***CURRICULUM VITAE***

**Dennis K. McBride, Ph.D., MS, MSSM, MPA, M.S.P.A., B.S.**

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**1. PERSONAL INFORMATION**

**A. Education:**

Undergraduate: Macon College, Macon, GA, U.S., 1971-1973, A.A., Chemistry

University of Georgia, Athens, GA, U.S., 1973-1975, B.S., Psychology

Graduate Education: University of Georgia, Athens, GA, U.S., 1975-1978, M.S., Exp. Psychology

University of Georgia, Athens, GA, U.S., 1975-1979, Ph.D., Exp. Psychology

(Behavioral Neuroscience)

Viterbi School of Engineering, University of Southern California,

Los Angeles, CA, 1985-1987, M.S.S.M., Systems

Troy State University, Troy, AL, U.S., 1982-1984, M.S.P.A., MPA

(Public Administration)

Medical Education: Naval Aerospace Medical Institute, Pensacola, FL, 1979-1980

Designation, Naval Aerospace Experimental Psychologist

Institute of Statistics Education, Arlington, VA, 2018-2020, Certificate,

Biostatistics (Analytics and Statistical Studies)

Continuation Professional Education:

**Selected Continuing Education (\*academic credit)**

Certificant, Flight Simulation Engineering Summer Course, MIT, 1988\*

Certificant, Engineering Management, George Washington School of Engineering, 1987\*

Certificant, Systems Safety, University of Indiana, 1982

Certificant, Government R&D Contracting, Sterling Institute, 1981

Certificant (resident), Operations Research Summer Course, University of Michigan, 1981\*

Certificant (resident), Human Factors Engineering Course, University of Michigan, 1980\*

Certificant, Advanced Biostatistics, Institute of Statistics Education (2020)

**B. Professional Experience:**

# Professional Experience

Research Professor, Virginia Tech, Virginia Tech Research Center, Arlington, Virginia, U.S., 2021--present

Professor of Practice, Center for Public Administration and Policy (2021--)

2022-2024—Director, Acquisition Innovation Research Center (University-Affiliated Research Center)

Member, Board of Directors and Chief, Hope Therapeutics (Division), NRx Pharmaceuticals,

Radnor, PA, 2024--

Chief Strategy Officer, Senior Scientist: NRx Pharmaceuticals, Radnor, PA, U.S., 2017-2024

VP, Strategy & Innovation / Chief Strategy Officer, Source America, Vienna, VA, U.S., 2015—2020

Director and Distinguished Scholar, Senior Executive, Center for Technology and National Security Policy,

National Defense University, Washington, DC, U.S., 2014 – 2015 (one-year appointment)

Associate VP Research & Economic Development, George Mason University, Fairfax, VA, U.S., 2012-2014

Program Manager, Defense Advanced Research Projects Agency, Arlington, VA, U.S., 2010 – 2012

Affiliate Professor, Georgetown University, Washington D.C**. (see below for courses taught)**

Department of Microbiology & Immunology **2003—2012:**

Adjunct Professor, Georgetown Public Policy Institute (now McCourt), **2003--2009**

*Supervise:*

Research Internship for Scientists (MICB 900, 902)

Direct supervision of 20+ research project completions

Affiliated Professor, **McCourt School of Public Policy (formerly GPPI)**

*Instructor:*

Public Policy Decision Making (PPOL 740)

Evaluation of Government Programs (PPOL 742)

National Security, Foreign Policy (Technological Superiority; PPOL 850)

Ethical Decision Making: Leading in an Interagency Environment (contract DOD)

*Supervise:*

PPOL 800, PPOL 701, 702 (thesis project chair)

Directed supervision of 50+ graduate research degree completions

President, Senior Fellow, Potomac Institute for Policy Studies, Arlington Virginia, U.S., 2001—2009

President Emeritus in 2009--

Chief, Potomac Academic Centers

Center for Neurotechnology Studies (Prof. James Giordano, Director)

International Center for Terrorism Studies (Prof. Yonah Alexander, Director)

National Security Health Policy Center (Dr. Don Donahue, Director)

National Center for UnconventionalThought (Prof. Sean Fitzpatrick, Director)

Risk Analysis Center (served as Co-Director)

Professor and Executive Director (Dean), Institute for Simulation and Training,

University of Central Florida, Orlando, FL, U.S., 1999-2001

(note: resigned and voluntarily surrendered tenure due to family move issues)

Director, Central Florida Research Park (1999-2002)

Visiting Professor of Modeling and Simulation (appointed 2001--)

**1999—2001**: **University of Central Florida**, Orlando, FL

Professor and

Executive Director, Institute for Simulation and Training

Elected by faculties as:

Professor of Psychology, College of Arts and Sciences, and

Professor of Industrial Engineering and Management Science,

College of Engineering and Computer Science (home of tenure)

Dean level position; direct report to Vice President for Research

Selection based on highly publicized, competitive, national search

CEO equivalent of internationally respected research institute (150+ employees)

Tripled research revenue, facilities, cross-faculty collaboration

Collateral *de facto* Director, **Central Florida Research Park**

Member, Naval Air Systems Command, Training Systems Division Consortium Institutional Review Board

Instructor for:

Graduate Human-Computer Engineering (EIN 6258; College of Engineering, Computer Science)

Undergraduate Psychology (PSY 2012H, Burnett Honors)

Personal Scientific Research: Psychobiological origins of simulator sickness (ONR Grant)

Member, University President’s Strategic Planning Committee

Additional **University of Central Florida** Committee Activity:

Member, Industrial Engineering / Human Factors Ph.D. Examination Committee

Industrial Advisory Board, Information and Software Engineering Department

Co-Chair, committee to establish interdisciplinary M.S./Ph.D. program in M&S

Member, Central Florida/NASC Research Park Institutional Review Board

Member, Committee on Research Multi-Disciplinarity

Burnett Honors Housing Faculty Mentor (elected by undergraduate students)

Member, Industrial Advisory Committee, School of Computer Science, College of Electrical and Computer Engineering

Faculty Member, International Studies Summer Institute

**[*Note: Due to unanticipated family circumstances, voluntarily stepped down from directorship after two academic years, voluntarily resigned professorship and tenure (although such was not made mandatory by the university), and moved to re-unite family in Virginia*.]**

Resident Scholar, Santa Fe Institute (Study of Complex Adaptive Systems), Santa Fe, NM, U.S., 1996

(Note: Following are positions held as U.S. Medical Service Corps (Navy) Officer, 2-3 year assignments)

Program Officer, Biomedical Science and Technology Program, Naval Medical Research Institute, Bethesda, MD, and Office of Naval Research, Arlington, VA, U.S., 1997—1999,

Collateral Duty: George Mason University, Krasnow Institute, (1994—1999), Fairfax, VA

Ph.D. and M.S. behavioral science doctoral committees (multiple 2005--)

Chief Scientist, Modeling and Simulation, Naval Research Laboratory, Washington, DC, U.S., 1994—1997

Program Manager, Information Technology Office, Defense Advanced Research Projects Agency,

Arlington, VA, U.S., 1989-1994

Department Head, Computer Simulation Branch; Chief Human Factors Flight Test Officer,

Manned Flight Simulator, Naval Air Test Center, Patuxent River, MD, U.S., 1987-1989

Saint Mary’s College, Saint Mary’s, MD

Visiting Instructor, psychology

Instruct undergraduate human factors psychology

Director, Manned Systems Laboratory, Pacific Missile Test Center, Point Mugu, CA, U.S., 1984—1987

Chief, Engineering Psychology Division, Naval Aerospace Medical Research Laboratory,

Pensacola, FL, U.S., 1982-1984

Chief, Engineering Psychology Division

Led all basic science research, human decision making under stress

Collateral Duty: Public Affairs Officer

University of West Florida, Pensacola, FL

Adjunct Assistant Professor, Department of Psychology

Instruct human factors psychology

University of South Alabama Graduate School, Mobile, AL

Adjunct Faculty Member

Supervise graduate research in human factors psychology

National Research Council (Office of Scientific and Engineering Personnel)

Research Associateship Advisor (competitively awarded, 1983--)

Human Information and Effects of Workload (NRC 56.51.06.01)

Project Officer, Aircraft and Crew Systems Division, Naval Air Development Center,

Warminster, PA, U.S., 1980-1982

Penn State University College of Liberal Arts, Abbington, PA

Adjunct Instructor

Instruct undergraduate Introductory Psychology

Student Naval Aerospace Experimental Psychologist, Naval Aerospace Medical Institute,

Pensacola, FL, U.S., 1979-1980

Title, Institution, City, Country, Years at that Institution Service

*(Instructions: Add as many as necessary)*

**C. Certification:**

Certification: Ergonomics Professional, Board of Certification in Professional Ergonomics

Date of Certification: December 31, 1993

Date of Re-certification: Pending

Certification: Professional in Modeling & Simulation, National Training Systems Association

Date of Certification: September 17, 2002

**E. Languages Spoken:** English; French (limited)

**2. RESEARCH AND SCHOLARLY ACTIVITIES**

**A. Publications:** *(Instructions: List and number publications in reverse chronological order, with the applicant’s name bolded. Corresponding authorship should be indicated with an asterisk (\*) in front of the applicant’s name. Publications should be listed using the* [*NIH SciENcv format*](http://www.ncbi.nlm.nih.gov/sciencv/)*. Consistent with this format please do not include “manuscripts in preparation” or “manuscripts submitted for publication.” However, papers accepted for publication should be listed. NIH SciENcv uses the following format:*

1. Surname1 AA, Surname2 BB. Title of article. Journal Title. Year Month Day; Volume(Issue):page range. doi. PubMed PMID; PubMed Central PMCID.

*Example:*

1. Evans TM, **Flowers DL**, Napoliello EM, Olulade OA, Eden GF. The functional anatomy of single-digit arithmetic in children with developmental dyslexia. Neuroimage. 2014 Nov 1;101:644-52. doi: 10.1016/j.neuroimage.2014.07.028. Epub 2014 Jul 25. PubMed PMID: 25067820; PubMed Central PMCID: PMC4167356.

