are critical to the interacting modules. This interaction and global pers
s or in the experimental analysis. Finally we will fine-tune these heuristics for the target applicatio
This will be the primary focus of this proposed research. Following this, as part of a post-grant res
buted Resource Utilization: Sensor resource allocation and utilization is implictly distributed in nat

orms of behavior that are more common among boys and ì social contexts where boys behavior are mo
ldren engage in and experience these behaviors and ì explore whether and when gender differences er
nd explore whether and when gender differences emerge, using multiple methods to measure soc

ıtive research techniques, such as interviews, and quantitative research in the field testing phase.

WEB LECTURE SYSTEM AND DEMONSTRATING ITS WORKING CAPABILITY.IN ADDI- TION,

esources received through the grant. With assistance from ì Reading One-to-One and Dallas Reads, th
UTD will assist with the training of tutors and evaluation of ì all levels of staff for the Yupiit School Distri
t ì Carrollton School District; (2) The UTD Reading One-to-One ì Program will assist with the training a

and remotely for our patrons by acquiring a module of our online library system, to manage and i

s (arithmetic, load/store, logical, and control transfer, etc.) and the configuration operations. (2)
VIDTH ALLOCATION AND ME TERING ARE EXPENSIVE IN TERMS OF INFRASTRUCTURE AN

ors for measurement and ì analysis of electrical and/or mechanical signals associated with ì normal an

University of Texas at Dallas provides a two-day TA Orientation ì session, a seminar series on such to
ne learning can be readily applied to new understanding of protein tertiary structure and functi

often where new "emerging" genetic systems as well as "novel model systems" are first describec

e whether or not transcriptional mutagenesis is occurring. The techniques employed consist of a
utilization of the resources provided by the organization. The ì design objective of the courseware tool
ıction with conventional bulky forms of carbon. As a result of this project we will answer the followir
ain), while leaving the other D-component neutral. We will also synthesize a selective ps-dopant-p

ler and graphical editor, is supported by the underlying graph grammars pre-defined before the ge
esign of XML-like documents and their translations between each other. We will develop a set of

euing and scheduling algorithms for an edge router. * Channel reservation, channel scheduling, opt
tation aspects of optical interconnection networks. Each design aspect of hypernetworks has a sp

t transform annd the existing transforms, such as the Laplace and z-transforms, 4) the application

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

al ì Positioning System (RTK) surveying will be integrated with ì reflectorless laser rangefinders to map

consist of nanoporous molecular sieves that have been templated around novel proton conducting

ojects involved in this multi-investigator research will result in fundamental knowledge necessary

he cell modification should add the least overhead compared to the original one while it needs to
works. The nodes in such a network will also be able to ì interface with the fixed network, thus turning th
ed to design high-performance implementations of many of the ì computational kernels in video, audio

nd quality of service (QoS) performance. This ì innovative network architecture is based on the integrat
measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann
ì for Advanced Software Engineering Research (LASER) will focus on ì solving this problem and beco
chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ
d of chemicals to contain/neutralize the chemicals, and (b) public safety organizations such as po

and who go on to graduate training in the STEM disciplines. Our ultimate goal is to increase the
of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U
ucleophilicity) of this unit is carefully controlled in proteins by the protonation state of the Cys thiol(

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

ì necessitates timely compliance in moving from birth screening to ì follow-up and intervention. Three i

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

pace and time variations associated with changes in the interplanetary medium. These changes i

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

one topic. The topics include a) neuroscience, b) cardiac ì dynamics, c) biological oscillators, d) bioin
ne ì topic. The topics include a) neuroscience, b) cardiac dynamics, ì c) biological oscillators, d) bioinfo

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

resulting instabilities affect the propagation of radio waves. The basic physical principals apply
nown. ì The EFEX mission is designed to redress this problem. By flying ì carefully designed instrumen

can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac
er the network model from these. ì To overcome this scalability bottleneck, we will use the rich ì theory
bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas
nanism, e.g., line switching or path switching. According to ì the DiR concept, each connection in the lay
problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessil

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l
information. Using the results of experiments, ì UT-Dallas shall "fine tune" the aggregation approach fo
er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

ıechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

i to enhance the research capabilities and teaming of the PIs along ì with other investigators in both ac
e of oxygen gas plasma, to functionalize the surfaces in preparation for film coating; 3] Researching
ing. Such an integrated approach is absolutely necessary to achieve the best progress and insigh
the proposed research involves the holistic approach to be taken. The plasma will not simply be

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

:hange- point models, the change points are treated as random variables whose prior distribution is
sequence of developmental indicators will be targeted to reflect dependence across time and

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

ninimizing orbital debris. The Michigan ì Technic Corporation is the prime contractor to NASA Marshall

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

the sensor by performing laboratory tests of the instrument using ì a state-of-the-art neutral oxygen bea

At smaller scale sizes the plasma flow represents ì essentially a random walk about the bulk flow. It is
le. Thus solar cycle variations can have profound effect on the dynamics of the ionosphere. To un
ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

operation between libraries. The objective of our proposal is three-fold: - to provide research on c

the following deficiencies: 1.Generalization to arbitrary d-clustering property: Current ì clustering alg

Research and Quality, to examine the relationship of the health status of asthmatic children to the
hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

isting approaches, will be investigated. In addition to evaluating different signaling protocols, this

ey have been implicated in critical brain functions ì including synaptic plasticity and regulation of neuro
sers. 2. To determine whether speech features modified in the absence of auditory feedback differ i

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

on the data, and also to develop the website for ì distributing the processed data in both numerical and
y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog

ım ì mixing and water quality. We will enlist URRB high school science ì classes to sytematically collec

substrate of multiple modules - i.e., sensing device(s), Radio Frequency (RF) transmission, MicroW

smaller collaboration like BES provided many hands-on opportunities. For example, building and c

ve provided BABAR with tag, filter, and selection modules to facilitate this analysis. Prof Joseph M

s parents of children with disabilities at ì all levels and in all activities. The project will provide ì student
nts and toddlers in natural environments, including home, center, health care facilities and high-po

