

Steven Fadden, Ph.D.

A. Professional Preparation

University of Massachusetts at Amherst, Psychology	B.A.	1993
University of Illinois at Champaign-Urbana, Psychology	M.A.	1995
University of Illinois at Champaign-Urbana, Engineering Psychology	Ph.D.	1999

B. Appointments

- Director of Research, Associate Director and Associate Professor, National Institute at Landmark College, April 2005-present.
- Adjunct Faculty Member, George Mason University Department of Psychology (Human Factors and Applied Cognition), January 2004-May 2005.
- Associate, Booz Allen Hamilton, April 2003-March 2005.
- User Experience Architect, PeopleSoft, September 2001-March 2003.
- Adjunct Faculty Member, Brigham Young University Department of Electronics and Information Technology, 2001.
- Human Factors Project Manager/Senior Human Factors Engineer, Intel, August 1999-August 2001.
- Senior Human Factors Engineer, Lockheed Martin Aeronautical Systems, July 1998-August 1999.

C. Publications

1. Shapiro, R.G., Andre, A.D., Lund, A.M., Fox, J.E., Watts-Perotti, J., Fadden, S. 2000. Establishing a human factors career in the new millennium: Answers to frequently asked questions. Proceedings of the Human Factors and Ergonomics Society 44th Annual Meeting. Santa Monica, CA: Human Factors and Ergonomics Society.
2. Shapiro, R.G., Andre, A.D., Lund, A.M., Fox, J.E., Fadden, S., and Trich Kremer, J.D. 2001. Human Factors career issues and answers: Choosing and preparing for a career that works for you. 2001. Proceedings of the Human Factors and Ergonomics Society 45th Annual Meeting. Santa Monica, CA: Human Factors and Ergonomics Society.
3. Fadden, S. and Shovar, N. 2002. Usability test results: Avoiding the road to nowhere. Special Interest Group presented at the 11th Annual conference of the Usability Professionals' Association.
4. Fadden, S. and McQuaid, H. 2003. Fixing what matters: Accounting for organizational priorities when communicating usability problems. Presented at the 12th Annual conference of the Usability Professionals' Association.

Other Publications

1. Fox, J., Fadden, S., Konrad, C., Marsh, R., Merwin, D., Sochacki, J., Sohn, Y., Tham, M., Wickens, C., Lintern, G., Kramer, A., and Doane, S. 1995. Modeling pilot scanning behavior: Strategies and expertise. In R.S. Jensen and L.A. Rakovan (Eds.), Proceedings of the Eighth International Symposium on Aviation Psychology. Columbus, Ohio: The Ohio State University.
2. Fadden, S., and McConkie, G. 1996. The use of eye movement measures in reading: Toward an understanding of the relationship between fixation durations and cognitive processing. Beckman Institute Human Perception and Performance Group Technical Report, Series Number HPP-96-02. Beckman Institute, University of Illinois: Urbana, IL.
3. Wickens, C. D., Fadden, S., Merwin, D., & Ververs, P. M. (1998). Cognitive factors in aviation display design. Proceedings of the 17th Digital Avionics Systems Conference. Institute of Electrical & Electronics Engineers.

4. Fadden, S., Wickens, C.D., & Ververs, P.M. 2000. Costs and benefits of head-up displays: An attention perspective and a meta analysis (Paper # 2000-01-5542). 2000 World Aviation Congress. Warrendale, PA: Society of Automotive Engineers.
5. Fadden, S., Ververs, P.M., and Wickens, C.D. 2001. Pathway HUDs: Are they viable? *Human Factors*, v. 43, no. 2. Human Factors and Ergonomics Society.

D. Synergistic Activities

1. Member of multiple industry groups and committees for technology-related standards and best practices, including the following:
 - Member, Industry Usability Reporting Project (1999-present). Participating in National Institute of Standards and Technology initiatives to improve reporting of usability results and research methods. In 2001, the “Common Industry Format for Usability Test Reports” was approved as standard ANSI NCITS 354-2001.
 - Corresponding member, Usability of Everyday Products Committee (2000-present). Working with ISO TC159/SC1/WG4 to develop an international standard regarding the “Usability of everyday products: Universal design and evaluation of ease-of-operation, efficiency, and satisfaction.”
 - Member and Subject Matter Expert, American Institute of Aeronautics and Astronautics Satellite Best Practices Working Group (2003-present). Reviewing and developing content for development and identification of best practices for satellite operations and procedures.
 - Founding Editorial Board Member for *User Experience* magazine (2000-2005). Worked with other founding editorial board members to create this magazine, which is now a primary publication from the Usability Professionals’ Association. Primary focus was on developing content for the “Applied Research” and “Usability in Practice” columns.
 - Past Member, G-45 Human Factors Committee, Government Electronics and Information Technology Association, Electronics Industry Alliance (1999-2000, 2003-2005). Worked with other industry professionals to identify issues of concern related to human factors processes and human-machine interface design. Reviewed and revised several government standards, including MIL-STD-1472 and MIL-HDBK-46855.

E. Collaborators & Other Affiliations

- **Collaborators and Co-Editors.** *Academia:* Christopher D. Wickens (University of Illinois at Urbana-Champaign); Carl Smith, Deborah Boehm-Davis (George Mason University). *Industry:* Paul Mafera, Barbara Palmer, Robert Wilson, James Hitt II (Booz Allen Hamilton); Stephanie Kreseen-Imbembo (Northrup Grumman); Heather McQuaid (MAYA Design); Nicki Shovar (Ubisoft); Patricia May Ververs (Honeywell).
- **Graduate and Postdoctoral Advisors.** Currently serving on the dissertation committees for two students in the Human Factors program (Psychology Department) at George Mason University: Carl F. Smith, L. Ricardo Prada. Principal advisor: Deborah Boehm-Davis.
- **Thesis Advisor and Postgraduate-Scholar Sponsor.** None.