Thomas E. Linehan, Ph.D., Professor
The School of Arts and Humanities
Arts and Technology

Educational History:

Ph.D., 1981, The Ohio State University, Columbus, OH, Art Education
      Dissertation: <u>Computer –Mediated Model for Visual Preference Research and
      Implications for Instruction in Art.</u>
M.A., 1972, The Ohio State University, Columbus, OH, Art Education (Multimedia)
B.A., 1966, Webster University, St. Louis, MO., Fine Arts (Multimedia)

Employment History:

Director, 2002-Present, Institute for Interactive Arts and Engineering, The University of Texas at Dallas, Richardson, TX.
Professor, 2002-Present, Arts and Technology, The University of Texas at Dallas, Richardson, TX.
Director, 1999-2001, Research Partners Program, College of the Arts, The Ohio State University, Columbus, OH.
Professor of Art Education, 1999-2001, The Ohio State University, Columbus, OH.
President, 1996-1999, Ringling School of Art and Design, 2700 North Tamiami Trail, Sarasota, FL. 34234-5895
Director, 1994-1996, Information Technologies Research, Houston Advanced Research Center, (HARC), 4800 Research Forest Drive, The Woodlands, TX. 77381
Senior Vice President, 1992-1994, CRSS Architects, Inc., 1177 West Loop South, Suite 800, Houston, TX. 77027 (CRSS Architects, Inc. merged in 1994 with HOK Architects, St. Louis, MO.)
Associate Dean, 1989-1992, College of Architecture, Texas A&M University, College Station, TX.
Professor of Architecture, Director, 1989-1992, Visualization Laboratory, Texas A&M University, College Station, TX.
Associate Director, 1982-1989, Advanced Computing Center for the Arts and Design, The Ohio State University, Columbus, OH.
Associate Professor, 1984-1989, Department of Art Education, The Ohio State University, Columbus, OH.
Assistant Professor, 1981–1984, Department of Art Education, The Ohio State University, Columbus, OH.
Instructor, 1970–1981, Department of Art Education, The Ohio State University, Columbus, OH.

Professional Recognitions and Honors:

Arts and Humanities Distinguished Chair, 2005-Present, Margaret McDermott Chair in Arts and Technology, The University of Texas at Dallas, Richardson, TX.
Academic Fellow, 2007-Present, Academic Affairs, Office of the Chancellor, The University of Texas System, Austin, TX.
Metroplex Technology Business Council (MTBC) TECH TITANS, Titan of the Future Award, University Level, September 29, 2007, presented to Arts and Technology, The University of Texas at Dallas, Richardson, TX.
Innovations in Education Award, Inaugural Award Presented May 4, 2007 to the Arts and Technology Program, The University of Texas at Dallas, Richardson, TX. by The University of Texas System Chancellor's Council. The council awarded three such awards from candidate programs submitted by the nine universities in the UT System.

Professional Memberships:

Advisory Board, Education and Library Committee, The Dallas Museum of Art, 2005-2009
Steering Committee, "Arts, Technology and Intellectual Property," The American Assembly, Columbia University, New York, NY, 2000-2002
International Game Developers Association, 2000-2009
Editorial Board, LEONARDO, Journal of the International Society for the Arts, Sciences, and Technology, MIT Press, 1988-2009
Advisory Board, J. Paul Getty Trust, Art History Information Program, Los Angeles, CA, 1990-1995

Books authored:

1. Thomas E. Linehan, *Far-Future Conflict Game,* Massively Multiplayer On-Line Game Design Document, US Army Intelligence, Futures, Fort Monroe, VA., May 2006
2. Thomas E. Linehan, *The Interdisciplinary Curriculum Series,* A set of twelve classroom simulation game books, Herder and Herder, New York, 1969.

Books edited:

1. *Visual Proceedings, The Art and Interdisciplinary Programs of SIGGRAPH'93,* Edited by Thomas E. Linehan, Computer Graphics Annual Conference Series, Association For Computing Machinery, (ACM), 1993, 240.

Journal articles:

1. Thomas E. Linehan, "*From Object to Object Transformed",* ACM-SIGGRAPH Art Show Catalog, August 2006
2. Thomas E. Linehan, "Digital Image – Digital Cinema," Communications of the ACM, Vol. 33, No. 7, July 1990, 30-37

3. Thomas E. Linehan, "Computer Graphics: Opportunity for Artistic Vision," Journal of Art Education, Vol. 36, No. 3, 1983, 11-14

4. Thomas E. Linehan, and Guy Hubbard, "Arcade Games, Mindstorms and Art Education," Vol. 36, No. 3, 1983, 18-20

5. Thomas E. Linehan, "The City as an Electronic Game board," The Computing Teacher, Vol. 8, No. 7, 1981, 44-48

Papers and presentations:

1. Thomas E. Linehan with Benjamin Jordan, "Socio-Cultural Training through Behavior Modeling in Interactive Games." Military Modeling Support Activity, INFORMS, San Diego, CA. October 14, 2009.