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
egulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

interfere with or modify the ì tinnitus. We will do this by the use of: 1) certain sounds- for example, s
r modify the tinnitus. We will do this by the use of: i) certain sounds- for example, sounds that can
Cretaceous had been found anywhere in the world! Partial ì excavation revealed individual vertebra e

or implementation in free-space optical channels. In particular, we characterize the performance c

e research is successful, it will not only lead to better ì techniques for atomic/molecular control but also

of reducing linear system order is called linear system ì order reduction. In this project, we shall: a) deve

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... TH

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th
understanding of PBII is developed and it can be tailored to produce the doping profiles fitting d

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.
corporation of DSPs into the senior design project, (2) the development of a course for computer s

NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

ation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will att

uality as perceived by society. Following are the specific aims: (a) Development of statistical mode

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be

sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

tional system might facilitate later recognition of the face. In the second section, we explore whetl
the north; an E-W ì trend parallel to the Gulf of Aden in the east; and a NE-trend, ì parallel to the Main

Texas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin
s or ì weights, so it is critical for the overall network performance ì how the various performance metric
adaptivity, on top of existing MAC protocols. Specifically we ì will research a method, whose roots are in
C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols
< costs, via a special weighted combination of metrics with dynamically adjusted weights. Since
network. (3) Extensive experimentation with a large number of real routing protocols to capture ar
GMPLS will play an important role as a unified control plane. One of the major concerns then be

ent FM devices. Speech recognition abilities of older children that are able to repeat words and/or

al rehabilitation; (d) participate in the publication process; ì (e) disseminate research and academic mat

lopment over a 12-month period of time. It may be that children who receive very early implantati
icula; (b) knowledge of both regular and ì specialized classroom instructional activities that stimulate ì
al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

s and literatures. Among the major features of the journal have been interviews with well-known tr

ze the application software, the operating system, the hardware, and the interaction between them.
will be provided. 2. A VPL generation framework will be proposed and a generation system w
DSVLs with an expressive power for a large range of applications , from PDA graph transformation
the solution of problems such as routing and network integrity ì (fragmentation). While this body of exis

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit

(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

il companies are our models, and displaying them in various visualization systems for analysis an

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

or their fragments and oligomers structures and facilitate separation of photoinduced charges and

ect include: (1) Integration of ASTER, RADARSAT and SRTM data for geological mapping in arid re

eptual basis for the separation of a target voice from a competing background voice. The central assun
l. Our preliminary findings indicate a synergistic relationship between formant shifts and fundamer
rom speech production data. There are three important reasons why the perceptual adaptation to
shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

evaluate their potential for the separation of CO_2 and N_2. The research involves a study of molecul

s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

es, reflecting their multi-phase behaviour, the mechanism of changing phases, the effects of seasc

on of asymptotically pointwise optimal detection rules, Bayes truncated and Bayes look-ahead

omization requirements, including platform capabilities, operating environment, and non- functional

an be addressed using standard econometric techniques. The data available for this purpose cons

emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

ad. Besides core teaching material, each course module will be supported by a dynamic web bas
is also wrong. Many modern wave-influenced deltas are asymmetric, ì with better reservoir quality sar

unctionality already placed in the monolayer and thus a different organic species could be situated

ersed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov

t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ì identification and characterization of the factors that regulate ì the expression of the genes that enco
understanding how the genes that encode ì the subunits of the human mitochondrial ATP synthase con

ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under
er exposure to hypoxia. We have determined that the levels of expression of the nuclear genes tha
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
cis-acting regulatory sequences that mediate the hypoxia-induced down-regulation of the ATPA,
characterize the trans-acting regulatory factors that mediate the hypoxia-induced down-regulation

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

d therefore on SHRW water right, and of unexploited local source of supply in the alluvial aquifer.
ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

ling proteins have been identified in various insects. ì However, only one receptor molecule, BT-R1 from
he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers
to be ì rather simply inherited. These resistant lines have been used in ì reciprocal crosses with know

trix interactions within susceptible hosts. Clostridium perfringens, another spore-forming gram-po
isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

he creation of a very narrow band filter that ì has a myriad of applications. When used as a spectral sca

keyed or phase-shift-keyed signals over a broad gain spectrum that extends far beyond the erbium

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

methods and expertise drawn from nationally recognized research ì scientists representing multiple disc
on subsequent cognitive, linguistic, social, academic, and ì behavioral recovery and later development
disease-related aging processes. Our unique treatment program ì utilizes abilities that remain intact to

on of health professionals who provide geriatric care. Goal 4. Provide students with clinical trainir
THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

) students and policy makers. One negotiation simulation will place participants in decision ma

n addition the theoretical aspects of the proposed provisioning protocols, the practical implementati
and broadband networks, we will build an applications support network framework that can be eas

thesized speech), and determine whether correlations exist ì between the lower brainstem ascending ar

and prediction ì of the often severe radio scintillation effects that can ì accompany these structures. W

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
showed that the electrons have larger cross sections for triggering the decay of spin isomers

theory of induced representations on ì indefinite inner product spaces. The second direction is of a ì m
der this action, the Kolmogorov decomposition of the kernel should give rise to a unitary represent
n, the Kolmogorov decomposition of the kernel should give rise to a unitary representation of the s

ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie

is for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

:d ì "systems research approach" to achieve this goal. We will develop ì performance models for sever

ant ì ALF-containing complex is able to stabilize TATA-binding protein ì (TBP)-DNA interactions, and c

ons of the security system design. The methodology will have several integrated elements: First, v
ıt. The demethylase will consist of a tetra-thiolate ì zinc-binding active site incorporated into a designed
n, immobilized on a streptavidin-coated surface and used to ì select for phage displaying receptor muta
late ligand varied. The stability of the helical bundle motif will allow us to alter several structural fe
·ect orientation to house a protease site. The protease site will be based on the active site of serine