1. **Original Papers in Refereed Journals (Last 12 Years)**

\*Rouse, W. B. and McBride, D.K. (2019; 49-1). A systems approach to assistive technologies for disabled and older adults. 32-39. *The Bridge: National Academy of Engineering*.

\*Moghissi, A., Feldman, A., Steen, T., Xu, L. Auffret, JP, Jaeger, L., McBride, D., McBride, C. Transparency requirements for global climate change technical information. *Annals of Reviews and Research*. (In Press).

\*Moghissi, A.A., Calderone, R., Azam, F., Nowak, T., Sheppard, S., McBride, D.K. and Jaeger, L. (2018) Regulating ionizing radiation based on metrics for evaluation of regulatory science claims. *Dose-Response: International Journal*, Jan-Mar, 1-6.

Stough, R. and \*McBride, D. (2014) Big data and U.S. public policy. *Review of Policy Research*, 31 (*4*): 335-342.

\*Moghissi A.A., Calderone R., McBride, D.K., Geleta, A., Novak, T, Spivak, A., Alavi, E., Estupigan, C., and Koch, R. (2017) Innovation in regulatory science: Translational regulatory science based on lessons learned from clinical translational science*. Journal of Translational Science (Review Article)*, *3 (6),* 1-6.

\*Moghissi, A.A., Calderone, R., Jaeger, L, McBride, D.K., and Steen, T. (2018) A logical process for labeling food. *Agricultural Research & Technology, OAJ, Commentary. 13 (3)* 555882.

Moghissi, A. A., Straja, S., Love, T., \*McBride, D. K., and Stough, R. (2014) Innovation in regulatory science: Evolution of a new scientific discipline. *Technology and Innovation, 16*, 155-165.

Moghissi, A. A., Gerraa, V.K., \*McBride, D. K., and Swetnam, M.S. (In press). Scientific foundation of regulating ionizing radiation: Application of metrics for evaluation of regulatory science information. *Health Physics*.

Moghissi, A. A., Pei, S., and Liu, Y. (2015) Golden Rice: Scientific, regulatory, and public information processes of genetically modified organism. *Critical Reviews in Biotechnology*; *34*; 1-7, *ISSN: 0738-8551*

Moghissi A. A., Gurudas, N. A, Pei, S., \*McBride, D.K., and Swetnam, M.S. (2015) Scientific ethics: Emphasizing regulatory science requirements. *Technology and Innovation, 17*; 61-73.

Moghissi, A. A., \*McBride, D. K., Amangero, L., Amin, M., Aqbal, D., Briseno, M., Carloni, N., Choi, H., Dehkharghani, R., Farmer, B., Khamooshi, K., Pavy, A., Rivera-Aquino, P., Varco, J. and Winston, C. (2015) Innovation in Regulatory Science: The Critical Role of Review Criteria in Independent Peer Review. *Technology and Innovation, 17;* 127-133.

Moghissi A. A., \*McBride, D. K., Paige, M., Garcia, P. M, Chen, C. W., and Das, S. (2015) Assessment of organic vs. conventional food using best available science concept and metrics derived from it. *Technology and Innovation, 17*; 135-143.

\*Moghissi A. A., Gerra, V. K., \*McBride, D. K., and Swetnam, M. (2014) Scientific foundation of regulating ionizing radiation: Application of metrics for evaluation of regulatory science information. *Health Physics*, *107*; 388-394.

\*Moghissi, A. A, Straja, S. R, Love, B.R., \*McBride, D. K., and Stough, R.R. (2014) Innovation in Regulatory Science: Evolution of a new scientific discipline. *Technology and Innovation*. *16,* 155-1165.

Moghissi, A. A., Keim, M., \*McBride, D. K., and Swetnam, M.S. (2013) Wakefield Effect. *Synesis*, *4*; 15-23.

Moghissi, A. A., McBride, D. K., and Amin, M. (2012) Regulatory Sciences: Description of the discipline, education, and ethics. Publication of the *Japan Ministry of Science and Technology*.

\*Moghissi, A. A., Swetnam, M. S., Amin, M., and McNulty, C. (2012) Ruckelshaus Effect. *Synesis*, *3*; 12-19.

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

Moghissi, A.A., McBride, D.K., Stough, R.R., and Swetnam, M.S. (in preparation) *Regulatory sunshine: Application of best available science concept and metrics for the evaluation of scientific claims to regulatory transparency*.

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

Giordano, J., Akhouri, R., & McBride, D.K. (2009) Implantable nano-neurotechnological devices: Consideration of ethical, legal, and social issues and implications. *Journal of Long Term Effects of Medical Implants*, *19* (1), 83-93.

Uscinski, R. & McBride, D.K. (2008) The shaken baby syndrome: an odyssey, further hypotheses. *Neurological Medico-Chirurgical* (Tokyo) 48 (*4*) 151-156.

\*McBride, D.K., Moghissi, A.A. et al. (2006) *Amicus Curiae* in the Supreme Court of the United States. Commonwealth of Massachusetts *et al.,* Petitioners v. Environmental Protection Agency, *et al*., Respondents, *on petition of writ of certiorari to the United States Court of Appeals for the District of Columbia Circuit*. Argued 29 November, 2006. Supreme Court of the United States, Washington, DC.

McBride, D.K. (2005) The quantification of human information processing. In McBride, D.K. & Schmorrow, D.D. (Eds.) *Quantifying Human Information Processing*. New York: Rowman & Littlefield.

Schmorrow, D. & McBride, D. (2004) Introduction to augmented cognition. *International Journal of Human-Computer Interaction. 17* (2), 127-130.

1. **Reviews or Editorials in Refereed Journals**

McBride, D.K. (2007) Mitigation of three types of stress on cognitive performance. *Aviation, space, and environmental medicine*, 78 (*5*), 12-15.

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.

1. **Books or Chapters in Books (indicate if refereed)**

Moghissi, A. A., McBride, D. K., and Amin, M. (2012) Regulatory Sciences: Description of the discipline, education, and ethics. Publication of the *Japan Ministry of Science and Technology*.

McBride, D.K. (2005) The quantification of human information processing. In McBride, D.K. & Schmorrow, D.D. (Eds.) *Quantifying Human Information Processing*. New York: Rowman & Littlefield.

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., 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.

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.

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

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

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

**vi. Other Publications** *(Instructions: Publications should also be numbered in this section)*

Davies, E.A. and McBride, D.K. (1990) Automation of Defensive Electronic Countermeasures: A Simulation Analysis. TM 90-29 SY, Naval Air Test Center, Patuxent River, Maryland, 1990.

McBride, D.K. and Davies, E.A. Computer simulation analysis of sensitivity of P-3C mission to acoustic processor delay. TM 89-76 SY, Naval Air Test Center, Patuxent River, Maryland; May, 1990.

McBride, D.K. Frequency weighted task complexity index evaluation of the F-14D head up display design alternatives. TM 89 SY, Naval Air Test Center, Patuxent River Maryland; 1989.

McBride, D. K. Human factors evaluation of Fujinan Day/Night Binoculars Model S1040 D/N for SH-60B Day/Night VID Roles (U). ACS-CR-87-10, Naval Air Test Center; February, 1988.

McBride D. K., Dykhoff, D., and Simpson, R. F-14A (PLUS) EIG Readability. First Interim Report. Naval Air Test Center, Patuxent River, Maryland; QRR, SY57-R-88; 7 November, 1988.

McBride, D. K. Flight Test of the T-39 Sabreliner for the Tactical Transport Mission. U.S. Naval Test Pilot School/University of Tennessee Space Institute. Patuxent River, Maryland; 21 July, 1988.

McBride, D. K., Simpson, R., and Dykhoff, D. Functional Readability Tests of the F-14A (PLUS) Engine Instrument Group Liquid Crystal Display. Naval Air Test Center, Patuxent River, Maryland. TM-88-33-SY; 2 December 1988.

McBride, D.K. Human engineering evaluation in support of avionics quick look for the F-14D. ACS-CR-88-03, Naval Air Test Center, Patuxent River, Maryland; April, 1988.

Fowlkes, D. and McBride, D. K. F-14 display requirement definition study for tactical applications: Display formats. Point Mugu, California: Pacific Missile Test Center TM; 1987.

McBride, D. K. Air Combat Energy Maneuvering: Development, Test and Evaluation of Displays to Enhance Combat Performance. Point Mugu, California: Pacific Missile Test Center TM; August, 1987.

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.

Fowlkes, D. and McBride, D. K. Recommendations for the improvements of the EA-6B ADVCAP display system. Pacific Missile Test Center Technical Memorandum, Point Mugu, California; 1986.

Griffin, G. R. and McBride, D. K. Multitask performance: Predicting success in Naval aviation primary flight training. NAMRL 1316, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1986.

Houghton, J. O., McBride, D. K., and Hannah, K. Performance and physiological effects of acceleration-induced (+Gz) loss of consciousness. NADC/NAMRL Joint Report, NADC 86130-60, Warminster, Pennsylvania: Naval Air Development Center; 1986.

McBride, D.K., Massey, R. and Mueksch, J. Systems analysis: Should the Point Mugu Air Show continue to fly? University of Southern California Systems Analysis #665 Report; December, 1986.

McBride, D.K. Operations analysis technique for the solution of complex display hierarchies. Pacific Missile Test Center Technical Memorandum, Point Mugu, California; 1986.

Fowlkes, D. and McBride, D. K. Recommendations for the improvements of the EA-6B ADVCAP display system. Pacific Missile Test Center Technical Memorandum, Point Mugu, California; 1986.

Mulligan, B. E., McBride, D. K., and Goodman, L. S. Design Guide for Non-speech Auditory Displays, Report Store #MULL01, Lawrence, Kansas; January, 1985.

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., Goodman, L. S., and Owens, J. M. Simple and choice reaction time in a secondary task under varied stimulus modality probabilities. NAMRL 1313, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1984.

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. Levels of processing conceptualization of human memory: Some empirical and theoretical issues. NAMRL Monograph 31, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1984.

Mulligan, B. E., with Goodman, L. S., McBride, D. K., *et al*. Human Engineer's Guide to Auditory Displays, Volume I: Elements of Perception and Memory Affecting Auditory Displays. NAVTRAEQUIPCEN 80-D-0011/0037-1, Orlando, Florida: Naval Training Equipment Center; August, 1984.