2. Thomas E. Linehan with Dr. Marjorie Zielke, "First Person Cultural Trainer," Interservice/Industry, Training and Education Conference (I/ITSEC), Orlando FL. 2009.

3. Thomas E. Linehan with Dr. Marjorie A. Zielke, "First Person Cultural Trainer," Urban Operation Modeling and Simulation Summit IX, Lockheed Martin Center for Innovation, Suffolk, VA., April 23, 2009.

4. Thomas E. Linehan with Dr. Marjorie A. Zielke, "First Person Cultural Trainer," ATHENA, JNEM, MINERVA COMMITTEE. NASA, Jet Propulsion Laboratories, Burbank, CA., March 12, 2009.

5. Thomas E. Linehan with Dr. Marjorie A. Zielke, "First Person Cultural Trainer," Urban Operations Modeling and Simulation Summit VIII, Naval Postgraduate School, Monterrey, CA., October 30, 2008.

6. Thomas E. Linehan, "Joint HUMINT War-Gaming Trainer," Office of Deputy Under Secretary of Defense for Readiness and USD. Daniel E. Garner, Director of Readiness and Training, Alexandria, VA., November 7, 2008.

Reports Authored:

The University of Texas System Serious Games Initiative: Innovation in Teaching and Learning The Committee for a Serious Games Initiative, University of Texas System, Office of the Chancellor, Academic Affairs, Austin, TX. September 20, 2008

Proposals submitted:

1."Brilliant Munitions," Submitted with Marjorie Zielke with Lockheed Martin to DARPA-Seedling Grants for a collaborative serious game development for analysis and training. UT Dallas grant portion $240,000. 2009-2010. Disposition: submitted and in review.

2. Spiral Two: Integration of "First Person Cultural Trainer" with Simulation Federates: ATHENA, JNEM, ONESAF and OLIVE **Principal Investigator**: Thomas E. Linehan, Co-Investigator: Marjorie A. Zielke, U.S. Army, TRISA, Fort Leavenworth, KS2009-2010, $450,000. 2009-2010. Disposition: awarded and funding is pending.

Grants/contracts awarded:

"First Person Cultural Trainer"
Principal Investigator: Marjorie A. Zielke, **Co-Investigator**: Thomas E. Linehan
U.S. Army, TRADOC - G2, TRISA, Fort Leavenworth, KS 2008-2009, $500,000.

"Culture and Character: a Training Game"
Principal Investigator: Thomas E. Linehan
U.S. Army Training & Doctrine Command TRADOC – DCSINT FUTURES 2006-2008,
$411,000.

"HUMINT – War Gaming Trainer"
Principal Investigator: Thomas E. Linehan
U.S. Joint Forces Command 2006-2008, $220,000.

"User Interfaces for Rich Presence Icons and Animation"
Principal Investigator: Thomas E. Linehan
Alcatel Research and Innovation, Richardson, TX. 2004, $30,000.

"Collaboration on the Development of a User-Friendly GUI for Mobile Telephony Devices"
Principal Investigator: Thomas E. Linehan
Alcatel Research and Innovation, Richardson, TX. 2003, $37,000.

"Collaboration on the Development of a User-Friendly GUI for Telephony"
Principal Investigator: Thomas E. Linehan
Alcatel Research and Innovation, Richardson, TX. 2002, $54,492.

Research Partners Cooperative Agreement
Ohio State University and Vari*Lite, Inc., Dallas, TX. Equipment and Training Grant.
2000-2002, $1,100,000.

"Network to Enhance Art Teaching Through Technology"
Principal Investigator: Thomas E. Linehan
Ohio Learning Network 2000-2001, $49,000.

"Extending Ohio's Access to Global Cultural Knowledge Through Distance Learning
Technology"
Principal Investigator: Thomas E. Linehan
The Ohio Board of Regents
1999-2001, $442,000.

"Image Compression Software Solutions for the Animation of 3-D Seismic Data"
Principal Investigator: Thomas E. Linehan
(For Royal Dutch Shell)

Landmark Graphics Corporation, Houston, TX
January 1, 1995 – March 31, 1995, $93,803.

