

PUBLIC SERVICES – ACADEMIC PROGRAMS

BBS

The School of Behavioral and Brain Sciences provides very extensive community service through numerous service programs of its Callier Center and Center for Brain Health, as well as collaborative efforts of various faculty. The Callier Center offered over 25 different clinical service programs generating over 40,000 patient contacts during 2006. Examples are its programs with such clinical populations as hearing impaired individuals across the age spectrum, language disorders, speech problems and autistic spectrum disorders. Similarly the Center for Brain Health offers service programs in Alzheimer's disease and Brain-injury in children. The School has extensive programs with numerous school districts providing educational programs for all hearing-impaired preschoolers in the Dallas Independent School District and audiological consultation with the Plano School District. Individual faculty in our neuroscience programs have also provided seminars for Plano and Richardson Schools in the area of brain research. The Center for Brain Health hosts an annual public lecture series on aspects of brain research and the Callier Center offered two Bruton Conferences in 2006 primarily for professionals in the field of communication disorders. Callier audiologists also participated in outreach programs for hearing assessments in Panama and Mozambique.

Callier Center

- * Provided over 70,000 patient visits to the community during fiscal.
- * Graduate student practicum programs are providing community services at over 100 community sites, including school systems, hospitals, clinics, private practices, and not for profit centers.
- * Special Olympic Healthy Hearing program conducted on a semi annual basis.

GENERAL STUDIES

Erin Smith is still on UTD committee on Diversity and Equity and the Women's Center Board.

On Feb. 27, 2007, Dachang Cong delivered a talk on East Asian cultures to the Raytheon Asian Pacific American Association at the Chinese New Year celebration.

On March 30, 2007, Dachang Cong delivered a speech on Asian immigrants to the Asian American Leadership Educational Conference held at SMU.

Karen Prager, Program Head

PROFESSIONAL AND COMMUNITY SERVICE

Editorial Board Personal Relationships (1998-2000)

Official journal of the International Society for the Study of Personal Relationships

Ad Hoc Reviewer:

Journal of Family Psychology
Journal of Personality and Social Psychology
Journal of Social and Personal Relationships
Motivation and Emotion
Personality and Social Psychology Bulletin
Personal Relationships
Psychological Science
Psychology of Women Quarterly
Sex Roles: A Journal of Research

Various Committees. Professional Organizations
Association for Behavioral and Cognitive Therapy
International Association for Relationship Research

Proposal Reviewer:

Association for Behavioral and Cognitive Therapy
International Association for Relationship Research

Oral Examiner: Texas State Board of Examiners of Psychologists

Bi-weekly Newspaper Column:

On Relationships: Everyone's An Expert, Dallas Morning News
November 11, 1999 - August, 2000.

Pamphlet: With Gail A. Rekers, wrote and designed, "Faculty-student interactions: When does a good thing go too far?", published by the Dallas Psychological Association.

Television Appearance:

Featured Speaker, "Sex Roles" episode in PBS' series "Focus on Society"

Speaker: Speaker's Bureaus: Dallas & Collin County Mental Health Associations, Dallas Psychological Association; numerous community lectures, discussion groups, and classes on successful relationships and other interpersonal and mental health topics

Current Boards:

American Board of Couple and Family Psychology
Beit Midrash of North Texas (new institute for adult Jewish learning),

Former Board Memberships:

Temple Emanu-El of Dallas Board of Directors
Citizens Development Center (rehabilitation and structured work center)
NEXUS (substance abuse treatment center for women)
Mental Health Association of Collin County (Advisory Board)
Stretch for Greatness (fund-raising for Richardson School District)

Radio and Newspaper Interviews:

Appeared on KERA's The Glenn Mitchell show in June, 2003, with Mary Howe to discuss her book "A Baptist Among the Jews." In addition, I have given multiple interviews with local and state-wide news media, including the Dallas Morning News, Dallas Times Herald, KERA, KHYI Radio, etc.

Guest Column for Dallas Morning News - Reply to Podhoretz

Book review for the Dallas Morning News, "More about the Manson Family," August 24, 1980.

Who's Who of Biography appeared in 16th Edition.

American Women

Speaker/Instructor: Jewish

Community: Founder and Discussion Leader: On Women and By Women, a monthly reading and discussion group sponsored by the Commission on Women's Equality, American Jewish Congress and awarded the American Jewish Congress' Torch of Conscience Award in February, 2001, for this service

Community lectures, on gender issues in Judaism and other religions, and related topics:

Lectures in lecture series: for the UTD-United Nations Conference on the Rights of Women, 1997-1999; the Bridwell Library Lecture Series on Judaica, Southern Methodist University, 1999; the Speaker's Corner of the annual Jewish Art Fest of Dallas (1997-1999); the American Jewish Committee's Summer Flagship Series, 1999; UTD Gender Lecture series, 1997;1998; Temple Emanu-El Adult Education series, 1999; 2000, among others;

Individual lectures for synagogues, churches, and Jewish organizations, including: The Union of American Hebrew Congregations Regional Biennial Conference, November, 2000; and Temple Emanu-El, Congregation Anshei Torah, St. Thomas Episcopal Church, St. Elizabeth's Church, Congregation Beth Torah, Temple Shalom, the National Association of Jewish Women, the American Jewish Congress, the American Reform Zionists Association, Wilshire Baptist Church, 1st Methodist Church of Richardson.

Pam Brandwein

FORMAL LECTURES IN PROFESSIONAL SETTINGS

2005 Salesmanship Youth Club of Dallas, Race and Inequality.

2004 Salesmanship Youth Club of Dallas, Issues of Race, Class and Gender in Work and Education.

1994. Salesmanship Youth Club of Dallas, Gender Issues in Education and Work.

2000 Salesmanship Youth Club of Dallas, Race and Diversity Issues in Education and Work.

2000. Executive Women in Government, Dallas Chapter; "Gender in the Workplace."

1999 Dallas Philosopher's Forum, Dallas, TX; "The Ethics of Affirmative Action."

1997 UN Conference on Women, University of Texas, Dallas; "Sexism, Racism and Militarism."

1997 Women's History Month Lecture Series, University of Texas, Arlington, "Sexual Harassment Cases in the Federal Courts, 1993-1995."

1997 Graduate Student Workshop, Annual Meeting of the Law and Society Association, St. Louis, MO; Faculty Member; "Teaching Law and Gender."

1994 American Studies Summer Institute, University of Illinois at Chicago, Chicago, Illinois; Sponsored by the United States Information Agency. Lecture series on law and politics in U.S. Society, faculty member.

1993 American Studies Summer Institute, University of Illinois at Chicago, Chicago, Illinois; Sponsored by the United States Information Agency, "The American Political and Legal System," "Reading and Teaching the U.S. Constitution, Bill of Rights and Declaration of Independence," invited speaker.
Service Contributions External to UTD

Herbert Jacob Book Prize Committee 2007 (Best book in the field of law and society for calendar

year 2006). Law and Society Association.

Wadsworth Award Committee 2007 (Best book or journal article, 10 years or older, which has

made a lasting contribution to the field of law and courts), Law and Court Section, American Political Science Association.

McGraw-Hill Award Committee 2006 (Best article in the field of law and courts for calendar

year 2005) Law and Court Section, American Political Science Association.

Manuscript Reviewer, Law and Society Review, Polity, American Journal of Political Science,

Political Research Quarterly, National Science Foundation (Law and Social Science)

Section Chair, History and Politics, 2004 Western Political Science Association

Erin Smith

Professional Service

To the Profession

NEH Summer Stipend Review Panelist, 2002, 2003, 2006

Fellowship Application Reviewer, National Humanities Center, 2003, 2004, 2005

NEH Review Panelist, "Humanities Projects in the Media," 2002

Representative, American Studies Association Women's Committee, 1999-2002 (Chair

2001-02)

Organizer/Facilitator for the Dallas Area Social History Circle (DASH), 2001-02
Advisory Editor, St. James Encyclopedia of 20th-Century Popular Culture (2000)
Chair, American Studies Association Wise-Susman Prize Committee, 1999
Manuscript Reviewer for American Quarterly, American Studies, Book History, Gender & Society, Library Quarterly, Oxford UP, SUNY P, U of Illinois P, U of Kansas P, U of Wisconsin

Michael Wilson

PROFESSIONAL SERVICE:

Book Review Editor, Newsletter of the Committee on Lesbian & Gay History (1998-2004)

Referee for University of Chicago Press (French history)
Referee for University of Illinois Press (visual culture)
Referee for University of Minnesota Press (French history)
Referee for Houghton Mifflin (European women's history)
Referee for French Historical Studies

External reviewer, Marsden Fund Grants, Royal Society of New Zealand

BA/BS Interdisciplinary Studies

The internship program within the School of General Studies provides numerous opportunities to reach out to the community. During 2006, we had 46 students undertake our internship course under the supervision of Dr. Susan Chizeck. Of these 46 students 33 (72%) continued at their work site in some capacity after the completion of the internships. Students have worked in a variety of areas including management (39%), social services (13%), communications (26%), human resources (6.5%), law (8.6%) and other (6.5%). Some of the more interesting site locations are the Dallas Business Commission on the Arts, UT Southwestern Medical School, the U.S. Department of Justice, the Plano Star Courier, the U.S. Army Corps of Engineers, Levinson and Brinker PR, Dean Foods and the McKinney ISD. Student teaching in the Plano and Richardson School Districts is also an important source of community outreach.