Mulligan, B. E., with Goodman, L. S., McBride, D. K., *et al*. Human Engineer's Guide to Auditory Displays, Volume II: Elements of Signal Reception and Resolution Affecting Auditory Displays. NAVTRAEQUIPCEN 80-D-0011/0037-2, Orlando, Florida: Naval Training Equipment Center; August, 1984.

Goettl, B., McBride, D. K., and Wickens, C. D. Effects of number and coding of intervening tasks on short term memory. NAMRL, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1984.

Schmid, S., McBride, D. K., and Allen, L. Intervening task feedback as a moderator in retroactive interference. NAMRL, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1984.

Mulligan, B. E., McBride, D. K., and Goodman, L. S. A design guide for non-speech auditory displays. NAMRL Special Report 84-1, Pensacola, Florida: Naval Aerospace Medical Research Laboratory; 1984.

McBride, D.K. and Lambert, J.V. A design for maintainability research program. In Proceedings of Naval Air Development Center Conference on Human Factors Design for Maintainability, Warminster, Pennsylvania: Naval Air Development Center; 1982.

Schmitt, J., Mocharnuk, J. B., and McBride, D. K. A preliminary human factors analysis of maintenance-related Naval Safety Center data. NADC 82111-60, Warminster, Pennsylvania: Naval Air Development Center; 1982.

Ridley, M. E., Dean, C.M.A., and McBride, D. K. Human factors analysis of the TACAMO EC-130 antenna operator station. NADC 82163-60, Warminster, Pennsylvania: Naval Air Development Center; 1982.

Hsu, S. H., Theisen, C. J., and McBride, D. K. Data collection and analysis validation as a Design-for-Maintainers methodology. NADC 82197-60, Warminster, Pennsylvania: Naval Air Development Center; 1982.

Winkler, E. R., Miller, J.T., and McBride, D. K. Biodynamic modeling of F-18 maintenance as an engineering design aid for effective and safe maintenance. NADC 82419-60, Warminster, Pennsylvania: Naval Air Development Center; 1982.

Dean, C.M.A., Mitchell, T.M., McBride, D. K., and Cole, W. Crew systems guidelines for the TACAMO project. NADC 81225-60, Warminster, Pennsylvania: Naval Air Development Center; 1982.

**v. Abstracts for Conference papers and posters** *(Instructions: These are optional.)*

McBride, D.K. (2012) Tomorrow’s advanced C2 research and our brains, stuck on Pleistocene. *C4I Center Seminar Series*, 2 March, 2012, Volgeneau Engineering 4705, George Mason University, Fairfax, VA.

McBride, D.K. (2007) Daubert and Frye standards of admissibility of scientific evidence in the courts, and a role for public universities. *Judicial Symposium on Scientific Evidence in the Courts. Judicial Education Program, AEI-Brookings Center for Regulatory Studies*, 21, 22 June, 2007, Georgetown Law Center, Washington, DC.

Sheldon, E., Franceschini, R. and McBride, D. Benchmarking: A methodology for benchmarking human behavior representation models. Eleventh Computer Generated Forces Conference, Tidewater, Virginia; May 2002.

Clarke, T.L. and McBride, D.K. (2001) Categorical modeling of information assurance. *Exploring theory of the physics of information systems and characterizing the phenomena of complex information systems*. Air Force Research Laboratory. AFRL-IF-RS-TR-2001-76, III. (Defense Advanced Research Projects Agency). Rome, NY.

McBride, D.K. and Tennyson, S.L. There is a relationship between hemlines and the economy: An evolutionary interpretation. Twenty-first Meeting of the Association of Politics and the Life Sciences, Charleston, South Carolina; 18 October, 2001.

Clarke, T.L., McBride, D.K., Kincaid, P., and Reilly, C. The new modeling and simulation Ph.D. program at the University of Central Florida. SCSC Summer Conference, Orlando, Florida; 10 July 2001.

Franceschini, R.W., McBride, D.K. and Sheldon, E. (2001) Modeling the Vincennes incident using affective computer-generated forces. *Proceedings of the 10th Conference on Computer Generated Forces and Behavioral Representation*. 65-78. © British Library Board.

McBride, D.K. Apparent paradoxical brain size and IQ differences among races and sexes: Toward an understanding. Annual conference, International Society for Intelligence Research, Cleveland, Ohio; 30 November – 2 December, 2000.

McBride, D.K. Systems engineering when human brains compute less than do machines. Invited address, International Society of Systems Engineers, Orlando, Florida, 19 October, 2000.

Price, S.N., McBride, D.K., and Sastry, V. Second computer generated forces based on tactical application of principles of combat survivability. RTO MP-071, NATO Modeling and Simulation Conference. Royal Military College of Science, Shrivenham, England, 25 October, 2000.

McBride, D.K. and Tennyson, S.L. What’s up with hemlines. Meeting of the International Society for Human Ethology, Salamanca, Spain; August, 2000.

Clarke, T.L. and McBride, D.K. Categorical modeling of information assurance. DARPA Workshop on Characterizing the Macro Phenomena of Complex Information Systems. Arlington, Virginia; 29-31 August, 2000.

McBride, D.K. Accounting of paradoxical brain size and IQ differences among races and sexes. Meeting of the Human Behavior and Evolution Society, Amherst, Massachusetts; June, 2000.

McBride, D.K. Psychobiological foundations of cooperative aggression 25 to 50 years from today. DARPA, National Science Foundation conference, Out of the Box and into the Future: A Dialogue between Warriors and Scientists. Washington, DC; 26-27 June, 2000.

McBride, D.K. and Tennyson, S.L. Collaborative economic approaches in the use of advanced technology. Conference on Caribbean Survival and the Global Challenge in the 21st Century. Institute of International Relations, University of the West Indies, Port-au-Spain, Trinidad and Tobago; 21 March, 2000.

McBride, D.K. and Worcester, L.L. How an evolutionary perspective might explain variability in evaluations of past presidents. Nineteenth Meeting of the Association for Politics and the Life Sciences*,* Atlanta, Georgia; September, 1999*.*

McBride, D.K. and Tennyson, S.L. An evolutionary political axis and a simple model of human behavior help explain the proclivity to provide and subsequently question social welfare. Nineteenth Meeting of the Association for Politics and the Life Sciences*,* Atlanta, Georgia; September, 1999.

McBride, D.K. A psychological perspective on world wars. Proceedings of the Ernst & Young, Bios Group Conference: Preserving National Security in a Complex World, 53-64. Boston, Massachusetts; September, 1999.

McBride, D.K. and Pianka, M.J. Coelenterates as first species to employ an integrated sensory system. Krasnow Institute Tuesday Talks, George Mason University, Fairfax, Virginia; September, 1999.

McBride, D.K. Ecological surveillance as necessary mechanism for the selection of reproductive strategies. Annual Meeting of the Human Behavior and Evolution Society. Salt Lake City, Utah; June, 1999.

Dunn, R.S. and McBride, D.K. Frequency-weighted task complexity index: An improved metric for operator simulation and man-machine integration. 42nd Meeting of the DoD Human Factors Engineering Technical Advisory Group. Alexandria, Virginia; 12 May, 1999.

McBride, D.K. State of the art in “future” human systems: Dynamics of the sciences, prospects for digitization. 42nd Meeting of the DoD Human Factors Engineering Technical Advisory Group. Alexandria, Virginia; 12 May, 1999.

McBride, D.K. Evolutionary foundations of personality. Invited Keynote. Annual Meeting of the Personality Assessment Society. Arlington, Virginia; 17 April, 1999.

McBride, D.K. Rebirth of evolutionary psychology. Invited colloquium, Department of Psychology, the University of Georgia, Athens, Georgia; April, 1999.

McBride, D.K. The future of technology and VV&A in warfighting simulation. Invited Keynote/Kickoff: Society for Computer Science, and MORS Conference on Verification, Validation and Accreditation. Applied Physics Laboratory, Johns-Hopkins University, Columbia, Maryland; 26 January, 1999.

McBride, D.K. Bio-techno-biology. Invited colloquium. Institute for Defense Analyses Biological Colloquium. Alexandria, Virginia; 22 January, 1999.

McBride, D.K. and Worcester, L.L. Evolutionary psychology perspective on political orientation. Association for Politics and the Life Sciences, Boston, Massachusetts; 3-6 September, 1998.

McBride, D.K. An evolutionary psychology explanation of colic. International Society for Human Ethology, Burnaby, British Columbia, Canada; 19-23 August, 1998.

McBride, D.K., Worcester, L.L., and Phillips, S. The cooperative (contagious) nature of yawning: An evolutionary explanation. International Society for Human Ethology, Burnaby, British Columbia, Canada; 19-23 August, 1998.

DeJong, K., McBride, D.K., and Morowitz, H.J. A conversation about emergence. Krasnow Institute Tuesday Talks, George Mason University, Fairfax, Virginia; 3 June, 1998.

McBride, D.K. Biological basis of future modeling and simulation. Keynote address: Seventh Conference on Computer Generated Forces and Behavioral Representation. Orlando, Florida; 12 May, 1998.

McBride, D.K. Forays in the psychobiology of cooperation: Authority, altruism, affiliation, and affection. Krasnow Institute Tuesday Talks, George Mason University, Fairfax, Virginia; 3 February, 1998.

McBride, D.K. Digitisation of the Battlefield: Prospects for Human Factors. Invited Keynote, UK Defence Evaluation and Research Agency Conference - Digitisation of the Battlefield, Farnham, England; 14 December, 1997.

McBride, D.K. Prospects for C4I linked modeling and simulation: STOW and forward. Invited Keynote Address, International Maritime Defence Conference, Greenwich, England; 9 December, 1997.

McBride, D.K. Biologically-inspired computation: A bio-paradigm for World War IV. Potomac Institute for Policy Studies Proceedings Report: Conference on Countering Biological Terrorism: Strategic Firepower in the Hands of Many? (PIPS-97-2), Arlington, Virginia; 13 August, 1997.