"Airport Computer Visualization Projects: Bogata and Cali, Columbia and Quito, Ecuador"
Principal Investigator: Thomas E. Linehan
Continental Airlines, Inc. Flight Standards and Training, Houston, TX.
January 1994, $12,200.

"Computer Visualization Research and Training Project"
Principal Investigator: Thomas E. Linehan
Cooperative Agreement between Texas A&M University and CRSS Services, Inc.
July 1, 1991 – June 30, 1992, $99,333.

"Computer Design Simulation"
Principal Investigator: Thomas E. Linehan
Cooperative Agreement between Texas A&M University and The National Endowment for the Arts, Design Program
October 1990 – August 1992, $127,000.

"Academic Challenge Grant"
Co-Investigator: Thomas E. Linehan with Charles Csuri
Ohio Board of Regents
1987-1992, $1,400,000.

"Ohio Eminent Scholar Program: Art and Design Technology"
Proposal Author: Thomas E. Linehan
Ohio Board of Regents, Established an Endowed Chair in Art and Design Technology at The Ohio State University. ($500,000. From the Regents with match from the University.)
1984, $1,000,000.

Teaching:

Doctoral advisement/direction:
Current Ph.D. Advising
Ayman A.Al-amoudi, Ph.D. Advisor 2005
Timothy Van Christopher, Ph.D. Advisor 2005
Pablo Trinidad, Ph.D. Advisor 2005
Elizabeth Jean Alavi, Ph.D. Advisor 2005
James Clayton Innocent, Ph.D. Advisor 2005
Giraud Polite, Ph.D. Advisor 2005
Tuan Chau Ho, Ph.D. Advisor 2006
Chih-Yuan Huang, Ph.D. Advisor 2006
Jeffrey Paul Senita, Ph.D. Advisor 2006
Garman C. Herigstad, Ph.D. Advisor 2006
Carolina Hani Dabbah, Ph.D. Advisor 2007

Anthony Tyler, Ph.D., Advisor 2007
David George Hrisco, Ph.D. Advisor 2008
Katherine C. Fain, Ph.D. Advisor 2009
Jerry Robinson, Ph.D. Advisor 2009

Graduated Ph.D. Advisees

Monica Joyce Evans, Ph.D. <u>Computer Games and Interactive Narrative: A Structural Analysis,</u>
May 5, 2007
Marjorie Ann Zielke, Ph.D. <u>Social Robotic Learning Interfaces as Teaching Devices in Creative,
Collaborative and Expansive Projects</u>, May 5, 2007
Adam Lloyd Brackin, Ph.D. <u>Tracking the Emergent Properties of the Collaborative Online Story
"Deus City" for Testing the Standard Model of Alternate Reality Games</u>, May 17, 2008
Janice Lynn Franklin, Ph.D., <u>Dimensions of Audio in Immersive Digital Interactive Programs</u>,
December 27, 2008

Masters advisement/direction:

Srinath S. Aiyer, ATEC MA Advisor, Graduate of 2004F
Elizabeth Jean Alavi, ATEC MFA Advisor, Graduate of 2005S
Vanessa Paugh, ATEC MFA Advisor, Graduate of 2005S
Jerry M. Robinson, ATEC MA Advisor, Graduate of 2005U
Christopher L. Edwards, ATEC MFA Advisor, Graduate of 2005F
Derek S. Hammons, ATEC MA Advisor, Graduate of 2005F
Chih-Yuan Huang, ATEC MA Advisor, Graduate of 2005F
Kathryn Z. Klaene, ATEC MFA Advisor, Graduate of 2005F
Jeffrey Paul Senita, ATEC MFA Advisor, Graduate of 2005F
Priya D. Shetty, ATEC MFA Advisor, Graduate of 2005F
Russell Lawrence Smith, ATEC MA Advisor, Graduate of 2005F
David George Hrisco, ATEC MFA Advisor, Graduate of 2006S
Sara T. Ishii, ATEC MFA Advisor, Graduate of 2006S
Weichi Kao, ATEC MA Advisor, Graduate of 2006S
Harold Dwayne Leach, ATEC MA Advisor, Graduate of 2006S
Johnny Phu Kha Nguyen, ATEC MA Advisor, Graduate of 2006S
Christopher Eric Baze, ATEC MA Advisor, Graduate of 2006U
Richard D. Hill, ATEC MFA Advisor, Graduate of 2006U
Michael Anthony Smith, ATEC MA Advisor, Graduate of 2006U
Katherine Celeste Fain, ATEC MFA Advisor, Graduate of 2006F
Greta Poulsen, ATEC MFA Advisor, Graduate of 2006F
Elicia Victoria Brandon, ATEC MFA Advisor, Graduate of 2007S
Carolina Hani Dabbah, ATEC MFA Advisor, Graduate of 2007S
Nathan A. Hubbard, ATEC MA Advisor, Graduate of 2007S
Tarunpreet Kaur, ATEC MA Advisor, Graduate of 2007S
Joel M. Ladella, ATEC MFA Advisor, Graduate of 2007U