: protein environment surrounding the metal-binding site. These properties will include electrostati
membrane fusion and infection of target cells. Protein-protein interactions are critical to many cel
that the reactivity profile of a Zn (II)-binding site (i.e. the relative reactivities of the Cys residues th

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to
ì of PKB in the inhibition of apoptosis/maintenance of survival in ì primary cultures of postnatal cerebe

into the regulation of Akt. Some preliminary data we have recently generated suggests that Akt mi
hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul

:ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma

er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

ıntries to discuss key issues. Location should be chosen to maximize representation from develo

ded ì with empirical input data. In addition, LEAD outputs will be ì carefully compared to empirical dens

ıng of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools pro

ıt School District. Reading One-to-One master manuals will be available for duplication by Athens

General Studies at UTD as set forth in the above referenced project. (3) Period of Performance:
School of General Studies at UTD as set forth in the above referenced project. (3) The period of
ents written work, assessments, and tutor comments, etc. These records are kept at each school s
re asking for more part-time members. More part-time members allows us to accommodate the ne

t have been stymied by several shortcomings. An ì important one is that they have not used true randor

ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina
nt detectors, giving the time profile of the incident ì supernova neutrino flux. The energy dependence of

ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(
ì is intended to fund continuing involvement in the analysis of all ì the field data from experiments in 19

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI
acilitate industrial and university R&D in solar cells/OLEDs, thermoelectrochemical cells, thermoio
ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper
However, some companies still favor mesh ì restroration as they believe that such a restoration is more
ì Continous phase modulation (CPM) will be considered for the ì transmission of turbo coded digits. CI
de. The ì effect of these changes is to reverse the direction of the ì electric field in the oxide, so that o›

and, 4) group language intervention (GLI). Each child will ì be randomized to one of the four interventic
ovided to children with disabilities. This study proposes a ì 4-year randomized clinical trial to compare t

path protection. (2) Restoration: investigation of distributed restoration schemes especially from

lem-tinnitus at the Callier Tinnitus and Hyperacusis Clinic (Callier Center for Communication Diso

will address two issues: 1) Develop a model of the plasma sheath during the PLAD ì implantation pr

use ì prior knowledge and strategies for making sense of the ì information. The goal of this research i
nd diagnostic information for use by teachers and students in the service of improving classroom ir
ne following topics will be covered in the first workshop: Bayesian Models of Human Concept Lear

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu

molecular prerequisites necessary for the function of these ì oligosaccharides signals. The diversit
s). Furthermore, we have demonstrated that these plant-produced AHL-mimics alter the pattern o
· polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ce a week. In these meetings, she ì will join the training that the research assistants receive on an ì on

ences and which allows the g5p to bind to those sequences ì that it prefers. These sequences are then
ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
ation efficiencies can differ greatly in their specific biological effectiveness. Some of the difference

these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset (
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio

webbases to create VoiceXML-based webbases that users can interact with through speech interface
so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
ı can also be used for automating verification of programs. In our approach the formal semantics
ntify the content of interest on a Web page, The user highlights that content on the web browser.
systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

third investigates the problem of data catastrophes. The fourth deals with freeware distribution fo

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of

cale structure in the charged particle velocity. This structure has been shown to be an important c

sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

nonths or more, ì such as on a trip to Mars. One possible remedy for this situation ì is to use a spent bo
nd (b) returning a satellite to Earth,thus ì minimizing orbital debris. The STEP-AIRSEDS (SA) mission w
e access to space by (a) utilizing the electrodynamic tether as an alternative to chemical based up

s evolution through time, and in particular the distribution, abundance and behavior of water. Majo
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our

University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

ption will also be examined. This study ì combines quantitative analysis with historical analysis of the ì

ct the ability of the heart to pump ì blood. To this end, we are performing numerical experiments and ì

racial and economic segregation. This research has important policy implications in view of the
ion programs authorized by this legislation. Analyses of the impact of this policy initiative are nee

he ì logic of the proposed studies is that important information about ì the mental representations and
aring impairment on speech perception. Thus the long term objective of our project of research is t
d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
articularly for phonological knowledge. The proposed research will apply a picture-word task usir

plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

re of the ì second BIR (BIR2) of the baculovirus Op-IAP specifies binding and ì inhibition of Reaper, G
ucture determination. We have also expressed and purified a ì fragment of the apoptosis-stimulating Hi
e IAP protein Op-IAP from the baculovirus Orgyia pseudotsugata. The structural studies in this p
and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s
lid stimulators. The goals are to define the molecular determinants for BIR-stimulator recognition,

compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea
eat) domains found in 1-3 copies in IAPs. This proposal uses biochemical and biophysical methods
The IAP (Inhibitor of Apoptosis) proteins are found in all animals and directly bind and inhibit cas
development of new strategies to therapeutically target these proteins in order to suppress inapp
ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
n control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

IS REGULATORS AND FUNCTION BY BINDING AND INHIBITING CASPASE PROTEASES.SE

three categories of early career scholars: post-doctoral fellows ì (new PhD's that do not hold a regular
The unifying theme of this research is the ì development of empirical evidence about school choices by
, high school graduation, and college attendance and completion. The additional time and fundir
0 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

egration, ì including apraxia of speech (AOS) and oral apraxia (OA). Seven ì experiments will test the h

g to ì remove noise and artifacts, 2) extraction of various image ì features, 3) feature selection to ident

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,
affine moment invariant matching, (c) point-set and line invariant matching, and (d) geometry r

(The ì University of Alberta and Simon Fraser University), two in the ì United States (The University of
ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica
.nd making the transition to a four-year institution that ì this project addresses are: (1) monetary difficulti