McBride, D.K. Is behavioral plasticity an adaptation? What individual and group differences in skill might have to say. Invited colloquium, Krasnow Institute Seminars, George Mason University, Fairfax, Virginia; 27 January, 1997.

McBride, D.K. Bio-Computation: A complex systems paradigm for future war. Invited keynote, New Sciences Symposium, Marine Corps Combat Development Center and USMC Command and Staff University, Quantico, Virginia; 1 August, 1997.

McBride, D.K. In search of predictable boundaries of the perceptuomotor invariance principle. International Society for the Study of Individual Differences, Aarhus, Denmark; July, 1997.

McBride, D.K. and Fogel, L. Biological computation: An analytical paradigm for complex military problems. Military Operations Research Society, Quantico, Virginia; 10 June, 1997.

McBride, D.K. The evolutionary status of (perceptuomotor skill) learning: Adaptation or not? Human Behavior and Evolution Society Conference ‘97, Tucson, Arizona; 8 June, 1997.

McBride, D.K. Is behavioral plasticity an adaptation? What individual and group differences in skill might have to say. Krasnow Institute Seminars, George Mason University, Fairfax, Virginia; 27 January, 1997.

McBride, D.K. Individual and group variation in psychomotor skill: Is learning an adaptation? A pre-modeling phase. Naval Center for Applied Research in Artificial Intelligence Seminar, Washington, DC; 28 October, 1996.

McBride, D.K. Individual and sex differences in the evolution of learning: Watkins-Spearhead model and the adaptive complex. Santa Fe Institute Colloquium Series, Santa Fe, New Mexico; 23 August, 1996.

Henderson, E.D., Adelman, L., and McBride, D.K. Psychological issues impacting expert systems in close-in air-to-air combat applications. The Role of Intelligent Systems in Defence. The Royal Aeronautical Society, St. Hughes College, Oxford, UK; March, 1995.

McBride, D.K. Computer generated forces technology development. Invited paper: The Technology Cooperation Program Meeting. Orlando, Florida; 2 December, 1994.

Foster, L., Maassel, P.W., and McBride, D.K. The characterization of entity state error and update rate for distributed interactive simulation. Proceedings of the Eleventh DIS Workshop on Standards for the Interoperability of Distributed Simulations, Vol. 1, 61-73, Orlando, Florida; September, 1994.

McBride, D.K. Simulation and the potential for re-engineering test and evaluation. Invited address, Australian Association of Military Engineers. Melbourne, Australia; 25 June, 1992.

McBride, D.K. Simulation fidelity: Technology’s faithfulness to the concept today and tomorrow. Invited Keynote and L.P. Coombes Memorial Lecture, Future Directions in Simulation Symposium International Workshop, Australian Defence Science and Technology Organisation, and Australian Institute of Engineers, Melbourne, Australia; 24 June, 1992.

McBride, D.K. The science (?) of fidelity: Possibilities in simulation. High Fidelity Simulation Workshop. Applied Physics Laboratory, Johns Hopkins University, Laurel, Maryland; March, 1993.

McBride, D.K., Tiernan, T., and Harvey, E. Analysis of the DIS protocol for DARPA’s project HyDy. Proceedings of the Seventh Workshop on Standards for the Interoperability of Defense Simulations, Orlando, Florida; September, 1992.

McBride, D.K., Harvey, E., and Miller, D.P. Tactical command and control training using distributed simulation technology. Proceedings of the Interservice Industry Training Systems Equipment Conference, Maastricht, Netherlands; 1992.

Goldiez, B.F., Uliano, K.C., and McBride, D.K. Low cost aviation testbed. American Association for Aeronautics and Astronautics Annual Symposium; 1991.

McBride, D.K. The expected time course of G-induced loss of consciousness. Tenth Annual International Aviation Physiology and Training Conference, Southampton, Pennsylvania; May, 1991.

Harrison, P., Owens, J.M., and McBride, D.K. Validation of expert systems that implement simulations. Military Operations Research Society Mini-Symposium on Simulation Validation, Albuquerque, New Mexico; October, 1990.

McBride, D.K. Individual portal (I-Port) in advanced distributed simulation research. Conference on Close Combat (Light) Simulation Technology, Albuquerque, New Mexico; September, 1990.

McBride, D.K. Pilot performance incapacitation prediction. Ninth International Aviation Physiology and Training Conference. Southampton, Pennsylvania; May, 1990.

McBride, D.K., Eddy, D., and Portillo, R. Navy aircrew opinion of pilot monitoring and recovery systems. Proceedings of AGARD NATO Aerospace Medical Panel Symposium, Tours, France; 2 April, 1990.

McBride, D.K. and Davies, E. Framework for an efficient, two-filter GLOC (G-induced loss of consciousness) monitor. Proceedings of AGARD NATO Aerospace Medical Panel Symposium, Tours, France; 2 April, 1990.

Harris, S. D. and McBride, D. K. Issues in the test and evaluation of artificial intelligence in tactical decision aids. Aerospace Medical Association 1988 Annual Scientific Meeting, New Orleans, Louisiana; May, 1988.

McBride, D.K. Medical and performance aspects of acceleration-induced loss of consciousness. Fourth International Aviation Physiology Conference: Pilot Performance Decrement. Southampton, Pennsylvania; 12 October, 1985.

Griffin, G.R. and McBride, D.K. Multitask performance as a predictor of success in Naval aviation flight training. Aerospace Medical Association 1985 Annual Scientific Meeting, San Antonio, Texas; May, 1985.

Stack, M. E., McBride, D. K., Goodman, L. S., and Owens, J. M. Simple and choice reaction times in a secondary task under varied stimulus modality probabilities. Aerospace Medical Association 1985 Annual Scientific Meeting, San Antonio, Texas; May, 1985.

McBride, D. K. and Cobb, B. L. Effects of secondary monitoring tasks on the comprehension and solution of variously-coded visual/symbol problems. Aerospace Medical Association 1985 Annual Scientific Meeting, San Antonio, Texas; May, 1985.

Goettl, B., McBride, D. K., and Wickens, C. D. Effects of number and coding of intervening tasks on short term memory. Aerospace Medical Association 1984 Annual Scientific Meeting, Houston, Texas; May, 1984.

McBride, D.K. Sex differences in skilled psychomotor performance. Invited Psi Chi Colloquium Series, University of West Florida, Pensacola, Florida; 1984.

McBride, D. K., Owens, J. M., and Goodman, L. S. Augmentation of human factors technology efforts: Measuring and predicting skilled behavior in Naval aviation mission environments. Performance and Design Evaluation, Applications of Systems Ergonomics to Weapon System Development. Proceedings of NATO Defense Research Group, Panel VIII, Royal Military College of Science, Shrivenham, Wiltshire England; April, 1984.

McBride, D. K. Modeling information transfer. In the symposium: On the symbiotic relationship between theory and applications. American Psychological Association, Anaheim, California; August, 1983.

McBride, D. K. Performance after acceleration-induced (+Gz) loss of consciousness. Second Symposium on Aviation Psychology, Columbus, Ohio; April, 1983.

Goodman, L. S., McBride, D. K., Owens, J. M., and Wherry, R. J. The identification of cognitive processes underlying skilled aviator performance. Second Symposium on Aviation Psychology, Columbus, Ohio; April, 1983.

McBride, D. K. and Lambert, J.V. The U.S. Navy’s Design-for Maintainers program philosophy. In the symposium: Human factors in designing for and training of maintainers. American Psychological Association, Washington, D.C.; August, 1982.

Quante, A., Brown, I., Payne, R.B., and McBride, D.K. Hormonal regulation of psychomotor reminiscence in females. Eastern Psychological Association, Baltimore, Maryland; 15 April, 1982

Lamson, E., Calhoun, K.C., and McBride, D.K.\* Physiological measurement of sexual arousal in heterosexual, homosexual and bisexual women. Association for the Advancement of Behavior Therapy, Los Angeles, California; October, 1981.

McBride, D. K. Training of and requirements for military human factors specialists. In the symposium: Requirements for and training of human factors specialists—three perspectives. Human Factors Society, Rochester, New York; October, 1981.

McBride, D. K., Payne, R. B., and Lilienthal, M. G. Sex differences in psychomotor reminiscence. Aerospace Medical Association 1981 Annual Scientific Meeting, San Antonio, Texas May, 1981.

Sampson, R.N., Lilienthal, M.G., Pettyjohn, F.S., McBride, D. K., and York, E. Motivational factors in flying—a retrospective review of the “1000 Aviators.” Aerospace Medical Association 1981 Annual Scientific Meeting, San Antonio, Texas; May, 1981.

McBride, D. K., Payne, R. B., and Lilienthal, M. G. Practice distribution and anabolic steroid hormone variation: The sex difference in psychomotor performance. Aerospace Medical Association 1981 Annual Scientific Meeting, San Antonio, Texas May, 1981.

McBride, D. K., Lambert, J. V., and Lane, N. E. The development of standardized abbreviation algorithm (ABBREV). In the symposium: The place of theory in computer abbreviations. Eastern Psychological Association, New York City; April, 1981.

McBride, D. K. and Payne, R. B. Psychomotor intertrial correlation analysis as a test of Hull’s concept of reactive inhibition. Southern Society for Philosophy and Psychology, Norfolk, Virginia; April, 1979.

McBride, D.K. Organismic variables in skilled performance. Invited Colloquium, LaGrange College, LaGrange, Georgia; March, 1979.

McBride, D. K. The impact of preventive mental health group participation on loneliness in the elderly. Georgia Gerontological Society, Macon, Georgia; July, 1978.

McBride, D. K. and Payne, R. B. Psychomotor reminiscence as a function of sex and length of rest period. Southern Society for Philosophy and Psychology, Orlando, Florida; March, 1978.

**B. Research Funding:** *(Instructions: Please be certain to provide information that is accurate and unambiguous. Information may be compared with that available elsewhere, e.g. the NIH RePORTER and the Office of Sponsored Programs. Delete those that do not apply; add if multiple)*

**i. Current Active**

**Primary Responsibilities as Decision Authority, Government Organization Leader in Selection and Management of Major University Research Funding, Competitively Awarded and Periodically Reviewed Technically. Providing direct technical oversight to university PI’s and Collaborators:**

Co-chair, Life Sciences, Session II. Science and Engineering Symposium, *Air Force Systems Command/Naval Materiel Command,* Dayton, Ohio; 29 October 1981.