Chess Certificate

Root, A. (2006, May). May 11th: Top Volunteer award from the Denton Independent School District. May 19th: Career Day speaker, Evers Elementary. May 27th: News report coverage of Root's volunteer chess teaching with Denton ISD by DTV Newsbreak (Denton cable access TV).

Root, A. (2006, July 15). Chess exhibition and book signing at the 1st annual Dallas International Book Fair.

Root, A. Co-chair (with Dr. Tim Redman) of the United States Chess in Education

committee (2005-2006). Root organized the annual meeting for the committee, and also put on a workshop that attracted 37 paid participants see Chess in Education workshop, August 7-8, 2006,

http://www.thechessacademy.org/USCF_Chess_Education_Committee.htm.

Root, A. Organizer of the Texas Chess Association's Chess in Education workshop, held March 17, 2007. Web site is <http://www.swchess.com/sce/tourney/tsc2007/cied.htm>.

MA Interdisciplinary Studies

The MAIS program has one major community service project. In conjunction with Fidelity Investments the MAIS program helped to evaluate proposals from agencies that assist homeless families. Three proposals were funded by Fidelity to assist students who were displaced by Hurricanes Katrina and Rita, the MAIS program will also assist in the evaluation of these programs.

Teacher Education

1. TDC hosts 600+ teachers of advanced placement courses in area junior and senior high schools each summer at the AP Summer Institute.
2. Hosted the Dallas Regional Science Olympiad in 2007 for 15 area schools and 300 students.
3. The entire program is "public service!"
4. Hosted open meeting for national award-winning author, Rafe Esquith and his students - attended by 500 area teachers.

Engineering and Computer Sciences

Emergency Preparedness Center

E-Plan has also been shown to have great utility in planning for numerous law enforcement and government agencies, including local fire departments, FBI, EPA, DHS, FEMA, CDC and OSHA.

1) Hurricanes Katrina and Rita Response - The 2005 Katrina and Rita hurricane disasters created requests and needs for information over a wide-area. On a request from EPA Washington headquarters, UT Dallas responded immediately, over Labor Day weekend to provide the following functions on 5000+ fixed facilities in Alabama, Louisiana, Mississippi and Texas;

i) Facility latitude/longitude was calculated from its street address and displayed on aerial maps,

ii) An enhanced search function allowed First Responders to identify and display on a map all facilities with a specified chemical in specific counties/parishes,

iii) Search for all hazmat materials at a single location.

2) Centers for Disease Control and Prevention (CDC) - In response to Katrina, the CDC used the system to plan responses to any resulting disease outbreak based on the hazardous chemical and other biological agents released as a result of the storm.

3) U.S. Department of Labor Occupational Safety and Health Organization (OSHA) - OSHA is considering use the database to plan compliance audits focusing on the most dangerous work facilities first. These locations are identified via the E-Plan chemical data.

Computer Science/Software Engineering

Dr. Farago

Member, School Personnel Review Committee

Member, Dean's Advisory Committee on Continuity

Member, Intellectual Property Committee

Member, Faculty Hearing Tribunal

Member, Health Professionals Advisory Committee

Member, Ad hoc committee for the tenure case of Dr. Sergey Bereg

Member, Examining Committee for the Ph.D. Qualifying exam on Algorithmic Aspects of

Telecommunication Networks, Spring 2006

Chair, Examining Committee for the Ph.D. Qualifying exam on Algorithmic Aspects of Telecommunication Networks, Fall 2006

Chair, Best CS Dissertation Award Committee

Member, CS Graduate Admission Committee

Member, CS TA Selection Committee

Member, CS Annual Review Committee

Director of the Scalable Network Engineering Techniques Laboratory in the Computer Science Department.

Editor of the journal Wireless Networks.

Technical Program Committee member and reviewer of the 5th International Conference on Ad hoc Networks and Wireless (AdHocNow'06)

Technical Program Committee member and reviewer of the Mediterranean Ad Hoc Networking Workshop (MED-HOC-NET'06)

Dr. Guo

Research

Local arrangement chair and treasurer: Ninth ACM Multimedia and Security Workshop, 2007.

Program committee member: Sixth International Workshop on Computer Graphics and Geometric Modeling, 2007.

Paper referee:

IEEE Transactions on Visualization and Computer Graphics

IEEE Computer Graphics and Applications

Eurographics conference

Computer Graphics International conference

Asia-Pacific Workshop on Visual Information Processing

International Workshop on Computer Graphics and Geometric Modeling

Dr. Hamlen

Research:

Reviewer for Science of Computer Programming.

Reviewer for Information Processing Letters.

Reviewer for IEEE Transactions on Dependable and Secure Computing

Teaching:

Group Member, Computer Systems Group

Graduate Advisor (currently 1 PhD student, 1 Masters student)

Dr. Harbagiu

Director Human Language Technology Research Institute

Director for the Center for Emerging Natural Language Applications

Director for the Center for Search Engines and Web Technologies

Search Committee member for UTD VP of Research

Third Year Review Committee for Dr. Liu (School of Management)

Equipment Committee

Colloquium Committee

university committees

Director, Human Language Technology Research Institute

Intelligent Systems Group Coordinator

NSF Panelist

Area Chair Thirtieth Annual International ACM SIGIR Conference on Research and

Development in Information Retrieval (SIGIR-2007)

Area Chair 2007 Human Language Technology Conference/North American Chapter of the

Association for Computational Linguistics (HLT/NAACL-2007)

Area Chair Twenty-Ninth Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR-2006)

Area Chair 2006 Conference on Empirical Methods in Natural Language Processing (EMNLP

2006)

Scientific Committee for LREC 2006

Program Committee Member for ACL 2007; AAAI-2006; AAAI-2007; CIKM-2007;

HLT/NAACL 2006; EACL 2006

Reviewer for AAAI-2006; HLT-NAACL 2006; EACL 2006

Journal Reviewer for ACM Transaction On Information Systems (TOIS)—6 articles; Artificial

Intelligence;

Dr.Jue

Vice-Chair, IEEE Communications Society Technical Committee on Optical Networking, January 2006-Pres.

Technical Program Committee, Globecom 2006, Symposium on Advanced Technologies and Protocols for Optical Networks, San Francisco, CA, November 2006

Technical Program Committee, Globecom 2006, Symposium on Control and Management of High Performance Networks, San Francisco, CA, November 2006

Technical Program Committee, IEEE ICC 2006, Optical Systems and Networks Symposium, Istanbul, Turkey, June 2006

Technical Program Committee, IEEE/CreateNet BroadNets 2006 Optical Symposium, San Jose, CA, October 2006

Technical Program Committee, International Workshop on Optical Burst/Packet Switching (WOBS 2006), San Jose, CA, October 2006

Technical Program Committee, First International Conference on Communications and Networking in China (CHINACOM 2006), Beijing, China, October 2006.

Guest Editor, OSA Journal of Optical Networking, Feature Issue on Waveband Switching, Routing, and Grooming, 2006

Editorial Board, IEEE Communications Surveys & Tutorials

Consultant, Technology Futures Inc.

Dr.Murat

Program Committee Member, Twenty-Second AAAI Conference on Artificial Intelligence (AAAI-07)

Program Committee Member, International Workshop on Privacy Aspects of Data Mining (PADM'06)

Program Committee Member, IEEE International Conference on Data Mining, (ICDM 06)

Program Committee Member, 8th International Conference on Data Warehousing and Knowledge Discovery (DAWAK) 06 Program Committee Member, European Conf. on Principles of Data Mining and Knowledge Discovery (PKDD) '05

Dr.Khan

Director of DBL@UTD, UTD Database Laboratory

Associate Editor of Computer Standards and Interface Journal by Elsevier Publishing.

Guest Editor of International Journal of Knowledge and Information Systems (KAIS), Vol. 10, No. 2, Springer (2006).

Member of IEEE Kanai Award Committee, 2005 and 2006.

Keynote Speech: Matching Words and Pictures: Problems, Application and Progress, 9th International Conference on Computer and Information Technology (ICCIT), 2006.

Program Co-Chair of ACM 6th International Workshop on Multimedia Data Mining (MDM/KDD2005), August 2005, Chicago, IL, USA.

Program Chair of ACM 5th International Workshop on Multimedia Data Mining (MDM/KDD2004), August 2004, Seattle, Washington.

Program Committee Member of 12th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, August 2006, Philadelphia, USA.

Program Committee Member of IEEE International Conference on Data Mining (ICDM), ICDM 2006 December 18 - 22, 2006, Hong Kong.

Program Committee Member of 17th European Conference on Machine Learning and 10th European Conference on Principles and Practice of Knowledge Discovery in Databases, September 2006, Berlin, Germany.

