



CURRICULUM VITAE

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Education:

<u>Institution</u>	<u>Concentration</u>	<u>Degree/Date</u>
Virginia Polytechnic Institute and State University, Blacksburg, VA	Industrial Engineering & Operations Research Human Factors Engineering	Ph.D., 1989
California State University, Northridge	Psychology, Applied Experimental	M.A., 1985
California State University, Northridge	Psychology	B.A., 1983

Professional Experience:

<u>Institution</u>	<u>Position</u>	<u>Dates</u>
HumanWise, Inc.	President	Feb 2000 – Present
Wright State University	Professor of BIE	Sept 2000 – Present
Wright State University	Professor of Surgery	Nov 2007 - Present
Private Pilot		June 2002

Professional Awards and Recognition

<u>Title of Award or Recognition</u>	<u>Organization</u>	<u>Date</u>
Research Excellence Award	Wright State University	2002
Nominated Brage Golding Distinguished Prof of Research	Wright State University	2002
Honor Society Member	Tau Beta Pi	2002
Best Paper Award, Simulation & Modeling	AIAA Modeling and Simulation	2001
Award Honoring Innovative use Of Instructional Technology	Center for Teaching & Learning, WSU	2001
Channel 7 News Broadcast	Channel 7 News	2000
Dayton Daily News Article	Dayton Daily News	2000
Profile in WSU Community Magazine	WSU	2000
Nominated Arnold D. Tuttle Award	Aerospace Medical Assoc	1999
Outstanding service award	Department BIE, WSU	1997
Honor Society Member	Alpha Pi Mu	1991
Honor Society Member	Psi Chi	1988

HumanWise Projects

- Subcontractor to Booz Allen Hamilton. May 2007 – Present Lead Principal Engineer for Development of 3D display guidelines for space command and control applications for AFRL/RHCV.
- Phase I SBIR with Infoscitex, Biomimetic Orientation Tracking (BOT). Sept 2006-August 2007. Human Factors Engineering support fo the development of a head tracker used on ship board environments.
- Phase II SBIR with Infoscitex, Biomimetic Orientation Tracking (BOT). April 2008 – March 2010. Human Factors Engineering support fo the development of a head tracker used on ship board environments.
- Subcontractor to Northrup Grumman. Research Scientist at AFRL/HEAL to support research on user-interface design and collaboration. June 2006 – August 2006
- Subcontractor to Gracar, Research and Development of Smart Systems Logistics Command and Control for AFRL, Wright Patterson Air Force Base. Jan 2005 - Dec 2006 Lead Research Scientist. Development of visualization techniques for decision support. Develop requirements that employ technologies and techniques to autonomously collect and fuse critical data in order to create decision quality information and effectively present information to support tasks performed by flightline logistics and operations decision-makers.
- Workshop on Human Computer Interface Design and Usability Engineering For Booz Allen Hamilton, 2004
- Phase I SBIR with Protobox LLC: A Closed-Loop System for Effective Spatial Disorientation Training. Human Factors Engineering support including providing information on SD research, design of simulation training program.
- Phase II SBIR with SDS International Inc.: Helmet Mounted Display (HMD) Interface Design for Head-Up Display (HUD) Replacement. Human Factors Engineering support including symbology design, design of experimentation for testing, and data analysis.
- Phase I SBIR with Protobox, LLC: An Embedded Simulator Test Evaluation Monitor (ESTEEM) to Improve Distributed Mission Training. Human factors engineering support including literature review, interface design, design of experimentation and data analysis.
- Wallace-Kettering Neuroscience Institute. An Initial Human Factors Analysis of an Acute Stroke Care Process in a Hospital Setting. Human factors engineering analysis of the stroke care process at Kettering Medical Center to pinpoint possible areas for process improvement in order to reduce the time to treat patients so that MRI techniques may be studied.
- Wright Patterson Air Force Base Hospital. Human factors support for the analysis of patient handoff between departments to reduce medical errors and enhance patient safety.
- Good Samaritan Hospital . Human factors engineering analysis of medication delivery in the ICU to reduce medication errors and enhance patient safety.
- Phase I and Phase II SBIR with MTL Systems, Inc. Automatic Brightness Controls for Military Cockpits. Lead human factors engineer to support for the development of an automatic brightness control including literature reviews, display measurement, experimental design, setup, procedures, runs, and data analysis, written documentation of results and development of the automatic control algorithm.
- Yellow Springs Instrument Co, Inc. Provide user centered design support and training to engineers toward the development of new product user interfaces.