Chair, Logistics Sub-TAG, DoD/FAA Human Factors Engineering Technical Advisory Group; 1981-1982.

Member, Committee for the Protection of Human Subjects. *Naval Air Development Center,* Warminster, Pennsylvania; 1981-1982.

Member, Contracts Specification Review Board, *Aircraft and Crew Systems Technology Directorate, Naval Air Development Center,* Warminster, Pennsylvania; 1981-1982.

Chair, Human Factors Design for Maintainers Conference, *Naval Air Development Center,* Pensacola, Florida; March, 1982.

Chair, Human Factors in Designing for and Training of the Maintainer, *American Psychological Association Divisions 13/21,* Washington, DC; August, 1982.

Periodic Lecturer, Human Performance Limitations--for Student Flight Surgeon Classes, *Naval Aerospace Medical Institute,* Pensacola, Florida; 1982-1984.

Technical Reviewer, Design for Sustainability Conference, *U.S. Army Research Institute,* El Paso, Texas; March, 1983.

Chair, Symposium, *Five Questions on the Symbiotic Relationship Between Theory and Applications in Our Technological World, American Psychological Association Divisions 3/21,* Anaheim, California; August, 1983.

Editor, Command History, *Naval Aerospace Medical Research Laboratory,* Pensacola, Florida; 1983.

Editor, Command Five Year *(1383-1987)* Research Plan. *Naval Aerospace Medical Research Laboratory,* Pensacola, Florida; 1983.

Reviewer, Program Committee, *Society of Engineering Psychologists, American Psychological Association Division;* 1984.

Chair, Program Committee, *Society of Engineering Psychologists, American Psychological Association Division 21;* 1985, 1986.

Member, Command Speakers Bureau, *Pacific Missile Test Center,* Point Mugu, California; 1985-1987.

Chair, Test and Evaluation Sub-TAG, DoD/FAA Human Factors Engineering Technical Advisory Group; 1987.

Chair, Knowledge engineering frameworks. *IEEE International Conference on Systems, Man and Cybernetics.* Los Angeles, California; November, 1990.

Member, *Department of Defense Laboratory Closure Study Group* as Office of the Secretary of Defense Representative; 1990-1991.

Chair, *Low cost simulation*. *Future Directions in Simulation Symposium, International Workshop,* Melbourne, Australia; 26 June, 1992.

Co-chair, Session on *Visualization technology. IMAGES '92 International Conference,* Phoenix, Arizona; 14 July, 1992.

Technical Faculty, Advanced modeling and simulation. *Modeling, Simulation and Gaming of War, Short Course. Georgia Institute of Technology,* Atlanta, Georgia; 1 September, 1992.

Chair, DARPA Modeling and Simulation Technology Futures. *Military Operations Research Society Seminar,* Alexandria, Virginia; 30 September, 1992.

Review and Presentation, Advanced Distributed Simulation at ARPA and Leading Laboratories, *DoD Human Factors Engineering Technical Advisory Group Annual Meeting*, Orlando, Florida; 3 November, 1994.

Member, Navy Representative, *Human Behavior Representation Committee, Defense Modeling and Simulation Management Office (DMSO), 1994-1997.*

Invited, Expert Technical Consultation, Simulation-based acquisition, provided to *Chilean Ministry of Defense,* Vine del Mar, Chile; 30 January – 1 February, 1995.

Expert Testimony provided to *President's Commission on the Assignment of Women in the Military,* Dallas, Texas; 27 August, 1995.

Member, US Delegation, *US/UK ACTD Cooperation Exploratory Conference, Ministry of Defence,* London, England; 30 January-6 February, 1996.

Periodic Lecturer, *Introduction to Information-Based Warfare, National Defense University,* Washington, DC; 1994-1997.

Consultant and Plenary Address to *Discovery of Battlespace Metaphors Workshop, Naval Command, Control, Ocean Surveillance Systems Center Conference*, Alexandria, Virginia; 3-4 April, 1996.

Expert day-long tutorial, Modeling and Simulation Technology, *National Academy of Sciences, Naval Studies Board,* Santa Monica, California; 16 May, 1996.

Vice Chairman, *American Society of Naval Engineers Modeling, Simulation and Virtual Prototyping Conference,* Crystal City, Virginia; 22-24 June, 1996.

Chair, Visionaries Panel, *American Society of Naval Engineers Modeling, Simulation and Virtual Prototyping Conference,* Crystal City, Virginia; 24 June, 1996.

Co-Chair, Training and Mission Rehearsal Working Group, *Naval Air Systems Command, Naval Aviation Workshop,* La Plata, Maryland; 17-18 July, 1996.

Chair, Session on Modeling and Simulation, *1996 Navy Research and Education Symposium on Command, Control, Communications and Intelligence*, Annapolis, Maryland; 7 August, 1996.

Expert M&S testimony provided to *NATO Defense Research Group Long Term Scientific Study (LTSS/48),* Alexandria, Virginia; 23-26 September, 1996.

Member, Making the Case for Human Factors, Committee on Human Factors, *National Academy of Sciences, National Research Council*, Washington, DC; 17 December, 1996.

Conference Member, Presenter, and Reviewer, *National Academy of Science, National Research Council Computer Science and Technology Board*, M&S: Competitiveness Through Collaboration, Irvine, California; 19-20 October, 1996.

Reviewer, Marine Corps Round Table on Marine Corps Combat Development Process, *Marine Corps Combat Development Command*, Quantico, Virginia; 30 October, 1996.

Author, Science and Technology Chapter, Navy Modeling and Simulation Master Plan, *Chief of Naval Operations - Director, Space and Electronic Warfare*, Arlington, Virginia*;* 21 February, 1997.

Member, US/UK Panel and Keynote Presenter, *Workshop on Human Factors Support to Effectiveness in Systems Acquisition, Office of Naval Research and Defence Evaluation and Research Agency*, San Diego, California; 24-25 February, 1997.

Government Chair, Acquisition Reform Focus Session (AR4), *American Society of Naval Engineers ASNE Day Conference,* Washington, DC; 20 March, 1997.

Panelist, *Distributed Interactive Simulation - High Level Architecture Expert Session, Defense Simulation and Imaging Conference,* Alexandria, Virginia; 8-9 May, 1997.

Co-Chair, *Force Warfare Systems Engineering Board* (Modeling and Simulation Based Design), *Office of Deputy Assistant Secretary of the Navy (C41),* Washington, DC;1997.

Chair: Capabilities, Requirements, and Technologies, Human Performance in Simulation Workshop, *Army Research Institute and Institute for Defense Analyses*, Alexandria, Virginia; 30-31 June, 1997.

Member, *Defense Director Net Assessment Highlands Forum.* Key participation:

*Impact of Information Technology Revolution*; Santa Fe,

New Mexico; 12-14 August, 1996.

*Mind, Brain, and Computing: What the Neurosciences May Have*

*to Say About Hardware and Software Design*; Fairfax,

Virginia; 20-22 October, 1997.

Technical Reviewer and Consultant to CNO *Strategic Studies Group XV*, U.S. Naval War College, Newport, Rhode Island; 1996-1997.

Member:

*Navy M&S High Level (simulation) Architecture Implementation Team* (1996-1997)

*Navy Simulation System Technical Review Team* (1996-1997)

*DoD Joint Simulation System (JSIMS) Architecture Review Team* (1997)

*SC-21 M&S Integrated Product Team* (1995-1997)

*PEO TAD Ship Self Defense Modeling and Simulation Oversight Board* (1996--1998)

Advisor to MOVES (Modeling of Virtual Environments Sciences) M.S. Curriculum, *US Naval Postgraduate School,* Monterey, California; 1997-1999.

Senior Member, Committee for the Protection of Human Subjects; *Naval Medical Research and Development Command*, Bethesda, Maryland; 1998-1999.

Navy Representative (Operational Medicine Technology), *Armed Services Biomedical Research and Engineering Management Board, Director, Defense Research and Engineering*, Arlington, Virginia; 1997-1999.

Program Officer, Women’s Operational Medicine Science and Technology, Office of Naval Research and liaison to *Navy Bureau of Medicine and Surgery*, Arlington, Virginia; 1997-1999.

Invited member (Specialist in technology and the evolutionary sciences), *DARPA/George Mason University/RAND Study Panel, Information and Biological Revolutions: Implications for Global Governance*, 1998-1999.

Member, Human Systems Technical Expert, Naval Aviation Science and Technology Requirements Panel, *Office of Naval Research and Navy Science and Technology Office*, Arlington, Virginia; 1998.

Chair, *Office of Naval Research Scientific Conference on Motion Sickness, Simulator Sickness, Balance Disorders and Sopite Syndrome*. University of New Orleans, Louisiana; 9-11 September, 1998.

Member, *Office of Naval Research* Data Mining Integrated Product Team; 1998.

Member (as Navy Representative), Steering Board, *Crew Systems Ergonomics Information Analysis Center* (CSERIAC); 1999.

Member, *Board of Certification in Professional Ergonomics* Committee on Re-Certification; 1999-

Chair, Modeling and Simulation Panel, Smart Sensor Web Conference. Defense Director, Research and Engineering Conference, Arlington, Virginia; 1999.

Chair, *Biomimetics for Computer Network Security Workshop. Office of Naval Research, Krasnow Institute for Advanced Study, and Potomac Institute for Policy Studies*. Fairfax, Virginia; 11-13 June, 1999.

Co-Lead, *Office of Naval Research Modeling and Simulation Planning Team*;

1998-1999. (To establish credibility for initiation of multi-M$ program)

Member, *DARPA/IDA Information Science and Technology (ISAT)* Study Group for Building a Time Travel Machine. (Chair, Computer Generated Forces Committee); 1998.

Chair, Computer Generated Forces Panel, *Defense Director for Research and Engineering Smart Sensor Web Program*, Alexandria, Virginia; June, 1999.