Dr. Yang Liu

Publication committee, Joint Human Language Technology Conference and Annual Meeting of North American Chapter of the Association for Computational Linguistics (NAACL-HLT), 2007.

Program technical committee, International Symposium on Chinese Spoken Language Processing (ISCSLP), 2006.

Area chair, 4th Joint Workshop on Multimodal Interactions and Related Machine Learning Algorithms (MLMI), 2007.

Reviewer: Conferences:

- IEEE/ACL Spoken Language Technology Workshop 2006,
- International Conference on Acoustic, Speech, and Signal Processing (ICASSP), 2007,
- Joint Human Language Technology Conference and Annual Meeting of North American Chapter of the Association for Computational Linguistics (NAACL-HLT), 2007
- International Symposium on Chinese Spoken Language Processing (ISCSLP), 2006.

Dr. Ying Liu

Workshop chair, Applications of Machine Learning in Medicine and Biology, The Fourth International Conference on Machine Learning and Applications (ICMLA'06), Orlando, FL CA, December 14-16, 2006

Program Committee Member, The IASTED International Conference on Computational and Systems Biology (CASB 2006), Dallas TX, November 13-15, 2006

Program Committee Member, IEEE International Conference on Granular Computing (IEEE GrC 2006), Atlanta, GA, May 10-12, 2006

Program Committee Member, International Conference on Data Engineering (ICDE 2006) PhD Workshop, Atlanta, GA, April 3-7, 2006

Program Committee member, International Workshop on Data Mining in Bioinformatics with Sixth 2006 IEEE International Conference on Data Mining (ICDM'06), Hong Kong, December 18-22, 2006

Dr.Mili

Chair and member of the qualifying exam committee for respectively, CS6388 (Software Project Planning and Management) and CS6354 (Advanced Software Engineering), Requirements Engineering

Member of the Committee for the Support of Diversity and Equity.

Contributed to the proposal for the North Texas Net-Centric Software Technology Consortium . This consortium is a “joint venture to collectively develop a premier source of fundamental software research and technology for net-centric systems. To be funded by Universities, federal and state governments, and industry members, the Consortium will promote and undertake fundamental research, education, and technology development for high quality net-centric software systems. ”

Participated in meetings with UNT, UTD, UTA, SMU, Raytheon, Lockheed representatives.

Program Committee Member

§ Workshop on Agent-Oriented Software Development Methodology, San Francisco, July 2006.

§ Conference on Software Engineering and Knowledge Engineering (SEKE'06), San Francisco, July 2006.

§ HICSS-40 Mini-track in Software Technology Track, Visual Interactions in Software Artifact, Hawaii, January 2007.

#167; International Conference on Software Engineering and Data Engineering, (SEDE#8217;07) to be held in Las Vegas in early July 2007.

Dr. Mittal

Member of Program Committee (Algorithms and Theory Track), IEEE International Conference on Distributed Computing and Systems (ICDCS), 2007

Member of Program Committee, IEEE International Workshop on Assurance in Distributed

Systems and Networks (ADSN), 2006

Reviewer for:

IEEE Transactions on Parallel and Distributed Systems (TPDS)

IEEE Transactions on Software Engineering (TSE)

Journal of Parallel and Distributed Computing (JPDC)

IEEE International Conference on Distributed Computing Systems (ICDCS)

IEEE International Workshop on Assurance in Distributed Systems and Networks (ADSN)

International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS)

Annual European Symposium on Algorithms (ESA)

International Conference on Information Technology: New Generations (ITNG)

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Dr.Moldovan

NSF Panelist

Scientific Committee IEEE 2006 Workshop on Spoken Language Technology

Reviewer for EACL 2006; EMNLP 2006; HLT/NAACL 06; ICoS-5;

Reviewer for International Journal on Artificial Intelligence Tools (IJAIT) article

Program Committee Member: Several Conferences

Telecommunication Engineering

The TE affiliated faculty routinely support the public through lecturers, arranging speakers, formal and informal technical and advisory support of local businesses and k-14 education.

Electronic Engineering

N. Al-Dhahir

Editor for IEEE Transactions on Communications (Area : Wireless Communications).

P. Balsara

General Chair, 5th IEEE Dallas Circuits and Systems Workshop, Dallas, TX, Oct. 29-30. 2006.

Program Committee, First International Workshop on Interconnect Design and Variability, Bangalore, India,

Dec. 28-29, 2006

D. Bhatia

Program Committee, IEEE International Conference on Field Programmable Technology, Kitakyushu, Japan, December 2007.

Program Committee, 17th International Conference on Field Programmable Logic, Amsterdam, Holland, August 2007.

Activities Chair and Member of Executive Committee, IEEE Dallas Chapter, 2007.

Program Committee, IEEE 2nd International Workshop on Reconfigurable Computing Education, Porto Allegre, Brasil, May 2007.

Publicity Chair, Fifth IEEE Dallas Circuit and Systems Workshop, Dallas, October 29-30 2006.

Program Committee, Fourteenth International Conference on Advanced Computing & Communications (ADCOM 2006), Suratkal, India, December 2006.

Program Committee, IEEE International Conference on Field Programmable Technology, Bangkok, Thailand, December 2006.

Program Committee, 16th International Conference on Field Programmable Logic, Madrid, Spain, August 2006.

C. Cantrell

Expert witness for Winstead, Sechrest & Minick

K. Cho

Editor, conference organizer, etc. (2 journal editorial boards)

Editorial Board Member of Computer Modeling in Engineering & Science (2002-present)

Editorial Board Member of Journal of Computational and Theoretical Nanoscience (2003-present).

Consulting on Nanomaterials Modeling to Nanostellar Inc.

J. Fonseca

Reviewer for IEEE Transactions on Communications, IEEE Transactions on Vehicular Technology, IEEE Communication Letters, and IEE Proceedings-Communications

Member, Undergraduate Curriculum Committee

Member, Committee on Effective Teaching

B. Gnade

Proposals Reviewed

a) R.B. van Dover, "Complex Amorphous Oxides", NSF proposal # 0604909 (January 2006).

Bruce Gnade – 2006 Annual Report of Professional Activities and Accomplishments

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b) H. Baumgart, "Investigation of High Dielectric Constant ZrO₂ Ultra Thin Films Grown by Atomic

Layer Deposition", NSF Proposal # 0606401 (reviewed January 2006)

c) T. Gustasson, "Structural Studies of Thin Films for Applications in Microelectronics", NSF

proposal # 606126 (Feb. 2006).

d) David Gidley “GOALI:” characterization of Porosity at the Nanoscale”, NSF proposal # 604819

(March 2006).

e) T. Gustasson, “Pan American Advanced Study Institute on Materials for Micro- and Nanoelectronics”, NSF proposal # 617426 (March 2006).

f) S. E. Pavlovich, “Elements of field emission video screens”, CRDF proposal ISTC #3490 (May

2006).

g) D. Burton, “SBIR/STTR Phase II: High Thermal Conductivity Carbon Composite for Electronics

Cooling”, NSF proposal #646434 (October 2006).

h) W. Nachtrab, “SBIR/STTR Phase II: A New production Method for Ta fibers for Use in

Electrolytic Capacitors with Improved Performance and Packaging Options”, NSF proposal #646417

(October 2006).

i) T. Xiao, “SBIR/STTR Phase II: Nanomagnetic Paste for Miniaturized Ultrahigh Frequency DCto-

DC Converter”, NSF proposal #646436 (October 2006).

j) H. Hu, “SBIR/STTR Phase II: Nanoporous Catalytic Mixed Oxide Membranes for Removal of

Hazardous Air Pollutants”, NSF proposal #646426 (October 2006).

k) W.N. Thurmes, “SBIR/STTR Phase II: Bistable FLCs using Siloxanes”, NSF proposal #646465

(October 2006).

l) S.C. Tan, “SBIR/STTR Phase II: Millimeter Wave Planar Structure and Antennas Fabricated from

a Novel Polymer System”, NSF proposal #646449 (October 2006).

m) I.M. Tiginyanu, “Enforcing the infrastructure of the National Center for Materials Study and

Testing in Moldova with technological facilities for micro- opt- and nano electronic device fabrication:

the purchase of a mask alignment and UV exposure lithography system”, CRDF proposal #060616

(November 2006).

n) V.P. Berzan, “Devices for scientific research of the energy conversion efficiency of the renewable

energy sources in climate environment of the Republic of Moldova”, CRDF proposal #060620

(November 2006).

o) C. Turta, “Gamma-resonance spectroscopy – Mossbauer Spectroscopy”, CRDF proposal #060615

(November 2006).

p) S.C. Railean, “New equipment for scientific researches”, CRDF proposal #060628 (November

2006).

f) consultant activities

Nanolumens, Inc. Atlanta GA

M. Goekenr

Reviewed submissions for J. Vac. Sci. Technol.

Reviewed submissions for Plasma Sources Science and Technology.

Reviewed submissions for RSI.

Reviewed proposals to NSF program in Plasma Science

Local Organizing Committee - ICMI Conference 2006.