Scholarship/Publications

Journals

1. Jenkins, J. C., and Gallimore, J.J. (2008) Configural display design features to promote pilot situation awareness in helmet-mounted displays. *Aviation, Space and Environmental Medicine*, 79, 397-407
2. Elder, N., McEwen, T., Flach, J., and Gallimore, J.J. (Accepted). Creating safety in the testing process in primary care offices. *Advances in Patient Safety: From Research to Implementation*, Agency for Health Care Research and Quality.
3. Liggett, K.K. and Gallimore, J.J. (2002). The effects of frame of reference and HMD symbology on control reversal errors. *Aviation, Space, and Environmental Medicine*;73:102-111.

4. Gallimore, J.J. and Stouffer J. (2001) Developing an Algorithm for Automatic Control of Luminance in Cockpits. *International Journal of Aviation Psychology*, 11(2):149-168.
5. Gerace, J. and Gallimore, J.J. (2001) Evaluation of Visual Display Techniques for Assembly Sequence Planning. *Human Factors and Ergonomics in Manufacturing* 11(3):213-231.
6. Gallimore, J.J., Patterson, F.R., Brannon, N.G., and Nalepka, J.P. (2000). The opto-kinetic cervical reflex during formation flight. *Aviation, Space and Environmental Medicine* 2000;71:812-821
7. Gallimore J. J., Brannon, N. G., Patterson, F.R., and Nalepka, J.P. (1999). Effects of FOV and aircraft bank on pilot head movement and reversal errors during simulated flight. *Aviation, Space and Environmental Medicine*, 70(12):1152-60.
8. Stanney, K.M., Salvendy, G., Deisigner, J., DiZio, P., Ellis, S., Ellison, E., Fogleman, G., Gallimore, J., Hettinger, L., Kennedy, R., Lackner, J., Lawson, B., Maida, J., Mead, A., Mon-Williams, M., Newman, D., Piantanida, T., Reeves, L., Riedel, O., Singer, M., Stoffregen, T., Wann, J., Welch, R., Wilson, J., Witmer, B. (1998). Aftereffects and sense of presence in virtual environments: Formulation of a research and development agenda. Report sponsored by the Life Sciences Division at NASA Headquarters. *International Journal of Human-Computer Interaction*, 10(2), 135-187.
9. Patterson F. R., Cacioppo, A. J., Gallimore, J.J., Hinman, G.E., and Nalepka, J.P. (1997). Aviation spatial orientation in relationship to head position and attitude interpretation. *Aviation, Space and Environmental Medicine*, 68(6), 463-471.
10. Brown, M.E. and Gallimore, J.J. (1995). Visualizing of 3-D Structures During Computer-Aided Design. *International Journal of Human-Computer Interaction*, 7, 37-56.
11. Philips C.A., Gallimore, J. J., and Hendershot, D. M. (1995). Walking while utilizing a sensory feedback system with an electrical muscle stimulation gait orthosis. *Medical Engineering and Physics*, 17, 507-513.
12. Gallimore, J. J. and Brown M.E. (1993) Visualization of 3-D Computer-Aided Design Objects. *International Journal of Human-Computer Interaction*, 5, 361-382.
13. Gallimore, J.J. and Brown, M.E. (1993) Effectiveness of the C-Sharp: Reducing Ergonomic Problems at VDT Workstations. *Applied Ergonomics*, 24, 327-336.
14. Gallimore, J. J., Farley, W.W., and Snyder, H.L. (1991). Effects of spatial luminance nonuniformities on visual-task performance and subjective uniformity. *Displays*, 12, 147 - 155.