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do
cal, growing self-organizing tree algorithm (HGSOT), and a modified self-organizing tree (MSOT)

data for performance improvement efforts. The research will also lead to the development and
ibility of auditory stimulus delivery and the ì detail of extracellular mapping techniques to quantify ì exp
therapy are most important for effective treatment. We will investigate the consequences of soci
al filters are precisely tuned for specific spectral and temporal features of behaviorally important v

to exaggerated speech sounds used to treat language learning impairments in children. The thir

sers with traditions, performers with compositions, and ì audiences with performances. The festival is a

ic high aspect ratio microstructures directly on circuits containing substrates and/or chips. 3. De
his new approach incorporates two fundamental fabrication techniques in a complementary manner
itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

ly all of what is known about these defects in DNA structure ì is based on studies that have been carrie
onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore

ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatl

ıe analysis of the TSMP data to address GED research questions. This includes creating a data s

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

eas in the same hemisphere which is placed higher in the hierarchy. Virtually every region of the v
ɔf motion. After training on the motion related tasks, the superior colliculus will be deactivated with

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ıgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks c
als to striate and extrastriate cortices. In contrast, in the midbrain pathway, visual signals arising f
·ks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND
what situations do most children do well at learning both English ì and Spanish? In this project, we see
/ Gestos and Palabras y Enunciados. As part of the next phase of development of the CDI Scoring
American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to

as part of a team on one of the diagnostics systems ì which is currently under development. It is likely th

F (PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF T
F EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business performa
g scheme for document terms, such that they are representationally similar with related concepts.

n it enjoys the competitive advantage of being the only such product that is capable of understanc

RNA and then to protein by the continous synthesis of ì these molecules on linear templates. In mitocho
al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

uistics community. In this proposal, semantic relations are the underlying relations between two c
MANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of S
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

ties. The recent availability of geo-referenced data and ì spatial analytic tools like spatial econometrics,
policy questions, including: what are the ì best empirical measures for air pollution concentrations; what
eoffs from the explicit incorporation of space-time ì dependence in traditional air pollution "concentratior

biology and materials chemistry. Combining the TEM and ESEM into ì one facility will enhance encount
l polymer matrices. These polymers have good film forming capabilities and previous results of PS
unneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sing

and field. Teacher teams will develop focused modules that address specific challenges to their

ennas. We plan to develop space-time codes that send non-identical information through their div
packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
ɔder. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

skew violations (integrity loss) occurring on the interconnects of high-speed SoCs. These cells mo
SoCs using FPGA tools. Our novel test methodology closes the frequency gap between ATE and c
ct noise and skew violations occurring on the interconnects of high-speed SoCs. Furthermore, a co

vill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single mo

ents ì analysis (PCA). The PCA model represents the information in ì individual faces by extracting fea
our alternative hypotheses, to create more ì distinctive facial stimuli. The effectiveness of these ì mani
ent ì presentation types. The second series of experiments will provide ì data for human recognition wh

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

generation in medical sensing. In proposal for the Welch Foundation we intend to attach chemica
ality - from a larger, heterogeneous cell population has ì widespread applications in clinical chemistry. W

propose a comprehensive investigation of nonspecific binding interactions on glass surface based

ophiolites. Curiously, in Spite of its strategic location, the ì Khoy Ophiolite has been totally ignored by

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepre

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

o several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

algorithms to transmit geospatial information over the Internet through wireless communication. T

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

on related material and train both graduate ì and undergraduate students. If the research is successful
ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory
vealed three aconitase-encoding genes. Disruption of two of ì these genes significantly impaired the syn
transport operons. We will then examine growth in situations that require arginine or putrescine. I

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female ì victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

gnosed with information on early intervention and ì educational resources; 3) to provide parents with inf

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
:enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

increase in the amount of video and image data that will be made ì available online. A key observation i

owser for visual content: content-based indexing and the human-computer interaction. Current res

forms, including voting, using information about disability issues to evaluate candidates, running

ography. Outline of specific activities: Teams from the two universities will visit their counterparts'
TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

fuzzy logic controller, robot navigation systems, real-time video conference, etc., a representation

estigating the relat- ionships among time, memory, code size and power consumption, we can der

it success in our laboratory and others, we now understand the basic chemistry and physics of gad

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd
sitioned trans- to one another over an already slowly exchanging Ln3+ -bound water molecule. U
act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet

the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at
ssical regional economic analysis and advances in spatial analysis for the purposes of identificatic

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
of makespan, mean flow time, and weighted tardiness ì have been considered in order for the produce
will transfer the research findings, covering two different problem domains (electronics and hardv

ocessing is a hallmark of nearly all tumor cells and occurs through the processive addition of telom
antle moves into the subarc wedge is important, does it produce ì a more homogeneous and depleted

her students. The UTD course will be designed as an interdisciplinary exploration of several exar

ı to Dynamic Spectrum Utilization Development contract with the Defense Advanced Research Ag

f rats learning either spatial or cued maze tasks. Behavioral measures of acquisition and retentio

and affect its electrical conductivity. The consequent changes in electrical currents into cloud
of image charge theory can be made by utilizing the exact expressions for electrical forces betwe

. This program will produce a much-needed cadre of young researchers to enhance our understa

ormation repositories on the ì Internet. Our research will consider the following problems: 1) Develop

testbed with a basestation and mobiles. The testbed will have three key capabilities: (1) wide-ba
versity and space-time codes for SDMA communications, the downlink weight vector design to opti

settings: solution of SAT/MINSAT problems, solution of problems at the second level of the poly
each of which is assumed to sense and record environmental events of a particular type. In this co

s or in the experimental analysis. Finally we will fine-tune these heuristics for the target applicatio
This will be the primary focus of this proposed research. Following this, as part of a post-grant re
outed Resource Utilization: Sensor resource allocation and utilization is implictly distributed in nat

orms of behavior that are more common among boys and ì social contexts where boys behavior are mo
ldren engage in and experience these behaviors and ì explore whether and when gender differences e
nd explore whether and when gender differences emerge, using multiple methods to measure soc