Program Committee AVS Plasma Science Division (2006 conference)

Consultant activities:

On design of oil well tools (Local company)

W. Hu

Panelist of National Science Foundation's program: Nanoscale Interdisciplinary Research Teams (NIRT), 2006.

Paper review service for IEEE Transaction on Nanotechnology

Paper review service for Journal of Vacuum Science & Technology

Paper review service for Surface and Coating Technology

Paper review service for Nanotechnology

B. Hunt

Associate Editor of System and Control Letters

Referee for IEEE Conference on Decision and Control (1 paper)

Incoming Faculty Sponsor for TSPE Student Chapter

N. Kehtarnavaz

Coeditor-in Chief, Journal of Real-Time Image Processing

Initiated the establishment of this new journal published by Springer

Resolved various issues to bring it into publication status

Dallas Chapter Chair, IEEE Signal Processing Society

Sponsored 10 seminars held at UTD, one being Signal Processing Society

Distinguished Lecturer

Updated and maintained webpages for the Dallas Chapter

Conference Chair, SPIE Real-Time Image Processing Conference, Jan 2006

Reviewed and organized all the submitted papers

Program Committee Member, IEEE Symposium on Image Analysis and Interpretation, March 2006 – Reviewed papers

Steering Committee Member, IEEE Symposium on Computer-Based Medical Systems, June 2006

Program Committee Member, IEEE Conference on Systems, Man, and Cybernetics, Oct 2006 – Reviewed papers

Program Committee Member, 10th World Multi-Conference on Systemics, Cybernetics, and Informatics, July 2006 – Reviewed papers

SPIE Fellow and IEEE Senior Member

Provided three reference letters for faculty promotion at other schools

Listed in Who's Who in America, 2006

Served as a consultant to Kettering University and Humboldt State University

K. Kiasaleh

Reviewed manuscripts for

* Optical Engineering

* IEEE Photonics Technology Letters

Served as an expert on National Science Foundation (NSF) panel for evaluating phase I SBIR proposals

J. Kim

Editorial Board, Electronic Materials Letters (2005 – Present) Member: Materials Research Society, American Vacuum Society, Electrochemical Society, IEEE, Korean Institute of Metals and Materials, Korean Ceramic Society, Korean Materials Research Society
Papers Reviewed – 2006
Journal of Vacuum Science and Technology 1. # 31423 (Nov. 2006) “Etch Induced Sidewall Damage Evaluation in Porous Low-k MSQ Films,” by B.Kong, T.Choi, S.Sirard, D.Kim, N.Lee
Advanced Functional Materials 1. Manuscript number adfm.200600877 (Oct. 2006) “Nanoparticle Coating for Advanced Optical,

Mechanical and Rheological Properties”, Hakim et al. *Microelectronics Engineering* 1. MEE-D-06-00271 (Nov. 2006) “Growth and Structural Properties of Crystalline LaAlO_3 on Si (001)”, Ahn et al. 2. MEE-D-06-00274 (Nov. 2006) “High-quality high-k HfON formed with plasma jet assisted PVD process and application as tunnel dielectric for flash memories,” T.P. Ma et al

M. Kim

Served as an instructor: High Resolution Electron Microscopy (HREM) Annual Winter School at Arizona State University – a week long intensive course for training of graduate students and technical professionals. Provided technical support to the following faculty for their research programs (not resulted in joint-publication): Prof. J. Duggan, Physics, University of North Texas; Prof. A. Neogi, Physics, University of North Texas; Mr. R. Croley, OSP, University of North Texas; Prof. M. Johnson, Physics, University of Oklahoma; Prof. R. Kovacevic, Manufacturing, Southern Methodist University. Papers reviewed: “CuO Nanoparticle Filled Vinyl-Ester Resin Nanocomposites: Fabrication, Characterization and Property Analysis,” Z. Guo, X. Liang, T. Pereira, R. Scaffaro and H.T. Hahn, *Composites Science and Technology*. “X-ray Metrology for High-k Atomic Layer Deposited $\text{Hf}_x\text{Zr}_{1-x}\text{O}_2$ films,” D.H. Triyoso, M. Raymond, J.J. Gallegos, *Microelectronic Engineering*. “Growth and Structural Properties of Crystalline LaAlO_3 on Si (001),” J.W. Reiner, A. Posadas, M. Wang, T.P. Ma and C.H. Ahn, *Microelectronic Engineering*. Proposals reviewed: UTD-UTA Presidential Joint Research Program Review Panel; Committee member: Microscopy Society of America, Undergraduate Education Committee

H. Lee

Technical committee co-chair of IEEE Solid-State Circuits Society-Dallas Chapter 2006; Technical program committee member of IEEE International Symposium of Circuits and Systems, 2006; Chair of lecture session “Bandgap References” for IEEE International Symposium of Circuits and Systems, 2006; Review committee member of IEEE International Symposium of Circuits and Systems, 2006; Reviewer of IEEE International Symposium of Circuits and Systems, 2006; Reviewer of IEEE Journal of Solid-State Circuits, 2006; Reviewer of IEEE Transactions on Circuits and Systems I, 2006; Reviewer of IEEE Transactions on Circuits and Systems II, 2006

J. B. Lee

Serving as a technical program committee member for IEEE Sensors Conference
Serving as a technical program committee member for SPIE's International Symposium on
Microtechnologies for the New Millennium Conferences
Served as a conference chair for the TEXMEMS 2006 Conference
Served as a session chair for the 2006 International Conference on Nano Science and Nano Technology
Served as a member of editorial board of Transactions on Electrical and Electronic Materials
Served as a reviewer for Journal of Micromechanics and Microengineering
Served as a review panel member for NSF SBIR programs two times
Samsung Telecommunications America, Richardson, TX,
Served as a consultant for their interests in MEMS for cell phone applications

J. Liu

Associate Editor of IEEE Transactions on Circuits and Systems II, 2004 -
present
Proposal Reviewer for National Sciences and Engineering Research Council of
Canada, 2006
Member of Technical Program Committee and Session Chair (Analog
Signal Processing) for IEEE International Symposium on Circuits and Systems, 2005 -
present
Reviewer for IEEE Journal of Solid-State Circuits, IEEE Transactions on Circuits
and Systems II, IEEE Transactions on Microwave Theory and Techniques, IEEE Circuits
and Systems Magazine

P. Loizou

Associate Editor of IEEE Signal Processing Letters, 2006-
Member of IEEE Speech Technical Committee, 2006-
Regular member of NIDCD/NIH Study Section (AUD) for R01 applications, 2006-
Invited member of a NIDCD/NIH Study Section for R03 and R01 applications, April and Nov 2005.
Associate Editor of IEEE Transactions of Speech and Audio Processing, 1999-2002
Member of Industrial Technology Track technical committee for ICASSP conference, 2001-2205
Member of North Texas Cochlear Implant Group at Callier Center/UTD.
Served as a reviewer for numerous IEEE publications, including IEEE Signal Processing
Letters and IEEE Transactions on Speech and Audio Processing. Also served as a reviewer for the
Journal of Acoustical Society of America, and Ear and Hearing journals.

H. Minn

(1) Editor for the IEEE Transactions on Communications.
(2) Technical Program Committee Member in IEEE WCNC 2005, IEEE VTC (Fall) 2005, ICCAS 2005, IEEE

GLOBECOM 2005, IEEE IWCMC 2006 (MIMO Systems & Networks Symposium), ICUWB 2006, IEEE Globecom 2006, IEEE WCNC 2007, IEEE ICC 2007, IEEE Globecom 2008.(3) Reviewer in IEEE Transactions on Communications, IEEE Transactions on Wireless Communications, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Vehicular Technology, IEEE Communications Letters, IEEE Signal Processing Letters, IEEE Globecom, ICC, VTC, WCNC, ICCAS, ICCS.(4) Session Chair in IEEE WCNC 2005, New Orleans; IEEE VTC 2005, Dallas; IEEE GLOBECOM 2005, St. Louis; ICICS 2005, Thailand; ICC 2006, Turkey; IEEE GLOBECOM 2006, San Francisco. (5) Technical Committee Member in IEEE Technical Committee on Communications Theory IEEE Technical Committee on Personal Communications IEEE Technical Committee on Radio Communications.

A. Nosratinia

Associate Editor of IEEE Transactions on Image Processing. Associate Editor of IEEE Transactions on Wireless Communications Associate Editor of IEEE Signal Processing Letters Associate Editor IEEE Wireless Communications Active Student Recruitment. Continued operation of a highly successful web-based graduate student recruitment system. This system has increased the quality of potential graduate students available to us. I both recruit my own students, as well as help other faculty with their recruitment. Reviewed articles for various technical journals

M. Nourani

NSF Panel: Served as a member of NSF grant review panel. Technical Program Committee Member: International Design and Test Workshop (IDT-2006), International Conference on Information Technology (ICT-2006), Computer Society of Iran Conference (CSICC-2006). Journal Referee: Transactions on Computer Aided Design of Integrated Circuits and Systems, Transactions on Very Large Scale Integration Systems, Transactions on Reliability, Transactions on Networking, Transactions on Computers, Transactions on Design Automation of Electronic Systems and Journal of Electronic Testing, IEEE Design & Test Magazine, IEEE Micro Magazine and IEE Proceedings. Conference Referee: Design Automation Conference (DAC), International test Conference (ITC), VLSI Test Symposium (VTS), Design Automation and Test in Europe (DATE), International Conference on Computer Design (ICCD), International Conference on Communication (ICC), International Conference on Computer Communications and Networks (ICCCN), International Symposium on Circuits and Systems (ISCAS), Midwest Symposium in Circuits and Systems (MWSCAS), Global Telecommunication Conference (Globecom), Iranian Conference on Electrical Engineering (ICEE) and Computer Society of Iran Conference (CSICC).

