

Resume
Dennis K. McBride

Professional Experience

2001—Present

President, **Potomac Institute for Policy Studies**, Arlington, Virginia, USA
(Additional offices in New York, London, Genoa, Auckland)

Non-partisan, not-for-profit, academic think tank, providing expertise to Congress, the Administration, and state government; with specialties in science and technology policy, impact of innovation, and the challenges of security

Affiliated Professor, **Georgetown University** Public Policy Institute (teach 3 courses)
Research Professor, Krasnow Institute for Advanced Study, **George Mason University**
Affiliated Faculty, Institute for Humane Studies, George Mason University
Co-Editor-in-Chief, Technology

1999—2001

Professor (Departments of Psychology, and Industrial Engineering [tenure]), and Executive Director (Dean level), Institute for Simulation and Training, University of Central Florida, Orlando, Florida

1979—1999 Naval Aerospace Experimental Psychologist (AEP; 72, 1980--)

[Direct Commission, Medical Service Corps, U.S. Navy, 1979; Retired, CAPT (O-6), 1999]

1997—1999, Program Officer, Biomedical Science and Technology

Naval Medical Research Institute, Bethesda, Maryland and
Office of Naval Research, Arlington, Virginia

1994—1997, Chief Scientist, Modeling and Simulation

Naval Research Laboratory, Washington, DC

1989—1994, Program Manager, Simulation Technology

Defense Advanced Research Projects Agency, Arlington, Virginia

1987—1989, Head, Computer Simulation Branch, Flight Test Officer

Manned Flight Simulator, Naval Air Test Center, Patuxent River, Maryland

1984—1987, Director, Manned Systems Laboratory

Pacific Missile Test Center, Point Mugu, California

1982—1984, Chief, Engineering Psychology Division

Naval Aerospace Medical Research Laboratory, Pensacola, Florida

1980—1982, Project Officer, Aircraft and Crew Systems Division

Naval Air Development Center, Warminster, Pennsylvania

1979—1980, Student Naval Aerospace Experimental Psychologist

Naval Aerospace Medical Institute, Pensacola, Florida

Educational

Ph.D. (1979), M.S. (1978), B.S. (1975) Experimental Psychology, The University of Georgia

Ph.D./ABD (Enrolled 1994--), London School of Economics

M.S. (1987), Systems, University of Southern California

M.S., MPA (1984), Public Administration, S&T Policy, Troy State University

Graduate (1980), Student Flight Surgeon Class, Naval Aerospace Medical Institute

Graduate (1988), Flight Test Engineer Training Program, University of Tennessee Space Institute

Visiting Scholar (1996), Santa Fe Institute (for the study of complex systems)

Past Adjunct Academic Appointments

Research Professor, Rockefeller Neuroscience Center, Johns Hopkins University; Instructor, The University of Georgia, Penn State University, University of West Florida, University of South Alabama, University of Denver, St. Mary's College

Professional Certifications

Certification, Professional Ergonomics (CPE; 603, 1993--)
Board of Certification in Professional Ergonomics, Bellingham, Washington
Certification, Professional Modeling and Simulation (CMSP; C00023, 2002--)
M&S Professional Certification Commission, National Training Systems Association

Recent Sponsorship Awards; Principal Investigator; Reviews

National Science Foundation, Central Intelligence Agency, Office of Naval Research, Defense Advanced Research Projects Agency, Department of Homeland Security, National Institute of Standards and Technology, U.S. Coast Guard, Pharmaceutical Industry

Recent National Academy of Science, National Research Council Leadership

Chair, Panel, Engineering of Complex Systems, Pioneering Revolutionary Technology (NASA)
Member, Modeling and Simulation Study (DoD)
Member, Scalable Robotic Interfaces Exploratory Study Panel

Current Academic, Professional Board Appointments

Member, Board of Directors, Board of Certification in Professional Ergonomics
Member, Steering Committee, Human Systems Information Analysis Center
Member, Certified Modeling & Simulation Professional Oversight Council
Member, Industrial Advisory Board, Information & Software Engineering, Mason University
Member, Board of Advisors, Institute for Creative Technology, University of Southern California

Publicly Elected Position

Board of Directors, Pen Air Federal Credit Union (1983-5), Pensacola, Florida

Selected Professional Awards

Post-Doctoral Research Advisor, National Research Council Associateship Program (1983-)
Co-Author, Best Scientific Article (Fellows), Aerospace Medical Association (1985)
Fourth in Class (Technical Projects), Flight Test Engineer Training Program, UTSI (1988)
Selected as NASA Astronaut Candidate (Mission Specialist), Navy Selection Board (1989)
L.P. Coombes Medal, Australian Institution of Engineers (1994)
Sigma Xi (National Research Society); Psi Chi (Honor Society in Psychology)
Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal,
Joint Service Commendation, Navy Commendation and Achievement Medals

Editorial Positions and Reviewerships

Editor-in-Chief (2003–2005), *Review of Policy Research*
Editorial Board, *International Journal of Human Computer Interaction*
Editorial Board, *Theoretical Issues in Ergonomics Science*
Editorial Associate, *Behavior and Brain Sciences*
Periodic Reviewer: *Politics and the Life Sciences*, *International Journal of Industrial Ergonomics*, *Human Factors and Ergonomics*, *Journal of Sex Research*

Expert Witness Experience

Criminal Cases (available on request)
Civil Cases (including support to Supreme Court ruling; available on request)

Selected Publications, Old and New

Experimental and Differential Psychology

McBride, D. K. and Payne, R. B. Psychomotor reminiscence as a function of sex and length of rest period. *Journal of Motor Behavior*, 1979, 11, 59-64.