Full Conference Proceedings

1. Jenkins, J.C., and Gallimore, J.J. (In Press). A Flight Test Evaluation of the Arc Segment Attitude Reference for Use as a Primary Flight Reference in Helmet-Mounted Displays. *Proceedings of the Human Factors and Ergonomics Society's 52nd Annual Meeting*, New York City, September 22-26.
2. Cloud-Buckner, J., Gallimore, J.J., and Wong, P.K. (In Press). Issues in Alerting: Medication Order Entry in Real Practice. *Proceedings of the 12 WSEAS International Conference on Computers*, July 23-25, 2008 Greece
3. Woodley, R.S., Gosnell, M. Prabhala, S., and Gallimore, J.J. (2007). Agents with personality: Human operator assistants. In *Proceedings of the Summer Computer Simulation Conference*. July 15-18. San Diego, CA, pp 1139-1146.
4. Gallimore, J.J., and Wong, P.K. (2007). Implementation of electronic systems for prescribing and delivering medication in hospitals: Issues in real practice. In *Proceedings of the Human Factors and Ergonomics Society Meeting*, 51st Annual Meeting, Baltimore, MD 1 – 5, October, pp. 740-744.
5. Gallimore, J.J., Woodley, R., Noll, W. and Barnes, A.L. (2007). Concepts for an agent-based visualization tool. In *Proceedings of the SPIE Symposium on Defense & Security Display Technologies & Applications for Defense, Security, & Avionics*, April 9-13, 2007.
6. Jenkins, J.C., and Gallimore, J.J. (2007). In *Proceedings of the SPIE Symposium on Defense & Security Display Technologies & Applications for Defense, Security, & Avionics, Enhanced and Synthetic Vision 2007*, Jacques G. Verly, Jeff J. Guell, Editors, 65590H (Apr. 27, 2007)
7. Gallimore, J.J., Matthews E., Cagle R., Faas, P., Seyba, J., and Whited, V. (2007). Integrating Sensor Data with System Information Via Interactive Visualizations. In *Proceedings of the 12th International Conference on Human-Computer Interaction*, Vol 8, LNCS_4557, ISBN: 978-3-540-73344-7.
8. Woodley, R. and Gallimore, J.J. (2007). Concepts for an Agent Based Visualization & Characterization Tool. In *Proceedings of the International Conference on Integration of Knowledge Intensive Multi-Agent Systems*, 300-305.
9. Fass, P., Seyba, J., Young, I., Gallimore, J.J., Quill, L., Matthews, E., Cagle, R. (2006). Collaborative Logistics on the Military Flightline, International Symposium on Collaborative Technologies and Systems Conference; May 2006, 215-219.