L. Overzet

Reviewed article submissions for various Journals (examples: Appl. Phys. Lett., J. Vac. Sci. Technol., Plasma Sources Science Technol., IEEE Transactions on Plasma Science, Thin Solid Films and The Journal of the Electrochemical Society.)Reviewed research proposals for a variety of funding agencies.Executive Committee member of the GEC (Gaseous Electronics Conference).Program committee member for Dry Process Symposium (Japan).Plano Science fair judge.Wrote numerous letters supporting research proposals, green card applications, Senior member upgrades (IEEE) and Professional Engineering applications.

Issa Panahi

Co-Founder of the IEEE-Dallas Chapter of Engineering in Medicine and Biology Society (EMBS), Aug. 2006.Vice-Chair of the IEEE-Dallas Chapter of Engineering in Medicine and Biology Society (EMBS), 2006, 2007.Program-Chair of the IEEE-Dallas Chapter of Signal Processing Society, 2006.Reviewer for the IEEE Transactions on Signal Processing, Communication, Circuits and Systems.Member. IEEE Societies: Signal Processing (SPS), Engineering in Medicine and Biology (EMBS), LEOS. Received the “2005 Outstanding Service Award” of the IEEE Dallas Section.

B. Pervin

Served as Secretary of the Dallas Chapter of the IEEE-Computer Society; appointed Secretary of the Dallas Chapter of the IEEE-Signal Processing SocietyP. K. RajasekaranReviewed articles for IEEE-SPS, and other speech conferences.

R. Sangireddy

Member of Technical Program Committee, The IEEE International Workshop on Next Generation Wireless Networks 2006 [6]. IEEE WoNGeN '06Member of Technical Program Committee, 5th International Trusted Internet Workshop 2006 [TIW-2006].Technical paper reviewer, IEEE Transactions on Parallel and Distributed Systems, August 2006Technical paper reviewer, IEEE Communications Letters, October 2006M. Saquib10/2004 - presentAssociate editor, IEEE Transactions on Wireless Communications (EDICS: Wireless Communica-tions - Cross-layer protocols, UWB, MIMO channel, Wireless Techniques and Fading, InterferenceSuppression, etc.)10/2002 - presentAssociate editor, IEEE Communications Letter (EDICS: Wireless Communications - UWB, MIMOchannel, Wireless Techniques and Fading, Interference Suppression, etc.)Technical program co-chair, Signal Processing for Communications Symposium, IEEE GlobalTelecommunications ConferenceTechnical program co-chair, First International Conference on Next-Generation Wireless Systems(ICNEWS 2006)Technical program committee member, Wireless Communications Symposium, IEEE Interna-tional Conference on CommunicationsTechnical program committee member, Phy/MAC Symposium, IEEE Wireless Communicationsand Networking ConferenceNSF panelist, Theoretical Foundation (TF) Cluster Review Panel,Reviewer for IEEE Transactions on Communications, Vehicular Technology, Information

Theory, Signal Processing and Wireless Personal Communications, Systems and Control Letters, and others
Reviewer for various conferences, including IEEE International Conference on Communications, IEEE Vehicular Technology Conference, IEEE Military Communications Conference, IEEE International Symposium on Circuits and Systems, and IEEE International Symposium on Information Theory

L. Tamil

Member, MTBC SIG on RFIDs
Member, Organizing committee on 'RFID Symposium' a collaborative effort of UTD SoM and EJS
SoECS.
Consulted for Lighthouse Capital Partners on Technical feasibilities of ideas for Investment decisions. Consulted for Mr. Tom Lardner on Technical matter relating to investing.

E. Vogel

Program Committee - IEEE International Reliability Physics Symposium (2006)
Ex-Officio Chair - IEEE Semiconductor Interface Specialists Conference (2006)
Program Committee - Dielectrics - Workshop on Dielectrics in Microelectronics (2006)
Co-organizer - FIAP Focus Session on Emerging Research Devices and Materials for the Microelectronics Industry - American Physical Society Spring Meeting (2007)
Senior Member of the Institute for Electrical and Electronics Engineers
Member: Materials Research Society, American Physical Society
Papers Reviewed
1. "Impact of High K Gate Dielectrics on the Device and Circuit Performance of Nanoscale FinFETs," IEEE Elec. Dev. Lett., V. Ramgopal Rao et al.
2. "Electron Detrapping Characteristics in PBT-Stressed nMOSFETs with Ultrathin HfSiON Gate Dielectrics," IEEE Elec. Dev. Lett., A. Nakajima et al.
3. "High-k Al₂O₃-HfTiO Nanolaminates with less than 0.8 nm equivalent oxide thickness," IEEE Elec. Dev. Lett., V. Mikhelashvili et al.

R. M. Wallace

Elected Executive Committee, Electronic Materials and Processing Division, AVS (2005-2007)
Program Committee – Advanced Gate Stacks – International Conference on Solid State Devices and Materials, Kobe, Japan (2005)
Continued on the Editorial Board - Journal of Materials Science
Senior Member of the Institute for Electrical and Electronics Engineers
Member: Materials Research Society, American Vacuum Society, Electrochemical Society, American Society for Testing and Materials
Papers Reviewed – 2006 Applied Physics Letters
"High Temperature Stability of Lanthanum Silicate Dielectric on Si (001)" by Jur, et al (12/2006)
"Formation of Low-leakage-current Ultra-thin SiO₂ Films Using Low temperature Neutral Beam Oxidation" by Samukawa, et al. (11/2006)
"Post-metal deposition annealing of TaN/Hf_{1-x}Si_xO₂/Si/GaAs gate stacks," by Zhang et al (9/2006)
"Electron energy barriers at interfaces of GaAs(100) with LaAlO₃ and Gd₂O₃," by Afans'ev, et al. (6/2006)
"Effects of defects near the

HfO_xN_y/Si(100) interface on carrier lifetime in silicon and electrical characteristics of metal-oxide-semiconductor devices," by Cheng, et al. (4/2006) Electron Device Letters "Impact of the Nitrogen Content in Thin PVD-TaN Gate Electrode Films in Poly-Si/TaN/HfO₂/SiO₂ Transistors", by Kazuhiko Yamamoto, et al (3/2006) "All-Implanted GaAs MOSFETs with Directly-Deposited HfO₂ Gate Dielectrics", by Koester et al. (11/2006) "Thermal stability of metal electrodes and its impact on gate dielectric characteristics", by Park et al. (12/2006) Journal of the Electrochemical Society "High-Temperature Stability Of Lanthanum Silicate Gate Dielectric MIS Devices With Ta And TaN Electrodes," by Lichtenwalner, et al. (4/2006) Electrochemical and Solid State Letters "Sub-nanometer Equivalent Oxide Thickness Zirconium doped Hafnium Oxide High-k Gate Dielectric," by Kuo, et al. (12/2006) "Dependence of electrical properties on interfacial layer thickness of Ta₂O₅ films," by Myoung, et al. (8/2006) "Improved Dielectric and Interfacial Properties of Low Temperature Processed Hf rich Hf-Ti-O Gate Dielectrics," by Ramani, et al. (9/2006) Thin Solid Films "Interfacial microstructure of NiSix/HfO₂/SiO_x/Si gate stacks" by Gribelyuk, et al. (4/2006) IEEE Transactions on Electron Devices "Characterization of high-k hafnium oxide gate dielectric by LI-ALD" by Taechakumput, et al. (4/2006). Microelectronics Engineering "Compositionally graded Hf-silicate high-k gate dielectric for 50nm DRAM with high thermal stability," by Hyun, et al (11/2006). "Thermal and Plasma Enhanced Atomic Layer Deposition Ruthenium and Electrical Characterization as a Metal Electrode," by Park, et al. (11/2006). Electrochemical and Solid-State Letters "Sub-nanometer Equivalent Oxide Thickness Zirconium doped Hafnium Oxide High-k Gate Dielectric," by Yan, et al. (12/2006) "Improved Dielectric and Interfacial Properties of Low Temperature Processed Hf rich Hf-Ti-O Gate Dielectrics," by Ramani (9/2006) "Dependence of electrical properties on interfacial layer thickness of Ta₂O₅ films," by Lee et al. (8/2006) R.M. Wallace – 2006 Annual Report of Professional Activities and Accomplishments Solid State Electronics "InGaAs channel layers with record mobility exceeding 12,000 cm²/Vs for use in high-k," by Droopad et al. (5/2006) Materials Today Gate Stack technology for Nano Scale Devices: Current and Future Challenges, by Lee, et al. (3/2006)