WEB LECTURE SYSTEM AND DEMONSTRATING ITS WORKING CAPABILITY.IN ADDI- TION,

UTD will assist with the training of tutors and evaluation of ì all levels of staff for the Yupiit School Distri
t ì Carrollton School District; (2) The UTD Reading One-to-One ì Program will assist with the training a

and remotely for our patrons by acquiring a module of our online library system, to manage and i

s (arithmetic, load/store, logical, and control transfer, etc.) and the configuration operations. (2)

ors for measurement and ì analysis of electrical and/or mechanical signals associated with ì normal an

University of Texas at Dallas provides a two-day TA Orientation ì session, a seminar series on such to
ne learning can be readily applied to new understanding of protein tertiary structure and functi

often where new "emerging" genetic systems as well as "novel model systems" are first describec

e whether or not transcriptional mutagenesis is occurring. The techniques employed consist of a
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esign of XML-like documents and their translations between each other. We will develop a set of

euing and scheduling algorithms for an edge router. * Channel reservation, channel scheduling, opt
tation aspects of optical interconnection networks. Each design aspect of hypernetworks has a sp

t transform annd the existing transforms, such as the Laplace and z-transforms, 4) the application

e will use Shuttle Radar Topography Mission (SRTM) data, both single- and repeat- path interf
e also potentially provide an important record of mid-Neoproterozoic earth history. Previous studie
and what part of this is seismically active? and 2) What is the distribution of faults and other neo

y Drs. James Bartlett, Herve' Abdi and Emily Tobey at UT Dallas in consultation with Dr. Fair and

consist of nanoporous molecular sieves that have been templated around novel proton conducting

ojects involved in this multi-investigator research will result in fundamental knowledge necessary

ed to design high-performance implementations of many of the ì computational kernels in video, audio

measured by the telecommunications industry (between 1985 and 1996) to be $2.5 billion ann

chniques spans three dimensions: 1. Ontology-based repository. We use the information onto

est of this concept, amino acids will be placed at locations on the polar faces of the helices that ar
well-ordered crystalline solids; (2) alter the design of the amphiphilic helix to reduce peptide-pepti

helices or b-sheets. The objective of this project is to better understand the basic chemistry ar
the needs of the warrior. The Transformed Army equips the soldier rather than just manning equ

of available controls (Hunter, 1985). However, it must be noted that social disorganization theory
ormcement agency expert, Dr. Robert Taylor. The research team will provide measurable benefit

Differences in the midgut proteomes between S and R larvae will be determined at individual protei
significant decrease in the expression of chymotrypsin-like protease and noticeable increases in

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

adigms. The approach, called the COTS-Aware Requirements Engineering and Architecting (CAF

PLASMA DENSITY AND COMPOSITION, AND ION TEMPRATURE) FROM THE INS- TRUMENT

of components to another is done at run time without requiring the recompilation of the system. T

software/ systems address the solution for this problem by designing software that adapts itself ac

e physical sciences; 2) improve depth of understanding in the basic areas of science through class

developer-side data regarding embedded software components and supports a suite of advanced co

eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
eased expression of Akt by NF-kB is mediated during vascular angio- genesis. Whether the eleva
ound for signal processing, assembly language programming and higher-level-language programm

can be incorporated in the ST-PUMS framework. ST-PUMS framework searches the parameter spac

bility to hundreds of thousands of nodes. Our team, composed of The University of Texas at Dallas

problems through an undergraduate user friendly graphical ì interface and educational layer. An easy "
reliable access to critical information, as well in making the system flexible enough to be accessi

n into simulation, ì and the integration of simulation with network management. ì SAIC/Telcordia also l

er highly unpredictable conditions. An advantage of this framework is that it can use and combine d
d, thus making the approach practically applicable. MERIT provides a systematic and general frame

t to impurities in the feed stream. As part of this effort the high school teacher will conduct the sy

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

ıechanical systems (MEMS) technology has been introduced to radio frequency (RF) and microwa

Biotechnology: Potential & Challenge Conference that will be integrated into the summer workshop.

:hange- point models, the change points are treated as random variables whose prior distribution i
sequence of developmental indicators will be targeted to reflect dependence across time and

eventually to visual interfaces for specifying the user-interfaces, data formats, regulatory functio

) km altitude. These flows are generally seen to be primarily upward in the cusp and auroral re

text mining approaches to uncover tacit knowledge along with formal knowledge representation a

al is a strong cooperative effort between the University of Texas at Dallas (The School of Social S

ge in the solar activity level. Solar activity varies over a period of 11 years. This is called the

hildren showing poor listening skills as compared to an age-matched control group. Our experimenta

s, cochlear implants, the development of speech and language, and many other auditory system i
ıcy selectivity, and temporal following properties, and fidelity of primary auditory cortex neurons in

y similar comparison children who attend non-Child- CareGroup centers. It is expected that childr

sters-level opportunities for life-long learning. The university program coordinator will be responsi

deling regimes to provide for a definitive study. The features of our design and analysis strategie

the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
the suture change from a fold and thrust belt in the west where the suture trends E-W to a strike-sli
suture trends N-S; and (2) The change in structural style was due to both the geometry of the orog

information networks, particularly for crisis prevention and emergency response. At the network l

-Play Optical (PPO) nodes will continuously communicate with other nodes for a self- configuratio

on on galaxies that can be integrated with the rest of the lessons to further meet state curricular
BOTH TEXAS AND CALIFORNIA, REQUIRE THAT MIDDLE SCHOOL STUDENTS LEARN ABOUT S

duct such measruements to infer nonlinear elastodynamic co- efficients that enable to use the seis
n and completed over a two-year period include: (1) Phase one: (i) Preparation of a certificate and/or
roperties of Bt are encoded by extrachromosomal DNA, one of the first insecticidal genes of Bt wa
gulated markets. Rather than information brokers collecting and disseminating personal data in a

techniques. We will conduct detailed structural and lithostratigraphic field studies supported by re

ROGRESS AND TO ASSIGN ACCOUNTABILITY RATINGS TO SCHOOLS DIST- RICTS... TH

of how these wall processes feedback to the plasma chemistry and ì influence the basic properties of th

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

SING IS CURRENTLY USED TO SINTER CERAMICS AND METAK AND CARBON POWDERS.