10. Tidball, B.E., Prabhala, S. and Gallimore, J., (2006) Making Faces: Exploring Perceptions of Personality Based on Emotional Expressions. In Proceedings of the Human Factors and Ergonomics Conference, 50th Annual Meeting. San Francisco, 16-20 October, 885-888.
11. Gallimore, J.J., and Prabhala, S. (2006). Creating Collaborative Agents with Personality for Supervisory Control of MultipleUCAVs. Human Factors and Medicine Panel Symposium on Human Factors of Uninhabited Military Vehicles as Force Multipliers. Biarritz, France, 9-11 October, 2006. CD-ROM
12. Gallimore, J.J., Quill, L., Cagle, R., Gruenke, J., Hosman, C., Matthews, E., Faas, P., Seyba, J. and Young, I. (2006). User Feedback on RFID and Integrated Flightline Data for Maintenance Decisions. Proceedings of the Institute of Industrial Engineers Annual Conference. May, 2006 Orlando. CDROM
13. Ganapathy. S., Prabhala, S., Narayanan, S., Hill, R.R., and Gallimore, J.J. (2006). Generation of Alternatives Using Interactive Optimization Techniques for Supervisory Control of Unmanned Aerial Vehicles System. Proceedings of the Institute of Industrial Engineers Annual Conference. Orlando, Florida, 20-24 May, 2006 CDROM.
14. Roberts, W.K, and Gallimore, J.J. (2005). Progress towards a Physiological Model of Cybersickness during Virtual Environment Interaction. *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting*. September 26-30. Orlando, FL. pp 2230-2234.
15. Prabhala, S. and Gallimore, J.J. (2005). Perceptions of Personality in Computer Agents: Effects of Culture and Gender. Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting. September 26-30, Orlando, FL, 2005. pp 716-720
16. Prabhala, S., Gallimore, J.J., and Lucas, J. (2005). Effects of Automation on Command and Control of MultipleUCAVs. Proceedings of the Wright State University Engineering Graduate Student Symposium, Dayton, OH, CD-ROM Publication.
17. Prabhala, S. and Gallimore, J.J. (2005). Developing Computer Agents with Personalities. Proceedings of the 11th International Conference in Human Computer Interaction, AUGCOG Conference July 22-27, Las Vegas, NV 2005 CD Rom publication and to be published in a book proceedings.
18. Prabhala, S., Ganapathy, S., Gallimore, J.J., S. Narayanan, and Hill, R.R. (2005). Interactive Optimization for Unmanned Aerial Vehicle Routing. *Proceedings of the Summer Computer Simulation Conference*. July 23-28. Philadelphia, PA, 2005, pp. 90-95.
19. Gallimore, J.J., Maki A., Faas, P., Seyba, J., Quill, L., and Matthews, E. (2005). The Need For A Human-in-the Loop Simulation Testbed for Logistics Decision Support Research. Summer Simulation Conference, 2005, pp. 84-89.
20. Prabhala, S. and Gallimore, J. (2005) Can Humans Perceive Computer Agent's Personalities? Proceedings of the Institute of Industrial Engineers Annual Conference. May 14-18, Atlanta, Paper 317.
21. Prabhala, S. and Gallimore J.J. (2004) Investigation of Error Rates When Controlling Multiple Uninhabited Combat Aerial Vehicles. Proceedings of the Winter Simulation Conference, pp. 1026-1031.
22. Stephens, M., Gallimore, J., and Alberly, W. (2003). Spectral Analysis of Electroencephalographic Response to Spatial Disorientation. Proceedings of the International Symposium on Aviation Psychology (pp. 1131-1136).
23. Wesler, M, Marshak W., and Gallimore, J. (2003) Mobile-computing display type: Situation awareness and performance issues. Proceedings of the Interservice/Industry Training, Simulation, Education Conference, NTSA/NDIA: Orlando, FL, December 2003, (pp. 1174-1184).
24. Prabhala, S., Gallimore, J., and Narayanan, S. (2003). Human Effectiveness Issues in Simulated Uninhabited Combat Aerial Vehicles. Proceedings of the 2003 Winter Simulation Conference, New Orleans (pp. 1304-1038).
25. Narayanan, S., Dave, R., Ganapathy, S., Narakesari, S., Hill, R. Gallimore, J. (2003). Case Studies on Object-Oriented Models And Simulations For Analyzing Complex Systems. Proceedings of the 32nd International Conference on Computers and Industrial Engineering, Vol. 2, pp. 827 – 832.
26. Liggett, K. and Gallimore, J.J. (2001) The OKCR and Pilot Performance During Transitions Between Meteorological Conditions Using HMD Attitude Symbology. In Proceedings of the Human Factors and Ergonomics Society 45th Annual Meeting, (pp. 115-119) Santa Monica. CA HFES
27. Stephens, M., Gallimore, J., and Alberly, W. (2002) Spectral Analysis of Electroencephalographic Response to Spatial Disorientation. Proceedings of the 12th International Symposium on Aviation Psychology: Dayton OH. (pp. 1131-1136).
28. Liggett K K. and Gallimore, J.J. (2002). The effects of frame of reference and HMD symbology on control reversal errors. *Aviation, Space and Environmental Medicine*;73:102-111.
29. Lucas, J. R. Gallimore, J.J. and Prabhala, S. (2001). Using Decision Structures to Analyze Complex Semi-Autonomous Systems. Proceedings of the International Conference on Computer-Aided Ergonomics and Safety, July 30-Aug 1, 2001, Maui, Hawaii