A&H

Arts and Performance

Richard Brettell, American Director of FRAME (French Regional American Museum Exchange); international advisor to the National Gallery of Australia and the Walraff-Richartz Museum of Cologne, Germany

Venus Reese, Board Member, Performance Studies International

R. Clay Reynolds, Consultant, Texas Review Press; Executive Counselor, Texas Institute of Letters

Thomas Riccio, Advisory Board, Out North Theatre, Anchorage, Alaska; Steering Committee, International Theatre Institute Conference 2006, Krakow, Poland

Local community initiatives:

A&H Advisory Board

Guitar Advisory Board

Dallas Museum of Art

Richardson Arts Alliance – Kathryn Evans

McKinney Arts Commission – Robert Nelsen

Richardson Arts Commission – Dennis Kratz

Eastfield Guitar – Enric Madriguera

Participation in civic organizations:

Richardson Arts Alliance – Kathryn Evans

McKinney Arts Commission – Robert Nelsen

Richardson Arts Commission – Dennis Kratz

Arts of Collin County – Dennis Kratz

Academic Council of the Master of Liberal Studies Program at SMU – Dianne Goode

Advisory Council of the College of Fine Arts, U. T. Austin – Dianne Goode

Arts and Humanities

Dennis M. Kratz, President-elect, Texas Association of Deans of Liberal Arts and Sciences; Judge, Executive Women International Scholarship Competition

Zsuzsanna Ozsvath, Board Member, David S. Wyman Institute for Holocaust Studies; Board Member, Dallas Institute for the Humanities and Culture

Tim Redman, Founding Board Member and Educational Advisor for the Dallas Area Chess-In-Schools Foundation; President, PEN Texas; Chess and Education Research Director, World Chess Federation Committee on Chess in Schools

R. Clay Reynolds, Consultant, Texas Review Press; Executive Counselor, Texas Institute of Letters

Local community initiatives:

A&H Advisory Board

McKinney Arts Commission – Robert Nelsen

Richardson Arts Commission – Dennis Kratz

Arts of Collin County – Dennis Kratz

Arts and Technology

The ATEC undergraduate students have been active in local exhibitions as well as in community cultural activities. In 2006 students works on projects with The Dallas Museum of Art, KERA (PBS Affiliate), Dallas Film and Video Festival, Dallas Film and Video Association 24 hour Video Race (two winning teams), Dallas Women in Film and have been active in research projects with industry. (Texas Instruments, UTD Center for Brain Health and U.S. Army, Training and Doctrine Command (TRADOC).

Arts and History

David Channell, Official Representative from the Society for the History of Technology to the American Association for the Advancement of Science

Fabrice Jotterand, Advisory Board, The Journal of Medicine and Philosophy; Advisory Board, The Nanoethics Group

Zsuzsanna Ozsvath, Board Member, David S. Wyman Institute for Holocaust Studies; Board Member, Dallas Institute for the Humanities and Culture

Nils Roemer, Co-organizer of international conference “Jewish Longings and Belongings in Modern European Consumer Culture, University College, London

John Sadler, Co-Chair, Institutional Ethics Committee, Parkland Health & Hospital

System, Dallas, TX; Treasurer and Co-founder, Association for the Advancement of Philosophy and Psychiatry

Local community initiatives:

A&H Advisory Board

SCHOOL OF MANAGEMENT

The School's faculty members are involved in numerous professional activities. Several faculty serve on editorial boards of prestigious journals. Our faculty served in 85 editorial positions in 2006. Our faculty members have also been active on conference program committees. Our faculty members served on 47 conference program committees in 2006. The School's faculty, staff and students are also involved in a number of community service projects. Management Honor Program (MHP) students are required to complete a minimum of 60 hours of community service before graduating. MHP students participated in ten community service projects 2006 such as Project 200, Awesome Arts, Choc Orgy, and Up Til Dawn. The advising staff were involved in the following public/communities service activities during 2006: conducted regular information sessions to inform the public concerning the opportunities offered by the School of Management; participated in Scholar's Weekends, an event that brings high school students to the campus; participated in educational fairs for area high schools, non-profit organizations, and business; sponsored the Phi Theta Kappa District II Hallmark Workshop; currently serve on the Adult Non-Traditional Students Association; served on corporate challenge committees, participated in Texas Relay for Life, participated in the Llaves de Exito Conference and Attended LULAC's national conference. The School has been host to many events that have benefited the community, such as the U.S. Holocaust Museum Symposium, Tzu Chi, Pinewood Derby, Dallas PHP/MySQL User's Group, Bridging the Gap Conference, Leadership Workshops, Cub Scouts Blue and Gold Banquet, Shimane Delegation from China, CEO Lecture Series, CIA Review, Metroplex Technology Business Council 1st Friday Luncheon, Positioning Women for Corporate Boards, Greater Dallas Indo-American Chamber of Commerce Youth Conference, Corporate Wellness Program etc.

- Greater Dallas Asian American Chamber of Commerce: Professor Mike Peng, as a volunteer, facilitated a session at its board retreat, January 2007

Relationships (non-consulting) with companies headquartered in Dallas, such as Frito Lay, Pepsico, J.C. Penney, Brinker Restaurants and others involving exchange of ideas and data.

Projects with important public policy implications, including studies of:

- o Effects of copyright law

- o Music file sharing
- o Relation between consumption of snack foods and obesity
- o IT security

Participation in local organizations. For example:

- o Greater Dallas Asian American Chamber of Commerce: Professor Mike Peng, as a volunteer, facilitated a session at its board retreat, January 2007

Certificate Lean 6 Sigma

- “Industry Speaker Series” where industry speakers visit the campus and present about a current topic in product lifecycle or supply chain management. Typically one a month.
- “Webinars” to provide the content more conveniently to the community and also expand our coverage nationally. Typically one or two a year.
- “Half Day/ One Day Event” on a strategic topic sponsored by industry. Typically one or two a year.

Sourcing Management

1. Conducted a Webinar on sourcing management that was attended via conference call by 30 attendees.
2. Conducted a Panel Discussion on sourcing management with a local professional society.
These sessions are free for the local community and friends of UTD/ SOM/ C4iSN to attend.

Supply Chain Management

Conducted two supply chain case study presentations that were open to the public at no charge.

SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

Biology

Faculty members have reviewed grants and manuscripts and have been involved in other professional and public service activities, exemplified by the following:

Faculty member Bulla:

Reviewer for Greece Ministry of Development, National Institutes for Biological Sciences

Member of Editorial Board, Experimental Biology and Medicine, 2005-2010

Faculty member DeJong:

Member of Grant Peer Review Committee 'Genetic Mechanisms of Cancer' (GMC); American Cancer Society, Atlanta, GA (January 25-26, 2006)

Member of Grant Peer Review Committee 'Genetic Mechanisms of Cancer' (GMC); American Cancer Society, Atlanta, GA (June 17-18, 2006)

Member of Genetic Mechanisms of Cancer (GMC) grant review committee for the American Cancer Society Term (Jan 1, 2007 to Dec. 31, 2010)

Faculty member Gonzalez:

Member of the National Science Foundation Plant Biotic Interactions Review Panel.

Member of the National Institutes of Health Minority Biomedical Research Support Program - Genetics Study Section.

Board member of the SciTech Discovery Center, which is a community initiative to build a mid-scale science center in Plano

Faculty member Goodman:

Chairperson, NIH/National Human Genome Research Institute Special Emphasis Panel, Screening Assay Development for Sickle Cell Disease

Editor-in-Chief, Experimental Biology & Medicine

Member of Editorial Board, Brain Research Bulletin

Member of Editorial Board, Cellular & Molecular Biology LettersMember

Member of Editorial Board, Cellular & Molecular Biology

President of the Association of Anatomy, Cell Biology, and Neurobiology Chairs
(AACBNC)

Organized the 2006 AACBNC meeting entitled The future of interdisciplinary research
and training: Breaking down the barriers.

Organized and Chaired a Symposium entitled "New Functions of the Spectrin
Membrane Skeleton" at the 06 Experimental Biology meeting in San Diego, CA

Faculty member Hannig:

Reviewed Lab Manual: Cappucino, J. G., and Sherman, N. Microbiology: A Laboratory
Manual, 8th ed Benjamin Cummings, publisher

Faculty member Pace:

Organizer of High School Summer Research Program - Sickle Cell Disease Research
Center (June 2006)

The program encourages high school students to pursue careers in science and research.
The hands-on six-week long initiative is housed on the UTD campus and helps students
gain a better appreciation for biomedical research and the contribution it makes to
improve the prevention, diagnosis and treatment of diseases

Faculty member Spiro

Member of Editorial Advisory Board, Molecular Microbiology

Member of Editorial Board, Bioscience Education Electronic Journal

Member of Editorial Advisory Board, Current Chemical Biology

Member, Faculty of 1000 (Microbial Physiology and Metabolism Section)

Chemistry

Chemistry Student Association: <http://www.utdallas.edu/chemistry/csa>

The Chemistry Student Association at the University of Texas at Dallas is a student
affiliate chapter of the American Chemical Society. Our purpose is to promote and foster
interest in the sciences among students of all ages, as well as to act as a liaison between
the students at UTD and the faculty in the chemistry department. Some of the events we
are involved in include Kids in Chemistry Day, Sounds of Class Carnival, Math and

Science Camp, and other chemistry demonstrations. CSA also provides interactions between students outside of a classroom setting. Social events include barbeques, broomball, and other gatherings.