Keynote Kickoff Symposiast, *Complexity and Warfare Workshop*. Center for Naval Warfare Studies, Naval War College, Newport, Rhode Island; *29 July, 1999*.

Co-organizer, Win-Win Policy Analysis Seminar. *Policy Studies Organization/Potomac Institute for Policy Studies*. Arlington, Virginia; *29 July; 1999*.

U.S. Navy Representative, *NATO Simulation Policy Group*; 1999.

Program Officer for Investigation of Potential U.S. Navy role in National Missile Defense; March-October, 1999.

Expertise provided to *Government Accounting Office, Community and Economic Development Division*. Review of National Institute for Standards in Technology Advanced Technology Program; December, 1999.

Consultant to *Chief Technology Officer of the Navy*, Investigation of Rapid Airborne Mine Clearance System feasibility; 2000.

Co-Chair, Committee for Modeling and Simulation Ph.D. Program*. University of Central Florida*; 1999--.

Member, Sub-Committee for Multidisciplinarity. *University of Central Florida*; 2000-2001.

Member, Industrial Advisory Committee. *School of Computer Science, College of Electrical and Computer Engineering, University of Central Florida*; 2000-2001.

Faculty Member, International Studies Summer Institute, *University of Central Florida*; 1-5 May, 2000.

Member (1999-), Executive Advisory Board, Virtual Environments Program, *Office of Naval Research*, Arlington, Virginia.

Member, Multidisciplinary Studies Committee, *University of Central Florida*, 2000-.

Member, University Strategic Planning Committee. Author, Simulation and Training section, 2001.

Chair, Neuroscience Human Factors Panel, *Out of the Box and into the Future*. Sponsored by National Science Foundation (NSF), DARPA, Potomac Institute for Policy Studies, et al., 26-27 June, 2000, Washington, DC.

Member, International Program Committee, *First International Conference on Grand Challenges for Modeling and Simulation*.

Member, Interactive Simulation Specialty, Industrial Engineering Examination Committee, *University of Central Florida* (2001-)

Co-chair, Committee to Establish M&S Ph.D. Program, University of Central Florida (1999-2001; program approved by Florida Board of Education).

Member, Committees to establish professional credentialing of M&S specialists, National Training Systems Association (Implemented in 2001; First Certificate Awarded in Spring 2002).

Periodic Reviewer (2001--), National Science Foundation, Ballston Arlington, VA.

Chair, Panel on Engineering for Complex Systems, *National Research Council, National Academy of Science*; 15 May 2002

Member (Multiple), Senior Executive Service (SES, ST) Promotion Board(s)

Chair, *National Academy of Science, National Research Council, Aeronautics and Space Engineering Board Review Panel* on NASA’s Engineering of Complex Systems Program, and Member, Committee for the Review of NASA’s Pioneering Revolutionary Technology Program (2002--2003)

###### Chair, Neuroscience Human Factors Panel, Out of the Box and into the Future. Sponsored by National Science Foundation, DARPA, et al., 26-27 June, 2000, Washington, DC.

###### Member, Committees to establish professional credentialing of M&S specialists, National Training Systems Association (Implemented in 2001; First Certificate Awarded in Spring 2002).

###### Reviewer, National Science Foundation panel studies (multiple since CY 2000)

###### Member (Multiple), Senior Executive Service (SES, ST) Promotion Board(s)

Member, *American Association for the Advancement of Science* (AAAS), Department of Homeland Security Fellows Selection Committee, 2005, 2006

Member, Bioengineering and Environmental Systems Division Major Research Instrumentation (MRI) Panel, *National Science Foundation* (2002)

Panelist, Alternative Strategies Dialogue forum. Military Transformation: A Framework for Understanding the Speculation. *SAIC Strategies Group* (think tank). March, 2003, Arlington, VA.

Member, Privacy and Civil Liberties Workshop. *Office of National Risk Assessment, U.S. Department of Homeland Security*. Convened and chaired by Admiral James Loy, Administrator, *Transportation Security Administration*. Architected privacy-sensitive system for airline boarding security. 16-18 March, 2003, Aspen Wye River Conference Center, MD.

Participant, Co-leadership, Co-editing (ANSER Corp., Lead), Subcommittee on Bioterrorism and Public Health Preparedness; *U.S. Senate Committee on Health, Education, Labor and Pensions* (August, 2005)

Member, Workshop, Scalable Robotic Interfaces, *National Research Council, National Academies* (November, 2004)

Vice President, *Policy Studies Organization* (affiliated with American Political Science Association) (2003—2005)

Member, Committee on Research Multi-disciplinarity, University of Central Florida (2000-2001).

Convener and panelist. Seeing is believing: Beyond the third brake light. Capitol Hill symposium hosted by SEN J. Breaux (D, LA), focusing on visual capability of elderly drivers. (2004)

Burnett Honors Housing Faculty Mentor (elected by undergraduate students), University of Central Florida (2000-)

Member, Industrial Advisory Committee, School of Computer Science

College of Engineering and Computer Science, University of Central Florida (1999--)

Member, *American Association for the Advancement of Science* (AAAS) 2005-2006 Department of Homeland Security Fellows Selection Committee

Member, Board on Mathematical Sciences and Applications, *National Research Council*; Defense Modeling, Simulation and Analysis Review Panel (2004-2005)

###### Panel Chair, National Research Council, National Academies, Aeronautics and Space Engineering Board Review Panel on NASA’s Engineering of Complex Systems Program, Committee for the Review of NASA’s Pioneering Revolutionary Technology Program (2002-2003)

###### Member, National Research Council, National Academies; Board on Mathematical Sciences and Applications; Modeling, Simulation and Analysis Review Panel member and co-author (2004-2006).

Invited Panelist. Neuroethics and the ethics of augmented cognition: An interdisciplinary workshop. Hosted by University of Central Florida, 24 October, 2007.

Expertise (2010--): IVth Amendment privacy rights and the risks of social media technology.

Scientific advisor to Joint Concept Technology Demonstration, *Information Volume and Velocity*, component of privacy and personally identifiable information (PII), National Defense University, U.S. Northern Command (2012-).

Author and Expert: National Neurotechnology Initiative. Reintroduced as House Bill 1483 and Senate Bill 586; January 2014. See <http://professionals.epilepsy.com/page/announce_31709.html>.

Chair, Washington Area Research University – Defense Research Laboratory Consortium (2013-)

GMU, GWU, UMD, Virginia Tech, Catholic U., Army Research Lab, Office of Naval Research

**C.** **Invited Lectures:**

**Invited Talks:** (Selected as representing a mixture of scientific and other contributions.)

McBride, D.K. Invited plenary, The human brain as “hugantic” component of our “ginormous” conscious universe. *TTI Vanguard: Ginormous Systems*. May 1, 2013, Washington, DC. (Note: these talks are billed as TED Talks “on Steroids” with highly select audiences of top 100 Chief Executives and Strategists)

McBride, D.K. The likely effects of government sequestration on the economies of Northern Virginia. Invited, multiple county business “town hall,” conducted jointly with Congressman R. Wittman. 01 September, 2012, *Fredericksburg Expo Center*, Fredericksburg, VA.

McBride, D.K. “What should the *George Mason Research Foundation* do?” Multiple, on-campus “Town Hall” format meetings with faculty, deans, students, broader university community, 2013.

McBride, D.K. (2010) Best available science (for government regulation): And a case study. Invited speech at *National Science Foundation (National Capital Area Skeptics*), Arlington, VA, uploaded 02 January, 2010: <http://www.youtube.com/watch?v=E3IuZ6Mqg18>

McBride, D.K. Invited presentation. Evolution—Development (Evo Devo): Reconciling brain science with studies of the mind. Nour Foundation Symposium: *Technology, Neuroscience and the Nature of Being: The Paradox of Neurotechnology*. Georgetown University Medical Center, Washington, DC, May 8, 2009.

McBride, D.K. Darwin at 200, human nature at a few million… Invited Darwin Day Lecture, *Ballston Science and Technology Alliance and National Capital Area Skeptics, National Science Foundation*, March 12, 2009: <http://www.youtube.com/watch?v=cxybQKNKKqI>

McBride, D.K. Debate (vs. P. Nelson, *Discovery Institute*, *et al.):* Intelligent design is not, and the “mathematical” argument fails the math. *Intelligent Design and the Constitution: Understanding the Issues. Georgetown University Forum on Faith and Policy*. Copley Formal, 26 January, 2006, Washington, DC.

McBride, D.K. Invited talk: Neuro-ethics of sleep management for performance in extreme environments: Enhancement or prophylaxis? Colloquium: Ethical Recommendations for Assessing Appropriate Use of Pharmacologic Countermeasures in Sleep Deprived Humans. *American Academy of Sleep Medicine / Sleep Research Society’s SLEEP ‘07 Conference*. 12 June, 2007, Minneapolis, MN.

McBride, D.K. Invited talk: The National Neurotechnology Initiative: Perspectives from the Director. *Spring Symposium, The Mind Research Network*. The Mind Institute. 13 April, 2007, Albuquerque, NM.

McBride, D.K. Invited speech: Are the United States prepared? Some scientific reflections on the *terrare* enterprise. *National Preparedness Center*, University of Pittsburgh, 5 April, 2007, Pittsburgh, PA.

McBride, D.K. Invited keynote: Reflections on behavioral representation and a challenge to the Congressional modeling and simulation caucus. BRIMS International Conference. 27 March, 2007, Norfolk, VA.

McBride, D.K. Invited talk: Weapon systems of mass destruction: If it quacks like a duck, it’s a duck. Symposium, *Future Weapons of Mass Destruction*. *The Stanley Foundation*, 11 December, 2006, Arlington, VA.

McBride, D.K. Counter-terrorism and the unclassified threat to information assurance. *University of Illinois, Multi-Sector Crisis Management Consortium*, Board of Directors Meeting, September 15, 2004, Arlington, VA.

McBride, D.K. Invited Lecture: Biodefense: Forecasting the future. Spring Meeting, Analytical & Life Science Systems Association. May, 2004, Arlington, VA.