McBride, D. K. and Payne, R. B. (1980) The sex difference in rotary pursuit performance: Aptitude or inhibition? *Journal of Motor Behavior*, 12, 270-280.

McBride, D. K. and Payne, R. B. (1979) Reactive inhibition theory and intertrial correlations. *Journal of Motor Behavior*, 11, 253-259.

McBride, D.K. (1998) Individual differences in the performance of highly learned skill. *Perceptual and Motor Skills*, 86, 985-986.

McBride, D.K. (Ju;u 2005) The quantification of human information processing. In McBride, D.K. & Schmorow, D.D. (Eds.) *Quantification of Human Information Processing*. New York: Lexington.

Ergonomics and Other Engineering

McBride, D.K., Lambert, J.V., Murray, D. & Hitchcock, L. (Eds.) (1982) *Design for Maintainers*. Johnsville, PA: Naval Air Development Center.

Mulligan, B. E., Goodman, L. S., McBride, D. K., et al. (1984) *Human Engineer's Guide to Auditory Displays, Volume I: Elements of Perception and Memory Affecting Auditory Displays; Volume II: Elements of Signal Reception and Resolution Affecting Auditory Displays*. Orlando, FL: NTEC Publications.

McBride, D. K., Lambert, J.V., and Lane N. E. (1985) The development of a standardised, computer-based abbreviation algorithm. *Behaviour and Information Technology*, 4 (3), 239-247.

McBride, D.K. (2000) Provision of enabling technology in professional sports. *Perceptual and Motor Skills*, 90, 1219-1230.

McBride, D.K. et al. (2003) Engineering for complex systems. In National Research Council, *Review of NASA's Aerospace Technology Enterprise: An Assessment of NASA's Pioneering Revolutionary Technology Program*. Washington: National Academies Press.

McBride, D.K., Sheldon, E. & Franceschini, R. Patent application: *Affective computer generated forces*. USPO Ser. 10/133,845, pending.

McBride, D.K. & Schmorow, D.D. (Eds.) (2005) *Quantification of Human Information Processing*. New York: Lexington.

Training Science and Technology

McBride, D.K. (1993) Odin. In, Seidel, R.J. and Chatelier, P.R. (Eds.), *Advanced Technologies Applied to Training Design*. New York: Plenum.

Funk, S. and McBride, D.K. (2000) Training in the twenty-first century. In, Tobias, S. and Fletcher, D. (Eds.), *Training and Retraining*. New York: Plenum.

Medical Sciences

Houghton, J. O., McBride, D. K., and Hannah, K. (1985) Performance and physiological effects of acceleration-induced (+Gz) loss of consciousness. *Aviation, Space and Environmental Medicine*, 56, 956-965.

Kopke, R.D, *et al.*, and McBride, D.K. (2000) Reduction of noise-induced hearing loss using L-NAC and salicylate in the chinchilla. *Hearing Research*, 149, 138-146.

Dobie, T., McBride, D., Dobie, T. Jr., and May, J. (2001) Effects of age and sex on susceptibility to motion sickness. *Aviation, Space, and Environmental Medicine*, 72 (1), 13-20.

Javitt, J.C., Ginsburg, A.P., Paggiarino, D.A., McBride, D.K. and Matson, W. (In press) Improved driving ability with prolate-surface intraocular lens implantation: Technical results and public policy implications. *Journal of Cataract and Refractive Surgery*.

Javitt, J., McBride, D., et al. (In press) Wavefront-corrected intraocular lenses associated with significantly improved night driving ability in elderly patients. *Journal of the American Academy of Ophthalmology*.

Economics, Public Policy

McBride, D.K. (1998) In the land of the blind, the one-eyed man is king: A review of cognitive economics. *Complexity*, 4 (2), 32-35.

McBride, D.K., Worcester, L.L., and Tennyson, S.L. (1999) Women's athletics and the elimination of men's sports programs: A reevaluation. *Cato Journal*, 19 (2), 323-330.

McBride, D.K., Fogel, G., and Garrett, R.L. (2001) Bio-cyber terrorism. In Alexander, A. and Swetnam, M. (Eds.), *Cyber Terrorism and Information Warfare*. Ardsley, New York: Transnational.

McBride, D.K. (2003) Balance between privacy and security: Not new but never more important. *The Officer*, 79 (5), 17-19.

McBride, D.K. (2003) Modeling and simulation for biological terrorism. In Siegrist, D. and Tennyson, S. (Eds.), *Technologically Based Biodefense*. Arlington: Potomac Institute for Policy Studies Press.

McBride, D.K. Womanhood in the Kingdom of Saudi Arabia. (In review)

Scientific, Technology Works Highlighted (inter alia)

Chronicle of Higher Education; Omni; New York Times; Washington Post;
Radio New Zealand; Radio Network International; Canadian Broadcasting Corporation;
To Your Health; New Scientist; Business Week; Los Angeles Times;
ABC News; UPI; National Defense; Baltimore Sun; Macon Telegraph and News;
Orlando Sentinel; Artificial Intelligence; Health; Prevention; Defense News Network; Navy Times; Army Times; inter alia

Current Graduate Level Courses Taught (Georgetown University Public Policy Institute)

Management of Policy Analysis (PPOL 740)

Management of Program Evaluation (PPOL 742)

Master's Research Project (PPOL 800)