Ahn: Co-Chair, Student Affairs Committee, American Peptide Society; Reviewers for Proceedings of the National Academy of Sciences of the United States of America, Journal of the American Chemical Society, Journal of Combinatorial Chemistry, Organic Letters, and Bioorganic Medicinal Chemistry Letters.

Yang: Promoted, prepared and submitted an interdisciplinary Project proposal on “Continuous CNTs Growth using Atmospheric PECVD and harvesting CNTs therefrom” to KITECH together with EE Department, Gil Lee and Larry Overzet and NSM, DJ Yang

Dieckmann:

Served as professional referee for several journals:

BBA—Proteins and Proteomics (1 manuscript)

Carbon (1 manuscript)

Chemistry of Materials (2 manuscripts)

Current Nanoscience (1 manuscript)

Journal of Materials Chemistry (1 manuscript)

Journal of Physical Chemistry (1 manuscript)

Journal of the American Chemical Society (2 manuscripts)

Langmuir (1 manuscript)

Organic Letters (1 manuscript)

Tetrahedral Letters (2 manuscripts)

Served as professional reviewer of grants:

Israel Science Foundation, Individual Research Grant (1 grant)

Current member of editorial board:

Current Nanoscience

Experimental Biology and Medicine

Ferraris:

UTD SPRING coordinator: The duties of this position include overseeing the budgets, publicity and coordination of the UTD SPRING (Strategic Partnership for Research in Nanotechnology) effort with the other SPRING components (UT Austin, UT Arlington, Rice University, U. Houston, U.S. Air Force).

Reviewer for:

Journal of the American Chemical Society

Chemistry of Materials

Advanced Materials

Macromolecules

Polymer

Journal of Materials Chemistry

Pantano:

Editorial Board Member for Applied Spectroscopy Reviews

Proposal Reviewer for the National Science Foundation (x2)

Manuscript Reviewer for Analytical Chemistry (x2)

Manuscript Reviewer for Analytical and Bioanalytical Chemistry (x2)

Manuscript Reviewer for Analytica Chimica Acta

Manuscript Reviewer for Microchemical Journal (x3)

Manuscript Reviewer for Journal of Fluorescence

Manuscript Reviewer for Measurement Science and Technologies

Sibert:

Research Mentor for the Welch Foundation Summer High School Scholar Program

Research Mentor for the PISD High School "High-Tech" Scholar Program

Research Mentor for the Clark Foundation Summer Scholar Program

Organizer/Host of UT-Dallas' 4th Annual "Kids in Chemistry" Day

Science Advisor/Contributor, Dallas Morning News Feature Article on Nickelodeon's "Slime Across America Tour"

Numerous outreach activities including those at the Science Place Museum, Texas Instruments and the Harrington Library (Plano)

Sherry:

Director, Advanced Imaging Research Center, UT Southwestern Medical Center

External Advisory Board Member, Small Animal Cancer Imaging Research Program, MD Anderson Cancer Center, Houston.

Served as External Advisor for development of a molecular imaging database – part of the NIH Roadmap for the National Cancer Institute.

External Advisory Board of the NCI Molecular Imaging Program, Oct 2004 to present

Musselman:

Reviewer of manuscripts for Journal of Vacuum Science and Technology

Editorial Board, Experimental Biology and Medicine

Past-President, Microbeam Analysis Society (August 2005 – August 2006)

Melton:

Co-organizer (with Delta Sigma Theta sorority) and UTD Sponsor for KIC-SEE (Kids in Chemistry-Science in Everyday Experience), a workshop (four Saturday mornings) for middle school students, primarily of African-American origin. The workshop was intended to begin in October 2006, but did not actually start until January 2007.

Physics

UT Dallas physics faculty advise student organizations. Dr. Xinchou Lou is the faculty adviser for Society of Physics Students; Drs Joe Izen and M. Urquhart are faculty advisors to Women in Physics.

The Physics Department works with Women in Physics to organize summer camps for middle school girls. This runs for 5 days and is a hands on activity from which the girls learn some basic physics. Women in Physics consists of a group of women in the graduate and advanced undergraduate programs in physics. Its mission is geared toward 7th grade girls. About 20 students are in the camp each year.

The Physics Department outreach programs have included a Physic Circus that is performed both on campus in the Kusch Auditorium and at various high school and middle school sites. It consists of a series of physics demonstrations designed to attract the interest of young people and stimulate their curiosity about the world. The idea is to present the demonstrations without explanation as an entertainment feature, but with stimulation of the curiosity of the students as a learning tool. The typical presentation lasts about 45 minutes.

Scholars Day is a recruitment activity of the University Admissions Office. It is designed to attract prospective freshmen for the next fall's class. It is geared towards high school juniors and seniors and their parents. Activities include a popular lecture by one of the faculty, a presentation on the degrees offered, courses required, and typical schedule, and an Information Fair where students and parents can interact one-on-one with faculty. There are four Scholars Days scheduled each year.

Another outreach activity involves UTD hosting the regional Science Olympiad on March 31, 2007. The Science Olympiad is a nonprofit organization to increase student interest in science and recognize outstanding achievement in science education. This is one step in a National Science Foundation related competition for high school and junior high students. The students, their parents, and their coaches will be on campus for this event. Beatrice Rasmussen is developing the Physics Lab exercise for the high school students this year. This will consist of a lab exercise with calculations to be performed and questions to be answered.

A number of Physics faculty members have been research mentors for local high school students who participate in UTD's Clark program. These students come to UTD for several weeks of the summer and participate in research with their particular mentor. Some of these students have gone on to do their academic work at UTD and two are currently enrolled as Ph.D. Candidates.

Mathematical; Sciences

Ray Allum Member of the Golden Key International Honour Society.

Michael Baron Associate Editor of the Journal of Sequential Analysis
Referee of the J. of Statistical Planning and Inference, Sequential Analysis, Metrika, J. of Computational and Graphical Statistics. Consulting Activities: Serves as Statistician in an

open-label clinical trial of PROMETA[®]. The research is sponsored by Hythiam, Inc. The clinical trial is conducted by Research Across America in Dallas TX. PI: Dr. H. Urschel.

Yan Cao Reviewer for: IEEE Transactions on Pattern Analysis and Machine Intelligence; IEEE Transactions on Medical Imaging; Experimental Biology and Medicine; Editorial board member of the Open Biomedical Engineering Journal

Mieczyslaw Dabkowski Member of Math Reviews; Reviewer for Journal of Knot theory and Its Ramifications; Reviewer for Fundamenta Mathematica

Sam Efromovich Director of the UTDallas Actuarial Consulting Center; Coordinating Editor: Journal of Statistical Inference and Planning; Associate Editor: The Annals of Statistics Methodology and Computing in Applied Probability; NSF Panelist (DMS-Statistics, 2006/2007); Organizer of an invited session at Joint Statistical Meeting in Salt Lake City

M. Ali Hoohsyar Member of Math Focus Group which is charged with the study of retention issues in gateway courses; Member of a DFW-wide Committee with UTD, UNT and UT-Arlington universities participating; to consider creation of a DFW Mathematics Institute, enhance collaboration among different universities in DFW; Reviewed manuscripts for professional journals

William Scott together with Joanna Robinson, designed and conducted a series of workshops to increase the mathematical knowledge of teachers at St. Anthony School, a South Dallas Charter school, and to provide them with hands-on training in effective classroom strategies for mathematics instruction. Its success led to an invitation to conduct an expanded series of workshops at another South Dallas school, The Golden Rule Charter School.

Robert Serfling Program Chair-Elect (2007) and Program Chair (2008), Nonparametric Statistics Section, Joint Statistical Meetings; Editorial Advisor, Journal of Probability and Statistical Science; Reviewed individual research proposals for funding agencies; Reviewed manuscripts for professional journals

Paul Stanford was invited to give four talks for the Metroplex Math Circle, to interested Middle and High School students.