30. Gallimore, J.J., Lucas, J.R. and Narayanan, S. (2001). Human Operator Issues for Uninhabited Aerial Vehicles. Proceedings of the American Institute of Aeronautics and Astronautics Modeling and Simulation Technologies Conference and Exhibit, Aug 6-9, 2001, Montreal, Canada, Paper No: 2001-4192: pp 1-6.
31. Gallimore, J.J., Liggett, K.K. and Patterson, F.R. (2001). The Opto-Kinetic Cervical Reflex in Flight Simulation. Proceedings of the American Institute of Aeronautics and Astronautics Modeling and Simulation Conference and Exhibit, Aug 6-9, 2001, Montreal, Canada, Paper No: 2001-4191: pp 1-7. * Best Paper.
32. Lucas, J.R. and Gallimore, J.J. (2000). Evaluation of human performance in a simulated UCAV control station. In *Proceedings of the Summer Computer Simulation Conference (SCSC)*, July 17 - July 21, 2000. pp 672-677.
33. Wesler, M., Lucas, J., Gallimore, J.J., and Marshak, W.P. (1999). Managing Uninhabited Aerial Vehicle (UAV) Information Employing a Reduced Area / Depth Separated Display. *Proceedings of the Human Factors and Ergonomics Society 43rd Annual Meeting*, (pp. 91-95) Santa Monica, CA: Human Factors and Ergonomics Society.
34. Gallimore, J.J., Brannon, N.G., and Patterson F.R. (1998). The Effects of Field-of-View on Pilot Head Movement During Low Level Flight. In *Proceedings of the Human Factors and Ergonomics Society 42nd Annual Meeting*, Chicago, IL (pp. 6-10).
35. Gallimore, J.J., Stouffer, J.M., Brannon, N.G., and McCracken J. (1998). Developing Automatic Luminance Controls for Liquid Crystal Displays in Military Cockpits. In *Proceedings of the Ninth International Symposium on Aviation Psychology*, Columbus OH. pp. 294-297.
36. Gallimore, J.J., McCracken, J.R., and Gerace, J. (1995). Hardware and human factors issues for military automatic brightness controls. In *Proceedings of the Human Factors and Ergonomics Society 39th Annual Meeting*, San Diego, CA. (pp. 89-93).
37. Brown, M.E., and Gallimore, J. J. (1994) Visualization of CAD objects using a stereoscopic display. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, (pp. 1295-1299) Santa Monica, CA: Human Factors and Ergonomics Society.
38. Gallimore, J.J., Mitta, D. and Gerace, J. (1994). Recognizing the need for human factors in advanced manufacturing. In *Proceedings of the 3rd Industrial Engineering Research Conference*, May 18-19, 1994, Atlanta, GA, (pp. 360 - 365).
39. Gallimore, J. J. (1994). Human factors considerations in the design of an assembly planning system. In *Proceedings of the 12th Triennial Congress of the International Ergonomic Association*, August 15-19, Toronto, Canada. Vol 4, (pp 83-85).
40. Gallimore, J.J., and Crabtree, J. (1994). Automatic generation of assembly plans: human factors considerations. In *Human Performance in Automated Systems: Current Research and Trends* (M. Mouloua and R. Parasuraman Eds). pp. 282-286. New Jersey: Lawrence Erlbaum Associates, Publishers.
41. Snyder, H.L., Decker, J.J. Lloyd, C.J.C., and Dye, C. (1990) Effect of image polarity on VDT task performance. In *Proceedings of the Human Factors Society 34th Annual Meeting* (pp. 1447-1451). Santa Monica, CA: Human Factors Society.
42. Snyder, H.L., Decker, J.J. Lloyd, C.J.C., and Dye, C. (1990) Effect of image polarity on VDT task performance. In *Proceedings of the Human Factors Society 34th Annual Meeting* (pp. 1447-1451). Santa Monica, CA: Human Factors Society.
43. Decker, J.J., Dye, C. J., Kurokawa, K., and Lloyd, C. J. C. (1988). Effects of display failures and symbol rotation on visual search using dot-matrix symbols. In *Proceedings of the Human Factors Society 32nd Annual Meeting* (pp. 1386-1390). Santa Monica, CA: Human Factors Society.

Book Chapters

1. Prabhala, S., Ganapathy, S., S. Narayanan, Gallimore, J.J., and Hill, R.R. (2007). Model-Based Simulation to Examine Command and Control Issues with Remotely Operated Vehicles. In *Simulation and Modeling: Current Technologies and Applications*, edited by A.A. El-Sheikh, A. Al-Ajeeli, and E. M. Abu-Taieh.
2. Narakesari, S., Narayanan, S., Gallimore, S. and Draper, M. (2003). Multimodal Interfaces for Supervisory Command and Control. In *Human Centered Computing: Cognitive, Social, and Ergonomic Aspects*, D. Harris, V. Duffy, M. Smith, & C. Stephanidis (Eds.), Vol. 3, pp. 300 – 304.
3. Gallimore, J.J., Chen J., and Chen, C.L.P. (1996) Computer-based aiding for Assembly Planning. In *Manufacturing Agility and Hybrid Automation -I.*, (R. Koubek and W. Karwowski Eds) p 628-631. Louisville, KY: IEA Press.
4. Narayanan, S, and Gallimore, J.J. (1996). Computer-based aiding for pruning search space in manufacturing planning. In *Manufacturing Agility and Hybrid Automation -I.*, (R. Koubek and W. Karwowski Eds) p 632-635. Louisville, KY: IEA Press.