David William McCullough, ATEC MFA Advisor, Graduate of 2007U
*Emmanuel Nunez Paclibon, ATEC MA Advisor, 2007U
Russell Lawrence Smith, ATEC MFA Advisor, Graduate of 2007U
Brian Michael Edwards, ATEC MFA Advisor, Graduate of 2007F
Lee Ann Harrington, ATEC MFA Advisor, Graduate of 2007F
Kiagho Bukheti Kilonzo, ATEC MA Advisor, Graduate of 2007F
Orawin None Rungsinan, ATEC MFA Advisor, Graduate of 2007F
Kevin R. Taylor, ATEC MFA Advisor, Graduate of 2007F
Richard L. Traynham, ATEC MA Advisor, Graduate of 2007F
Christopher Eric Baze, ATEC MFA Advisor, Graduate of 2007F
Mary Elizabeth Benedicto, ATEC MFA Advisor, Graduate of 2008S
William Clay Beutler, ATEC MFA Advisor, Graduate of 2008S
Kim Leann Crawford, ATEC MA Advisor, Graduate of 2008S
Miguel H. Cubillos-Acevedo, ATEC MFA Advisor, Graduate of 2008S
Singkham Sean Khamnouane, ATEC MFA Advisor, Graduate of 2008S
Daniel J. Langendorf, ATEC MFA Advisor, Graduate of 2008S
Veronica S. Lelewicz, ATEC MFA Advisor, Graduate of 2008S
Mark James McGahan, ATEC MFA Advisor, Graduate of 2008S
Sumaiya Mehreen, ATEC MFA Advisor, Graduate of 2008S
Manuel M. Pecina, ATEC MFA Advisor, Graduate of 2008S
Aaron Morgan Rathbun, ATEC MA Advisor, Graduate of 2008S
Joo Eun Chi, ATEC MFA Advisor, Graduate of 2008U
Christopher R Hewlett, ATEC MA Advisor, Graduate of 2008U
Lucas Miller Johnson, ATEC MFA Advisor, Graduate of 2008U
Raymond B. Johnson, ATEC MFA Advisor, Graduate of 2008U
Abha Joshi, ATEC MA Advisor, Graduate of 2008U
Julia Ann Melvin, ATEC MA Advisor, Graduate of 2008U
Jana Kay Miller, ATEC MFA Advisor, Graduate of 2008U
Ruben Alfonso Lopez Nieto, ATEC MFA Advisor, Graduate of 2008U
James Alfred Brank, ATEC MA Advisor, Graduate of 2008F
Kelly D. Brown, ATEC MFA Advisor, Graduate of 2008F
Kaivan Ghassem-Al-Askari, ATEC MFA Advisor, Graduate of 2008F
John A. Keese, ATEC MFA Advisor, Graduate of 2008F
Betsy Graham Lewis, ATEC MFA Advisor, Graduate of 2008F
Noah Arthur Peters, ATEC MFA Advisor, Graduate of 2008F
Thomas Christopher Roome, ATEC MFA Advisor, Graduate of 2008F
Tatyana Vladimirovna Thorp, ATEC MFA Advisor, Graduate of 2008F
Diing Yuan D. Wang, ATEC MFA Advisor, Graduate of 2008F
Wei Wei Zhang, ATEC MFA Advisor, Graduate of 2008F
*David Leon Ford III, ATEC MA Advisor, 2009S
Rajashi Ghosh, ATEC MFA Advisor, Graduate of 2009S
Monica Ann Kruse, ATEC MA Advisor, Graduate of 2009S
* Michael Dennis Lynch, ATEC MA Advisor, 2009S
Esha D. Patel, ATEC MA Advisor, Graduate of 2009S
**Irene G. Pospelova, ATEC MFA Advisor, 2009S
Joshua Anthony Rylander, ATEC MFA Advisor, Graduate of 2009S