Geosciences

AIKEN

Member

Society of Exploration Geophysicists

American Geophysical Union

Institute of Navigation

Dallas Geophysical Society

American Association of Petroleum Geologists
Active Service
Editorial Board, GPS Solutions, (1997-present)
Chairman, INTERFACE (Interdisciplinary alliance for digital field data acquisition and exploration), NSF initiative
CARTER
Member
American Association for the Advancement of Science
American Association of Petroleum Geologists
American Geophysical Union
American Institute of Professional
American Institute of Mining Engineers (SME, Trinity Section)
Geological Society of America
Metropolitan Philosophical Society
Mineralogical Association of Dallas
National Association of Geological
North Texas Materials Characterization Society
Phi Theta Kappa
Sigma Xi
Society of Texas Environmental Professionals
Texas Academy of Science
Active Service
Member, LADTAG (Lunar Airborne Dust Toxicity Advisory Group)
FERGUSON
Member
American Geophysical Union
Society of Exploration Geophysicists
Seismological Society of America
Environmental and Engineering Geophysical Society
MCMECHAN
Member
American Geophysical Union
Society of Exploration Geophysicists
Seismological Society of America
Environmental and Engineering Geophysics Society
Active Service
Editorial Board, Journal of Seismic Exploration (1991-present)
Member, Board of Directors of the Incorporated Research Institutions for Seismology
RUTFORD
Member
Geological Society of America (Fellow)
American Polar Society
Arctic Institute of North America
Dallas Geological Society
Sigma XI
Texas Academy of Sciences (Fellow)

Nebraska Academy of Sciences
National Association of Geology Teachers
Active Service
Vice Chairman, Board of Trustees of the Geological Society of America
Vice President of the American Polar Society
Advisory Board of the Texas Ramp Project
STERN
Member
American Geophysical Union
Geological Society of America (Fellow)
Active Service
Editor Board, Precambrian Research
Editorial board, International Journal of Earth Science
Participated in review of part of the Geosciences Dept at Caltech University, California

Mathematics and Science Education

Faculty from the Mathematics Education department are heavily involved in service to professional groups, other educational entities, and the community. They function in many roles, some of which are listed below:

- Chair - Greater Dallas Council Teachers of Mathematics Competition Committee
- Sole writer, editor, and administer for contests having 500 – 800 students twice a year.
- Sole Writer - DISD Math Olympiads for grades 4 – 12. Students from all DISD schools participate.
- Sole Writer - Lancaster Math Olympiads for grades 5 – 8.
- Sole Writer - CIE [Chinese Institute of Engineering] Math Competitions for grades 4 – 6.
- Member of the Advisory Panel to the Committee on American Mathematical Competitions
- Science competition judge (SCI-TECH Discovery Center), Plano, September 2006
- Chair, question-writing committee, W. L. Putnam Mathematical Competition
- USA Mathematical Olympiad question writer and panelist

EPPS

Criminology

Two faculty members reviewed grant proposals for local criminal justice agencies, and three conducted media interviews regarding local criminal activity. Faculty are actively working with state criminal justice agencies on informational needs and information sharing activity to improve decision-making. One faculty member provided unpaid service to the California prison system on the classification of mentally impaired offenders.

Economics

Memberships:

American Bar Association (Associate Member) (Barry J. Seldon)

American Economics Association (Chetan Dave, Xin Li, Magnus Lofstrom, Todd Sandler, Kevin Sequeira, Barry J. Seldon, Wim Vijverberg)

American Political Science Association (Todd Sandler)

Association of Environmental and Resource Economists (Todd Sandler)

Canadian Economics Association (Chetan Dave, Magnus Lofstrom)

China Economic Association (Todd Sandler)

Chinese Economic Association of North America (Wim Vijverberg)

Dallas/Forth Worth Association of Business Economists (Barry J. Seldon)

Econometric Society (Barry J. Seldon)

Economic Science Association (Chetan Dave, Xin Li)

Economists for Peace and Security (Lloyd J. Dumas)

European Association for Research in Industrial Economics (Barry J. Seldon)

Game Theory Society (Barry J. Seldon)

Industrial Organization Society (Barry J. Seldon)

International Defense Economics Association (Todd Sandler, Kevin Sequeira)

International Studies Association (Todd Sandler)

List Gesellschaft (Todd Sandler)

National Association of Forensic Economics (Barry J. Seldon)

National Association of Scholars (Don Hicks)

NATO Economics Directorate, Economic Committee (Lloyd J. Dumas)

Public Choice Society (Todd Sandler, Kevin Sequeira)

Royal Economic Society (Todd Sandler)

Society of Labor Economists (Magnus Lofstrom)

Southern Economics Association (Chetan Dave, Xin Li, Todd Sandler, Barry J. Seldon)

Western Economic Association International (Todd Sandler)

Organizational Service:

Academic Press/Elsevier Encyclopedia of Violence, Peace, and Security, Associate Editor (Lloyd J. Dumas)

American Journal of Political Science, Editorial Board (Todd Sandler)

Applied Economics Quarterly, Editorial Board (Wim Vijverberg)

Bulletin of Economic Research, Editorial Board (Todd Sandler) Defense and Peace Economics, Special Advising Editor (Todd Sandler) European Review of Economics and Finance, Editorial Board (Todd Sandler)

Fiscal Studies, Editorial Board (Todd Sandler)

Global Resource Action Center for the Environment, Advisory Board (Lloyd J. Dumas) International Journal of Applied Economics, Editorial Board (Wim Vijverberg)

International Studies Perspective, Editorial Board (Todd Sandler)

International Studies Quarterly, Editorial Board (Todd Sandler) Journal of Conflict Resolution, Chairman of Editorial Board (Todd Sandler)

Journal of Public Economic Theory, Associate Editor (Todd Sandler)

Nacao e Defesa, Editorial Board (Todd Sandler)

Public Finance Review, Editorial Board (Todd Sandler) Review of International Organizations, Associate Editor (Todd Sandler)

Southern Economic Journal, Associate Editor (Wim Vijverberg)

Terrorism and Political Violence, Board Member (Todd Sandler)

United Nations Association, Dallas Chapter, Advisory Board (Lloyd J. Dumas)

University of West England/EPSe-Journal of Economics, Peace and Security, Associate Editor (Lloyd J. Dumas) Violence and Terrorism (Annual Editions), Editorial Board (Todd Sandler)

World Bank, Consultant (Wim Vijverberg)

Reviewers:

Reviewer for National Science Foundation (Xin Li) Reviewer for American Economic Review (Xin Li) Reviewer for Journal of Economic Behavior and Organization (Xin Li) Reviewer for Public Finance Review (Xin Li)

Organized Sessions at conferences: Organized and submitted a session on social identity to the 2008 American Economic Association Meetings in New Orleans (Xin Li)

Local community initiatives:

Texas Nanoelectronics Alliance Initiative Working Group member (Don Hicks)

UT System/TAMU System Alliance at TAM-Dallas (Don Hicks)

Verizon/Innerwireless/UTD (SOM) Health-IT Initiative (Enterprise 2020) (Don Hicks)

Center for Intelligent Supply Networks (C4ISN) - Founding/Advisor (Don Hicks)

UT-D Institute of Innovation and Entrepreneurship (IIE) Executive Board (Don Hicks)

SAP/UTD Forum “Barriers to RFID Adoption” member (Don Hicks)

Presented talk on issues of security and peace at the Institute for Interfaith Dialog, Lloyd J. Dumas

Civic organizations:

Greater Dallas Chamber Economist Board (Don Hicks)

Dallas Morning News Board of Economists (Don Hicks)

BioDFW Board of Directors (Don Hicks)

Texas (Office of the Governor) Emerging Technology Fund (Don Hicks)

North Texas Commission (NTC) Literacy Project Board (Don Hicks)

Local government projects:

Richardson Economic Development Technology Advisory Board (REDTAB) (Don Hicks)

Met with the head of Homeland Security for North Texas to discuss assisting them Met with the head of the homeland security for North Texas. Talked about working with them.

Consultant to the Mayor of the City of Richardson on sales tax and transportation issues (Kurt Beron)

Local charities or groups:

Clerk of Session (Bentwood Trail Presbyterian Church) (Don Hicks)

Teacher – Confirmation Class (Don Hicks)

Community social, theatrical, musical or artistic events:

Ongoing performance activities with Nathan Berg trio (USA, a jazz ensemble) and Nathan Berg European Jazz Quartet (Berlin/Dublin), rock bands Halliburton(s) (Dallas/Dublin) and Rockenderberg (Berlin), and jazz-pop trio Monroe (Nathan Berg)

Volunteer with Human Rights Initiative of North Texas, Inc. (Lloyd J. Dumas)

Political Sciences

Multiple organizational memberships and services, including manuscript and proposal reviews for a variety of professional journals as well as for the National Science Foundation.

Collaborative research and teaching arrangements with researchers in Britain, Canada, Mexico, Switzerland, and other countries on methodological and modeling advances, biological weapons, electoral choice and participation, and terrorism and political violence

Sociology

Public service by SOC program core faculty included a number of public lectures and panel presentations, research contracts with a state agency and a large local nonprofit educational agency, and provision of pro bono assistance and placement of student interns with a variety of local health and human service agencies

Evaluation Research Certificate

In the past academic year, the program director has provided pro bono training and technical assistance to several community-based human service agencies, including the United Way of Metropolitan Dallas, Attitudes and Attire, Family Gateway, and the Community Action Partnership of Madera County (CA) on evaluation research and related issues.

Graduate Certificate in Economic and Demographic Data Analysis

Development of statistical skills, including analyses of social data involving social pathologies (Crime, Divorce, etc.) which can be used by practitioners or policy makers to develop intervention plans.

Dr. Bray, who is now the Associate Director of the Williams Institute for Empowerment, is able to incorporate his real-world experiences into the course material.