Professional Service/Activities

Trustee on the Board of the United States Air and Trade Show (USATS) Largest Air Show in North America (2000- present)
Chair Education Committee for USATS (2002-present)
External reviewer for two Full Professor cases 2003&2004
Program Committee Member of 13th Annual International Symposium on Aviation Psychology 2003
Hospitality Chair 12th Annual International Symposium on Aviation Psychology 2003
External Reviewer for Full Professor Cases 2003
Private Pilot License (2002)
Interviewed By Russian Radio (2002)
Reviewer For HFES Society Accreditation of Human Factors Programs Program (2002)
Delegate to Russia for Collaborations in Aviation and Aerospace Medicine Researchers (2002)
Interviewed By Russian Radio (2002)
Break out group leader for Conference “Quality in Health Care: It’s more than just trying harder” 2001
Executive Council for Southern Ohio Chapter of HFES 1995-1998
Member Department of Defense Flight Symbology Working Group (FSWG), 1998-2000.
Chair (appointed) Education and Training Committee of the National HFES 1996-1998
HFES Awards Subcommittee member 1998
President Southern Ohio Chapter of HFES 1996-1997
Board Member Journal of Cognitive Ergonomics (1996-2001)
Program Chair Visual Performance Technical Group 1996 National HFES Conference
Session Chair Fifth International Conference on Human Aspects of Advanced Manufacturing Agility & Hybrid Automation
Member of Program Advisory Board for Fifth International Conference on Human Aspects of Advanced Manufacturing Agility & Hybrid Automation 1996
Hosted 1996 North Central Student Leadership Conference for the American Society of Safety Engineers (ASSE)
Assistant Program Chair Visual Performance Technical Group 1995 National HFES Conference
Special Sessions Chair Human Factors and Manufacturing Technology 1994 Industrial Engineering Research Conference (IERC).
Participant NSF workshop on Human Factors in Manufacturing, 1994.
Session Co-chair Human Factors and Ergonomics Society 38th Annual Meeting.
Session Co-Chair, Human Factors and Ergonomics Society 41st Annual Meeting.
Secretary Treasurer of the Visual Performance Technical Group of the HFES (91-94)
Secretary of the Southern Ohio HFES 1992-1993
Editor Human Factors for the Proceedings of the 1993 Industrial Engineering Research Conference
Session Chair Visual Performance Technical Group 1992
Session Chair Consumers Product Group 1992
Associate Editor Visual Performance Technical Group Newsletter (1991-1993)
Special Editor Visual Performance Technical Group National Newsletter entitled “Motion Perception”
Reviewer Aviation, Space and Environmental Medicine
Reviewer International Journal of Cognitive Ergonomics
Reviewer Telemedicine Journal
Reviewer Journal of the Society for Information Display
Reviewer Displays
Reviewer Journal of Experimental Psychology: Applied
Reviewer International Journal of Human-Computer Interaction
Reviewer Journal of Human Factors and Ergonomics
Reviewer Proceedings, Human Factors and Ergonomics Society.
Reviewer IEEE Systems Man and Cybernetics

Teaching

- *Engineering Health Systems (* Courses are also offered as Distance)
- *Supervisory Control of Remotely Operated Vehicles
- *Human Factors in Engineering Design
- *Human Factors Engineering of Visual Displays
- *Human Factors in Computer System Design

Systems Performance Modeling
 *Advanced topics in Human Computer Interaction
 Human Factors in Virtual Reality
 Human Factors Engineering Workload Analysis
 Human Factors Engineering Advances in Visual Display Design
 Experimental Research and Evaluation in Human Factors Engineering
 Human Factors in Rehabilitation
 Industrial Ergonomics
 Engineering Design I
 Engineering Design II
 Engineering Design III

<u>Association</u>	<u>Status</u>	<u>Dates</u>
Human Factors and Ergonomics Society (HFES)	Member	1981 – present
Association for Computing Machinery	Member	1985 – 1992,2006-present
Society for Information Display (SID)	Member	1989 – 1997
Society Professional and Instrumentation Engineers (SPIE)	Member	1989 – 1992
Aerospace Medical Association (AsMA)	Member	1999 – present
Aerospace Human Factors Association	Member	1999 – present
Institute of Industrial Engineering (IIE)	Member	1999, 2001,2004 – present