NETs and validating them through extensive simulation and by building a prototype. 2. Dynamic

ation of this technology for the treatment of materials widely used in fiber-optic systems for tel

ave had an attendance roughly between 300 and 1000 participants. We hope that Florence will att

ions, and funding groups). Business models selected for implementation will be tracked and infor

om Gaussian based fuzzification are very promising when applied to remote sensing image file. T
) The development stages of the program construction, debugging and performance tuning will be

sed on th scalable, QoS supporting IP-over-DWDM technology. This project will investigate the

IADH and FADH2 reducing equivalents are produced in the tricarboxylic acid (TCA) cycle and ther

exas at Dallas. Carbon and sulfur isotope analyses will permit refined modeling of redox changes.
ecifically, we will study temporal and spatial expression patterns of Pcdh15 via immunohistochemis
single receiver with a feedback mechanism. The scheduling techniques will make decisions regardin

C layer, and an in-depth study of the correctness, stability, and consistency of meta-MAC protocols

lopment over a 12-month period of time. It may be that children who receive very early implantati

al curricula; (b)knowledge of both regular and specialized classroom instructional activities stimula

ze the application software, the operating system, the hardware, and the interaction between them.
ill be provided. 2. A VPL generation framework will be proposed and a generation system w

and a random access burst inbound channel. The space segment will be asssumed to be GPS wit

(especially the part that requires human interven- tion) and the sytem run time as well as its accur-

IE UTD HAS RECENTLY MADE SIGINFICANT EXPANSION OF ITS MATERIALS RESEARCH PRC
ND RESEACH-RELATED EDUC- ATION. THE NEW AND EXSITING PROGRAMS REQUIES RO

s to be ì developed and offered (via the TeleCampus) by the CSE and EE ì departments at UTA and U

eptual basis for the separation of a target voice from a competing background voice. The central assun

rom speech production data. There are three important reasons why the perceptual adaptation to shifted speech. Project 2 extends the methods of Project 1 to investigate the perceptual adaptati

s encapsulation of a well-defined metal complex during zeolite synthesis. In some cases the met

an be addressed using standard econometric techniques. The data available for this purpose cons

emic performance and antisocial behavior. Delinquents tend to get low grades and do poorly on

ad. Besides core teaching material, each course module will be supported by a dynamic web bas

unctionality already placed in the monolayer and thus a different organic species could be situated

rsed leadership population of approximaetly 14,000 employees. UTD is uniquely qualified to prov

t will enable high aspect ratio structures to be transferred into silicon and polysilicon layers. We w

ì identification and characterization of the factors that regulate ì the expression of the genes that enco

ssues have greatly different oxidative energy needs. Research in my laboratory is aimed at under

TPA). The specific aims of the work described in this proposal are: (1)to examine the kinetics of th
nplex (ATPA). Experiments are described in specific aim #1 of this proposal to examine the mole
GULATION OF THE NUCLEAR GENE THAT ENCODES THE ALPHA-SUBUNIT OF THE MAMM

ter (streams, rivers and lakes) unreliable as a source of clean drinking water, forcing dependence

he UTSW, a graduate and medical school, to The University of ì Texas at Dallas (UTD), a sister univers

isolated from midgut epithelium of R and S PBW larvae as well as examine function-based activit
ition of the individual, specific nature of an immune profile, gene predisposition and other individua
teractive learning module; and WebTeam - a technology that allows for interactive, collaborative e

number of electrodes. The Neuroscience team at UTD will surgically implant these NeuArrays into

THE SPECIFIC NEURAL MACHANISMS THAT UNDERLINE ATTENTIONAL PROBLEMS, AND
ANIPULATORS: (2) CHANGES IN SOCIAL CONGNITIVE SKILLS , INCLUDING PROCESSING OF

ons. In particular, we intend to provide solutions to the following problems: * why proposed approa

students and policy makers. One negotiation simulation will place participants in decision ma

and broadband networks, we will build an applications support network framework that can be eas

as x-rays and gamma rays, if it could be triggered. Prior to our work it had been thought to be im
showed that the electrons have larger cross sections for triggering the decay of spin isomers

ng a tree and these kind of processes are strongly related to moment problems on several non-co
E OF INTEREST DUE TO SOME SELF-SIMILARITY PROPERTIES THAT THEY COULD EXHIB

act ideas in a concrete representation and allow the ideas to be more easily communicated, revie

is for INV firms, in a joint effort with several Dallas-based business partners. Goal Three aims at

ons of the security system design. The methodology will have several integrated elements: First, v

·ect orientation to house a protease site. The protease site will be based on the active site of serine

neuropatholgies. The overall goal of this project is to utilize cultured cerebellar granule neurons to

hippocampus, and the retina are most severely affected by the Fh mutation. The objective of the
rvival are far from clear. The goal of this project is to examine the role of two known survival-regul

:ic machinery. Our hypothesis is that in the brain at early stages of development, and in all other tis
this issue. The contribution of B-Raf, Ras, & the intracellular localization of c-Raf in the neuro-
he dopaminergic neurons have already been lost. Although L-dihydroxyphenylalanine (L-DOPA)

:oxins to damage cells. An understanding of membrane traffic provides a knowledge base that ma

er is dissociated into smaller particles by peptides that are natural ligands for coatomer. Which coa

metallic nano- structures of controlled size and shape. This allows ultra sensitive control of plasm

ıng of tutors and evaluation of all levels of staff for the Oliver and Reynolds Elementary Schools prc

ıt School District. Reading One-to-One master manuals will be available for duplication by Athens

ents written work, assessments, and tutor comments, etc. These records are kept at each school s

ojectives are to reduce substance abuse and recidivism rates of program participants. A coordina

ourth phase of fieldwork and an analysis of all of the field data from experiments in 1994, 1997, 20(