McBride, D.K. Invited Lecture. Complex and complicated are mathematically distinct concepts. National Defense University Workshop: *Complexity and Cyber-Security*. National Defense University, Washington DC, February, 2004.

McBride, D.K. Evolution-based human biology and implications for the future of medicine. Invited University Colloquium (Department of Psychology), University of the Sciences in Philadelphia, 26 September, 2002, Philadelphia, Pennsylvania.

McBride, D.K. Invited Keynote. “Shared outcomes as key to R&D contracting success. *National Contract Management Association* (February, 2001), Orlando, Florida

McBride, D.K. Systems engineering when human brains compute less than do machines. Invited address, *International Council on Systems Engineering*, Orlando, Florida, 19 October, 2000.

McBride, D.K. Psychobiological foundations of cooperative aggression 25 to 50 years from today*. DARPA, National Science Foundation* conference, *Out of the Box and into the Future: A Dialogue between Warriors and Scientists*. Washington, DC; 26-27 June, 2000.

McBride, D.K. Evolutionary foundations of personality. Invited Keynote. *Annual Meeting of the Personality Assessment Society*. Arlington, Virginia; 17 April, 1999.

McBride, D.K. Bio-techno-biology (= Biodefense). Invited colloquium. *Institute for Defense Analyses Biological Colloquium*. Alexandria, Virginia; 22 January, 1999.

McBride, D.K. Biological basis of future modeling and simulation. Invited Keynote and Acceptance of Award: Father of Computer Generated Forces, *Computer Generated Forces and Behavioral Representation*. Orlando, Florida; 12 May, 1998.

McBride, D.K. Individual and group variation in psychomotor skill: Is learning an adaptation? A pre-modeling phase. Invited colloquium, *Naval Center for Applied Research in Artificial Intelligence Seminar*, Washington, DC; 28 October, 1996.

McBride, D.K. Conference Member, Invited Presenter, and Reviewer, *National Academy of Science, National Research Council Computer Science and Technology Board*. M&S: Competitiveness through Collaboration, Irvine, California; 19-20 October, 1996.

McBride, D.K. Expert day-long tutorial, *Modeling and Simulation Technology*, *National Academy of Science, Naval Studies Board,* Santa Monica, California; 16 May, 1996.

McBride, D.K. Individual and sex differences in the evolution of learning: Watkins-Spearhead model and the adaptive complex. *Santa Fe Institute Colloquium Series*, Santa Fe, New Mexico; 23 August, 1996.

McBride, D.K. The science (?) of fidelity: Possibilities in simulation. *High Fidelity Simulation Workshop*. Applied Physics Laboratory, Johns Hopkins University, Laurel, Maryland; March, 1993.

McBride, D.K. Simulation and the potential for re-engineering test and evaluation. Invited address, *Australian Association of Military Engineers*. Melbourne, Australia; 25 June, 1992.

McBride, D.K. Simulation fidelity: Technology’s faithfulness to the concept today and tomorrow. Invited Keynote and L.P. Coombes Memorial Lecture, *Future Directions in Simulation Symposium International Workshop, Australian Defence Science and Technology Organisation,* and *Australian Institute of Engineers*, Melbourne, Australia; 24 June, 1992.

McBride, D.K. The expected time course of g-induced loss of consciousness. *Tenth Annual International Aviation Physiology and Training Conference*, ETC Conference Facility, Southampton, Pennsylvania; May, 1991.

*(Instructions: Please list Lectures using this format:*

Presentation Type (e.g. Keynote Address), Institution/Society Name, Location, Month and Year

*(Add as many as necessary)*

**D.** **Editorships, Editorial Boards, and Reviewing Activities**

Name of Editorial Board/Study Section/Community Organization, Role/Status, Date(s) of Service

**Professional Editorial**

Member, Editorial Board, *Journal of Regulatory Science* (2019--)

Editor-in-Chief, *Review of Policy Research* (Policy Studies Organization (APSA); 2003—2005)

Co-Editor-in Chief, *Technology* (2005--2009)

Associate Editor, *Human Nature Review* (June 2003--)

Member, Editorial Board, *International Journal of Human-Computer Interaction* (2001—2005)

Editorial Associate, *Behavior and Brain Science* (2004--)

Member, Editorial Board, *Theoretical Issues in Ergonomics Science* (2004--)

Representative, Occasional Reviewer, *inter alia*:

*Human Factors and Ergonomics*

*International Journal of Industrial Ergonomics*

*Politics and the Life Sciences*

*Georgetown Public Policy Review*

**3. TEACHING, MENTORING, AND ADVISING**

**A. Teaching Activities**

i**. Medical School Courses and Collaborative Courses**

Graduate Courses Taught at Georgetown University(MICB (microbiology); PBIO (biology); PPOL (public policy); 60 sections total over ten years, *accessed from university web site*:

[MICB-601-01. Spring 2008: SEM: SCIENCE POLICY & ADVOCACY. Spring 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_88562_1%26url%3D)

[MICB-601-01. Spring 2009: SEM: SCIENCE POLICY & ADVOCACY. Spring 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_104477_1%26url%3D)

[MICB-601-01. Spring 2010: Sem: Science Policy & Advocacy. Spring 2010](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_118797_1%26url%3D)

[MICB-601-01. Spring 2011: Sem - Science Policy & Advocacy. Spring 2011](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_153323_1%26url%3D)

[MICB-601-01. Spring 2012: Sem - Science Policy & Advocacy. Spring 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_183296_1%26url%3D)

[MICB-601-01. Spring 2013: Sem: Science Policy & Advocacy. Spring 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_233584_1%26url%3D)

[MICB-601-01. Spring 2014: Sem: Science Policy & Advocacy. Spring 2014](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_615724_1%26url%3D)

[MICB-606-01. Fall 2007: PUBLIC POLICY FOR SCIENTISTS. Fall 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_80312_1%26url%3D)

[MICB-606-01. Fall 2008: PUBLIC POLICY FOR SCIENTISTS. Fall 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_96402_1%26url%3D)

[MICB-606-01. Fall 2009: Public Policy for Scientists. Fall 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_113959_1%26url%3D)

[MICB-606-01. Fall 2010: Public Policy for Scientists. Fall 2010](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_131072_1%26url%3D)

[MICB-606-01. Fall 2011: Public Policy for Scientists. Fall 2011](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_165544_1%26url%3D)

[MICB-606-01. Fall 2012: Public Policy for Scientists. Fall 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_210495_1%26url%3D)

[MICB-606-01. Fall 2013: Public Policy for Scientists. Fall 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_355556_1%26url%3D)

[MICB-702-01. Fall 2011: Regulatory Sci & Public Health. Fall 2011](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_165559_1%26url%3D)

[MICB-702-01. Fall 2012: Regulatory Sci & Public Health. Fall 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_210508_1%26url%3D)

[MICB-702-01. Fall 2013: Regulatory Sci & Public Health. Fall 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_355569_1%26url%3D)

[MICB-703-01. Spring 2012: Adv Reg Science & Public Hlth. Spring 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_193448_1%26url%3D)

[MICB-703-01. Spring 2013: Adv Reg Science & Public Hlth. Spring 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_233593_1%26url%3D)

[MICB-703-01. Spring 2014: Adv Reg Science & Public Hlth. Spring 2014](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_615733_1%26url%3D)

[MICB-900-01. Fall 2011: Tutorial - Internship. Fall 2011](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_165562_1%26url%3D) continued:

[MICB-900-01. Fall 2012: Tutorial - Internship. Fall 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_210511_1%26url%3D)

[MICB-900-01. Fall 2013: Tutorial: Internship. Fall 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_355573_1%26url%3D)

[MICB-900-01. Spring 2013: Potomac Inst for Policy Stud's. Spring 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_233596_1%26url%3D)

[MICB-900-01. Spring 2014: Potomac Inst for Policy Stud's. Spring 2014](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_615737_1%26url%3D)

[MICB-900-06. Spring 2012: Intrnshp - Potomac Inst. Spring 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_183311_1%26url%3D)

[MICB-902-01. Spring 2007: PUBLIC POLICY ANAL:POTOMAC INST. Spring 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_73204_1%26url%3D)

[MICB-902-01. Spring 2008: PUBLIC POLICY ANAL:POTOMAC INST. Spring 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_88581_1%26url%3D)

[MICB-902-01. Spring 2009: PUBLIC POLICY ANAL:POTOMAC INST. Spring 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_104492_1%26url%3D)

[MICB-902-01. Spring 2010: Public Policy Anal:Potomac Ins. Spring 2010](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_118812_1%26url%3D)

[MICB-601-01. Spring 2007: SEM: SCIENCE POLICY & ADVOCACY. Spring 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_73194_1%26url%3D)

[PBIO-537-01. Fall 2006: SEX DIFFERENCES: PHYSIO/PATHOPHYS. Fall 2006](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_67111_1%26url%3D)

[PPOL-700-09. Fall 2007: THESIS WORKSHOP. Fall 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_80841_1%26url%3D)

[PPOL-701-09. Spring 2008: THESIS WORKSHOP. Spring 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_89115_1%26url%3D)

[PPOL-740-01. Fall 2004: MGMT OF POLICY ANALYSIS. Fall 2004](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_43923_1%26url%3D)

[PPOL-740-01. Fall 2005: DECISION MAKING PUBLIC POLICY. Fall 2005](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_54715_1%26url%3D)

[PPOL-740-02. Fall 2008: DECISION MAKING PUBLIC POLICY. Fall 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_100728_1%26url%3D)

[PPOL-740-02. Fall 2009: Decision Making Public Policy. Fall 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_115794_1%26url%3D)

[PPOL-740-02. Spring 2004: MGMT OF POLICY ANALYSIS. Spring 2004](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_38125_1%26url%3D)

[PPOL-742-01. Fall 2006: MGMT OF PROGRAM EVALUATION. Fall 2006](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_67405_1%26url%3D)

[PPOL-742-01. Fall 2007: MGMT OF PROGRAM EVALUATION. Fall 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_80864_1%26url%3D)

[PPOL-742-01. Fall 2008: MGMT OF PROGRAM EVALUATION. Fall 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_97017_1%26url%3D)