Chitra Shriram, ATEC MFA Advisor, Graduate of 2009S
Anthony Steven Vincenti, ATEC MA Advisor, Graduate of 2009S
Mason Thomas York, ATEC MFA Advisor, Graduate of 2009S
Yiow-Jun Joe Chuang, ATEC MFA Advisor, Graduate of 2009U
Hua Qian, ATEC MFA Advisor, Graduate of 2009U

*   MA Advisor Only, Students have not yet achieved their MA degrees
** MFA Advisor Only, Student has not yet achieved her MFA degree

Classroom teaching:

Prefix	Number	Course
ATEC	7390.021	Advanced Project in ATEC
HUMA	8V99.054	Dissertation
ATEC	5349.501	Interdisciplinary Issues in ATEC
AP	1301-501	Exploration of Arts
HUAS	6375-001	Tech & Visual
HUAS	6393-001	Creativity: Time-Based
HUAS	7390-554	Time-Based Arts
HUAS	8303-059	Readings Aesthetics

Service:

Professional Service:

Art Show Chair, ACM SIGGRAPH 1990 International Conference on Computer Graphics and Interactive Technologies, Dallas, TX August, 1990
Conference Committee Member, ACM SIGGRAPH, International Conference on Computer Graphics and Interactive Technologies. 1992-1993.
Advisory Board Member, J. Paul Getty Trust, Art History Information Program, Los Angeles, CA. 1990-1995
Steering Committee "Arts, Technology and Intellectual Property," The American Assembly, Columbia University, New York, New York 2000-2002
DMA-Dallas Museum of Art, Education, Libraries, Digital Initiatives Committee 2005-2009
International Game Developers Association, 2000-2009
Member, Texas Education Reform Foundation, (TERF) 2009 -2010
Richland College Multimedia Technology (MULT) Advisory Committee, 2006 -2009

International Service:

Program Advisor, ITESM TECNOLOGICO DE MONTERREY, Arts and Technology Program, Monterrey Tech, Monterrey, Mexico 2007 -2009

Program Advisor, CENTRO DE INVESTIGACION EN MATEMATICAS, Animation Program, Guanajuato, Mexico. 2006-2009
Program Advisor, Institut Ingemedia, Ingenierie de L'Internet et du Multimedia, L'UNIVERSITE DU SUD, Toulon-Var, FRANCE.

School Service:

Member of *Ad Hoc* Committee for Promotion to Professor for John Pomara 2008
Chair of *Ad Hoc* Committee for Promotion to Associate Professor for Dean Terry 2008
Chair of *Ad Hoc* Third Year Review Committee for Monica Joyce Evans, Assistant Professor of Arts and Humanities in Arts and Technology 2009
Member of *Ad Hoc* Third Year Review Committee for Todd Alan Fechter, Assistant Professor of Arts and Humanities in Arts and Technology 2009
Arts and Humanities School Peer Review Committee, 2009.
Arts and Humanities, Executive Committee 2007-2009
Arts and Humanities Periodic Performance Review Committee 2008-2009

ATEC Faculty Recruitment and Search Committee Chair:

Mihai Nadin, Ph.D. Computer Science and Aethetics, Ludwig Maximillian University
Midori Kitagawa, Ph.D. Computer Visualization, Texas A & M University
Bruce Barnes, MFA, University of Texas at Dallas
Dean Terry, M.F.A. Digital Video, Claremont University
Frank DuFour, Ph.D. Digital Sound Design, University of Paris
David Parry, Ph. D. English/Digital Narratives, SUNY- Albany
Monica Evans, Ph.D. Computer Game Narratives, University of Texas at Dallas
Todd Fechter, M.F.A. Computer Animation, Ohio State University
Chip Wood, Associate Director, Visiting Associate Professor Interaction Design (Texas Instruments)
Marge Zielke, Ph.D. Intelligent Agents/Virtual Environments, University of Texas at Dallas
Eric Farrar, MFA. Computer Animation, Ohio State University
Lucy Petrovich, MFA, University of Illinois, Chicago.

University Service:

Search Committee, University Vice President for Business Affairs 2005
Search Committee, University Vice President for Research 2007
UT Dallas/ UT System, Facility Programming Committee, Arts and Technology Facility 302-392A 2009.
Vice Chair, UT Dallas Information Resources Policy and Planning Committee 2006-2009
Chair, UT Dallas Campus Facilities Committee 2009-2010
University Safety and Security Council 2009-2010
Member, *Ad Hoc* committee, to review the candidacy of Dr. Balakrishnan Prabhakaran (ECS) for promotion to professor. 2009.