COMPONENT OF THE USARRAY IN SOUTHERN CALIFORNIA.THIS MINI-COURSES, REFER

R COATINGS INFLU- ENCE CORROISION BEHAVIOR. ONE EXPECTED PAYOFF IS THE ELIMI

ODUCTS. PEMFCs THAT CAN OPERATE EFFICIENTLY ON OTHER FUELS(e.g. REFORMAT

vatory (JRO) database of incoherent scatter radar measurements of electron densities, ion temper

path protection. (2) Restoration: investigation of distributed restoration schemes especially from

nd diagnostic information for use by teachers and students in the service of improving classroom ir

I. As ì cell density increases above a threshold level, the accumulated ì autoinducers activate the resp

es ì above a threshold level, the accumulated autoinducers activate ì the response regulator, called Lu

· polysaccharide production and conjugal plasmid transfer. This proposal aims to explore how thes
east six alfalfa AHL-mimics and shown that some of them are capable of inducing or suppressing

e causes of AD. It is known that PHF are composed of a protein, tau, and that in AD patients this
r the formation of PHF? Solid phase peptide synthetic methods will be used to prepare minimal ta
and their "PHF-forming potential" will be evaluated using CD, a fluorescence-detected kinetic assa
roposal is to develop substrate specific electrochemical biosensors utilizing enzyme- and cofactor

ructures such as a hairpin or a pseudoknot to initiate cooperative binding under physiological condi

phosphorothioate-modified DNA. A thermodynamic study of g5p binding has never been undertake
ation efficiencies can differ greatly in their specific biological effectiveness. Some of the difference

these proteins by the SELEX (Systematic Evolution of Ligands by EXponential enrichment) chemica

:ations of semantics related to verification. In particular: 1. An SOS specification for a large subset
s, that will facilitate transparent, personalized, non- visual access (through phones and other audio

so work on a distributed network of shared memory mutiprocessors, such as the one owned by th
ı can also be used for automating verification of programs. In our approach the formal semantics

systems (MAS), 2) tools for verification, testing & code generation, 3) a programming infrastructu

es and new regio- and stereo-selective catalysts. An example of such a switch is hypothesized to

ing through the use of wireless network technology. Students living in UTD-owned apartments, e
CHEMICAL INFORM- ATION AND THE OTHER HAZARDOUS MATERIAL ON-LINE, FOR PLAN
S BASED ON CONSTRUCTED ACCIDENTS SCNARIOS, AND APPRPRIATE WAYS TO USE HA

ecraft ì path down to a scale size of 10m, the ion and electron ì temparature (Ti and Te), the portion of

cale structure in the charged particle velocity. This structure has been shown to be an important c

sor. The proposed hardware will be designed, fabricated, and tested at the University of Texas at

electrons from the magnetopause, often peaking at several KeV sometimes by a factor of 10. Lov

s evolution through time, and in particular the distribution, abundance and behavior of water. Majc
ne Univers- ity of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Our

University of Texas at Dallas (UTD) and Texas Christian University (TCU) of Fort Worth. Cubesat
mass spectrometers to a large extent meet the requirements of a portable design. The Mattauch-
SEY ORBITER BY AC- QUIRING STRTIGRAPHY OF WATER ICE IN THE SUBSURFACE. MEAS
.AS AN ARES SCIENCE TEAM MEMBER,THE CONTRCTOR SHALL ALSO SUPPORT ANNUAL S

racial and economic segregation. This research has important policy implications in view of the

d phonological memory. This results in 1) less rich semantic categorical knowledge, 2) less well
particularly for phonological knowledge. The proposed research will apply a picture-word task usir

plan will focus on the design and analysis of optical packet-switched networks. The objectives o
t will be to 1) investigate protocols for resolving contention and providing differentiated levels of se

and inhibit apoptotic caspase proteases. In some Drosophila IAPs, these BIRs also bind the apopt
the apoptosis-stimulating Reaper, Grim, and Hid proteins, leading to caspase de-inhibition. The s

compare the stimulator binding affinity of a DIAP1 BIR2 fragment with a fragment containing both E
BIR (baculovirus IAP repeat) domains found in IAPs. In vivo studies have revealed several fea

ific Aim 2 directly tests if stimulators allosterically activate IAP-bound caspases. Studies with hun
n control IAP specificity, understanding BIR1 function will help in developing strategies to selectiv

, high school graduation, and college attendance and completion. The additional time and fundir
0 public school teachers and staff, and for more than 4.5 million Texas resi- dents attending two a

gration, including apraxia of speech (AOS) and oral apraxia (OA). Seven experiments will test the h

ɜrson Cancer Center. More specifically, the following image processing modules will be designed,

ɔ ì gain personal growth, empowerment, and specific leadership skills ì to become not only economica

uments, we propose an effective algorithm, called top-down, which will detect changes in RDF do

data for performance improvement efforts. The research will also lead to the development and

therapy are most important for effective treatment. We will investigate the consequences of soci
al filters are precisely tuned for specific spectral and temporal features of behaviorally important v

itch dielectric and its resulting charging, implementation of a reliability methodology which makes li
both structural and optical characterization techniques. The inter- disciplinary nature of the propo

LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

onmicroscopy. Cryomicroscopy of tilted ì specimens will be used to generate stereo reconstructions of
rigidity of these structures as a function of supercoiling will be determined from effects of these stru
f overhangs in lower eukaryotes. Recent reports indicate that the single-stranded overhang, aide

nalog designs still have to generate certain amount of accuracy. The second objective is to explore

ed spectrum in several different frequency bands. Software simulation has shown that this new equ
r, so that the information to be transmitted over the band limited communication channel is greatly

ɔ deal with colored noise, have been shown to provide significant improvements in performance on

ɔe collected from intact cats and cats that have incurred equivalent damage in adulthood. We will
ɪgnitive component. 2) The delayed match-to- sample (DMS) and form-to-color association tasks (

·ks underlying delayed match-to-sample (DMS) discriminations and form-to-color associations will

S HAVE BEEN OBSERVED IN CHILDREN WITH AVERAGE BLOOD LEADS OF 6 micro/dL AND

American Institutes for Research, this project will conduct an extensive investigation of early langu

sits, from single- to multi-channel seismic data and to go beyond acoustic impedance inversion to

: (PRIMARILY) FLORESCENT DIAGNOSTICS TO BE USED IN FUNDAMENTAL STUDIES OF T
: EN- VIRONMENTALLY NOXIOUS BYPRODUCTS AND/OR FOULING OF PROCESS EQUIPME

ollows: 1) Identify specific manufacturing industries for the study; 2) Identify key business perform

n it enjoys the competitive advantage of being the only such product that is capable of understanc

al mechanism of nucleotide insertion and the way in which sites of insertion are determined. To

e wireless channel environments; and training symbol design for a better frequency synchronizati
.TION, COMBINED APPROACH OF TIMING SYNCHRONIZATION,FREQUENCY SYNCHRONIZAT

uistics community. In this proposal, semantic relations are the underlying relations between two c
MANTIC RELATIONS IN NOUN PHRASES.WE ALSO PROPOSE TO DEVELOP A SEMANTIC PAR
J. Rusk Middle ì School on the Mother-Daughter Program database and student files ì in the Office of S
e Enterprise (ESE) On-Line Course as a premier component of ì the in-service programs offered by the

l polymer matrices. These polymers have good film forming capabilities and previous results of PS
unneling spectroscopy (STS) spectra will be acquired from halogenated and polymer wrapped sing

packetization, multiple description coding, each with various twists, are under intense study for the
ıd channel bandwidth, while imposing few -if any- additional system requirements. The intellectua
›der. This component includes both independent as well as standards-compliant algorithms. Part

on and tuning of the signal integrity model. Task 2 deals with on-chip circuitry to sample and de

ill investigate new methods and approaches to various problems in immunology and cellular biolog

investigate existing algorithms and to develop novel algorithms for the localization of single m

description for creating and stabilizing a carbon based feedstock gas plasma" and 2) "Transport of

nd 2007 (Wave II). As the Co-Investigator on the Relation -ships R01, Professor Margaret Tresch

ɔropose a comprehensive investigation of nonspecific binding interactions on glass surface based

e School of Social Sciences fully expects faculty once they are more aware of the role of enterepr

. The PI will investigate the spatial-temporal relationship between events in a mobile computing s
rom a) multiple access interference and b) multipath fading. Information interaction between layer
at also communicate with the fixed, wired network infrastructure. This hybrid network architecture

ɔ several hundred degrees C above the solidus. These data would provide constraints on composi
study would include analysis and parametrization of all coexisting phase compositions for the as

NP-hard optimization problems in graphs is the principal focus of the research proposed herein.

ved. The project contains both mathematically precise problems and problems which require sub
matrices, reachable set determination for open quantum systems and certain uncontrollable clos

f ì excess nitrogen when cells use amino acids as carbon sources. The ì leucine-responsive regulatory

'd objective is to test the proposed functions of the two pathways by examining the expression of p
vironmental stress . Several such genes are uncharacterized transaminases. One possible functi

ement agencies and the judicial system in assisting female i victims through the criminal justice system
:h Texas Joint Terrorism Task Force. We would - develop an interactive website on Homeland Se

ntenna systems and multipath channels, we identify constrained as well as unconstrained optimiz
rs and transmitters in wireless systems. We will minimize the total transmitted power of the system
enna systems and multipath channels, we identify constrained as well as unconstrained optimizat
signal-to-interference ratio (SIR) based on quality of service(QoS) requirements. In our initial w
or multiple antenna systems and multipath channels, we identify constrained as well as un- constra

owser for visual content: content-based indexing and the human-computer interaction. Current res

TRIBUTIONS, AND SOFT MONEY EXCEEDS $2 BILLION PER YEAR. YET PRIOR STUDIES O

part of the DFG may be scheduled to derive an optimal timetable for the program. Alternately, we
instances from random logic might introduce overhead in capacity of the system and emulation sp

estigating the relat- ionships among time, memory, code size and power consumption, we can der

intensity. This approach may not prove practical because the differene in water relaxation rates b
goal is to better understand the factors that control citric acid cycle flux and substrate utilization i
proof of feasibility of developing CA containing Eu3+, Pr3+, Nd3+ or any other Ln3+ other than Gd

act folded structure above a Ln3+-bound water molecule. The goal of this summer project is to fin
EST) MACHANISM SO WE CALL OUT NEW AGENTS, PARACEST AGENTS (paramagnetic CES

e "Wurster's crowns". This grant includes and extends this work by providing methodology for the

ontaining enzyme carbonic anhydrase. They will consist of Zn(II)-azacrown complexes that are ca

nd 3) ì application of quantitative techniques and methods for ì identifying and measuring key paramet

the growth of telecommunications and information services and changing economic landscape in
mation System (GIS) and applicable techniques of spatial data analysis. The methodology aims at

her minimizing or maximizing some measure of effectiveness. ì This research focuses on the developm
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LAS COUNTY LAST YEAR, 2,931 (30%) INVOLVED FEMALES. THE REFERRALS INCLUDED 2

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Proposals by School - FY00-FY06

School	FY00	FY01	FY02	FY03	FY04	FY05	FY06	Total
A&H	2	4	1	1		5	10	23
BBS	44	42	21	24	7	26	39	203
ECS	56	83	43	80	37	135	151	585
EPPS	30	6	8	18		22	37	121
GS			2	3		6	7	18
NSM	94	77	66	112	35	136	144	664
SOM	6	4	1	7	2	7	6	33
OTHER	6	4	1	6	1	3	1	22
Total	238	220	143	251	82	340	395	1669