[PPOL-742-01. Spring 2005: MGMT OF PROGRAM EVALUATION. Spring 2005](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_48823_1%26url%3D)

[PPOL-742-01. Spring 2006: MGMT OF PROGRAM EVALUATION. Spring 2006](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_60429_1%26url%3D)

[PPOL-800-02. Fall 2007: ADV POLICY MGMT PROJECT. Fall 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_85470_1%26url%3D)

[PPOL-800-02. Fall 2008: ADV POLICY MGMT PROJECT. Fall 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_97020_1%26url%3D)

[PPOL-800-02. Fall 2009: Adv Policy Mgmt Project. Fall 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_114685_1%26url%3D)

[PPOL-800-02. Fall 2010: Adv Policy Mgmt Project. Fall 2010](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_131860_1%26url%3D)

[PPOL-800-03. Spring 2007: ADV POLICY MGMT PROJECT. Spring 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_73701_1%26url%3D)

[PPOL-800-03. Spring 2008: ADV POLICY MGMT PROJECT. Spring 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_89139_1%26url%3D)

[PPOL-800-03. Spring 2009: ADV POLICY MGMT PROJECT. Spring 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_105160_1%26url%3D)

[PPOL-800-03. Spring 2010: Adv Policy Mgmt Project. Spring 2010](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_119502_1%26url%3D)

[PPOL-800-04. Spring 2005: ADV POLICY MGMT PROJECT. Spring 2005](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_48829_1%26url%3D)

[PPOL-800-06. Spring 2006: ADV POLICY MGMT PROJECT. Spring 2006](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_61999_1%26url%3D)

[PPOL-800-13. Spring 2012: Adv Policy Mgmt Project. Spring 2012](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_194624_1%26url%3D)

[PPOL-800-13. Spring 2013: Adv Policy Mgmt Project. Spring 2013](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_234357_1%26url%3D)

[PPOL-855-01. Spring 2009: DEFENSE AND FOREIGN POLICY. Spring 2009](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_107566_1%26url%3D)

[PPOL-855-61. Spring 2008: DEFENSE AND FOREIGN POLICY. Spring 2008](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_89161_1%26url%3D)

[PPOL-855-62. Spring 2006: DEFENSE AND FOREIGN POLICY. Spring 2006](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_61412_1%26url%3D)

[PPOL-855-62. Spring 2007: DEFENSE AND FOREIGN POLICY. Spring 2007](https://campus.georgetown.edu/webapps/portal/frameset.jsp?tab_tab_group_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D_74505_1%26url%3D)

Name and Course Number:

Role:

Number of Direct\* Contact Hours:

Year(s) Taught:

Number of Students:

Overall Evaluation Score:

Name and Course Number:

Role:

Number of Direct Contact Hours\*:

Year Taught:

Number of Students:

Overall Evaluation Score:

\* *Direct Contact Hours do NOT include preparation*

**ii. Medical School Clerkships**

Name of Clerkship:

Role:

Number of Direct Contact Hours\*:

Year(s) Taught:

Number of Students/Fellows:

Overall Evaluation Score:

Average number of Clinical Fellows you train per year =

Average number of Residents you train per year =

Average number of Medical students you train per year

**iii. Graduate Biomedical Education Courses**

Name and Course Number:

Role:

Number of Direct\* Contact Hours:

Year(s) Taught:

Number of Students:

Overall Evaluation Score:

Name and Course Number:

Role:

Number of Direct Contact Hours\*:

Year(s) Taught:

Number of Students:

Overall Evaluation Score:

*\* Direct Contact Hours do NOT include preparation*

Average number of Postdoctoral Fellows you train per year =

Average number of Graduate students you train per year =

1. **Other Undergraduate and Graduate Courses Taught**

**Summary of Teaching Experience:**

Virginia Tech Center for Public Administration and Policy (2021--)

Instructor: PAPA 5354: Homeland Security Response and Recovery

George Washington University School of Business (W. Halal classes, 2011--)

Lecturer: Development of highly advanced human-centered technology

Department of Defense – Defense Senior Leader Development Program (2008—2009)

Leading in an Interagency Environment: Power, politics, and ethics in collaborative decision-making.

University of Central Florida, Orlando, FL (1999—2001)

Professor, Industrial Engineering and Management Sciences (tenure)

Teach: Courses in Human-in-Loop Modeling and Simulation (graduate level)

Professor, Psychology (College of Arts and Sciences)

Teach: Honors Introductory Psychology (undergraduate Burnett Honors)

National Defense University, Washington, DC

School of Information Warfare

Affiliated Faculty Lecturer (Cognitive Readiness) (1993—1995)

Joint Forces Staff College, Joint C2 & Information Operations School (2011--)

Lecturer, Emerging Concepts for Joint Operations, Human Limitations

Center for Technology and National Security Policy (2012--2014)

Professor (IPA)

University of Denver, Lexington Park, MD (1988—1990)

Adjunct Associate Professor, Systems Management

Saint Mary’s College of Maryland, Saint Mary’s, MD (1987—1989)

George Mason University, Fairfax, VA

Affiliated Professor Appointment (2012-), Scharr School of Policy & Government

Krasnow Institute External Faculty (1994—1999)

Graduate Faculty (Arts & Sciences, 2005—thesis and dissertation committees)

George Mason University Undergraduate Instruction:  
 Introductory Psychology (online) 20

Visiting Instructor in Psychology

Naval Postgraduate School, Monterey, CA (1984--)

Periodic Lecturer, Human Factors/Operations Research

University of West Florida, Pensacola, FL (1983—1984)

Adjunct Assistant Professor, Psychology

Naval Aerospace Medical Institute, Pensacola, FL

Lecturer, Aeromedical Physiology and Psychology (1982--)

Penn State University, Abington, PA

Adjunct Instructor, Psychology (1981—1982)

University of Georgia (1975—1979)

Teaching Assistant, Introductory Psychology

Instructor, Experimental Psychology; Advanced Statistics/Experimental Design

Macon College, Macon, GA  
 Undergraduate Teaching Assistant, Biology (1972-1973)

***Pro Bono* Community Involvement**

Instructor, GMU Arlington Learning in Retirement Institute (since inception of ALRI)

Course Short Titles from ALRI site:

Instructor Course Semester

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dennis | McBride | 406 | Terrorism (Strategic Comm) | 04F |
| Dennis | McBride | 406 | Terrorism (Strategic Comm) | 04W |
| Dennis | McBride | 406 | Terrorism (Strategic Comm) | 05W |
| Dennis | McBride | 406 | Terrorism and Foreign Policy | 06F |
| Dennis | McBride | 615 | Science in Government | 07F |
| Dennis | McBride | 616 | Science in Government | 08W |
| Dennis | McBride | 617 | Neuroscience | 10W |
| Dennis | McBride | 422 | Scientific Foundations of Regulation | 12W |

**Mentor, Madeira School Co-Curriculum Program** (volunteer): 2009—2012

(Wednesdays, all-day shadow, fall/spring semesters; 2-4 students per semester)

Teach, Supervise Internships; policy/regulatory, hosted at Potomac Institute for Policy Studies

Name and Course Number:

Role:

Number of Direct\* Contact Hours:

Year(s) Taught:

Number of Students:

Overall Evaluation Score:

Name and Course Number:

Role:

Number of Direct Contact Hours\*:

Year(s) Taught:

Number of Students:

Overall Evaluation Score:

*\* Direct Contact Hours do NOT include preparation*

Average number of Undergraduate students involved in your research program:

**v. Teaching Recognition/Awards** (include both nominations and awards)

Award Name, Year

Award Name, Year

**B. Mentoring:**

*(Add as many as necessary)*

Mentor:

Name of Mentee:

Dates of Mentorship:

Outcomes: List publications, grants, K-awards, fellowships, etc.

Co-Mentor:

Name of Mentee:

Dates of Mentorship:

Outcomes: List publications, grants, K-awards, fellowships, etc.

**4. SERVICE**

**A. University Service:**

**i. Department**

Role/Function, Committee Name, Dates (Years) of Service. *(Add as many as necessary)*

**ii. School**

Role/Function, Committee Name, Dates (Years) of Service

**iii. University**

Role/Function, Committee Name, Dates (Years) of Service

**B. MedStar or Hospital Service**

**C. Professional Service:**

*Please list any community or public service (national and international organizations)*

Role/Function, Committee Name, Dates (Years) of Service

**5. CONTRIBUTIONS TO ENHANCING DIVERSITY, EQUITY AND INCLUSION (DEI)**

*If relevant, please describe contributions related to furthering diversity, equity, and inclusion (DEI) at Georgetown, MedStar Health, or elsewhere in your service, teaching, professional development, mentoring, or scholarship/research. If most of your work is related to DEI, please do not repeat large sections of your CV here; rather, provide a brief summary of key contributions to DEI work (e.g., up to half a page). When candidates are seeking promotion, additional details can be provided in the Professional Statement(s) included in the dossier. Examples of DEI contributions might include (but are not limited to):*

* *Service: Efforts on formal university or hospital committees or through professional societies (e.g., Racial Justice Committee for Change; Faculty Diversity & Inclusion Subcommittee; MedStar Working Group for Racial Justice; Department-level DEI Committee);*
* *Teaching: Review and/or revision of curriculum, syllabi, classroom practices (e.g., use of CNDLS Inclusive Pedagogy toolkit, revision of curriculum to mitigate racial or gender bias);*
* *Professional Development: Attendance at, or leadership of, relevant DEI sessions or professional development workshops within Georgetown or through professional societies (e.g., Teaching for Inclusion and Equity Series, Bias Reduction Improvement Coaching Program, courses through SiTEL or other vendors such as the Diversity Resilience Institute of El Paso);*
* *Mentoring: individuals (students or faculty) underrepresented in science, medicine, or the health professions;*
* *Scholarship: DEI-related scholarship including publications and DEI-focused grants (e.g., proposals submitted or funded that focus on DEI elements).*

**6. HONORS AND AWARDS**

*Please list individual honors and awards received with dates. (Do not include research grant support in this section.)*

Award, Institution/Organization, Year

Award, Institution/Organization, Year

**7. PROFESSIONAL SOCIETY MEMBERSHIP**

Dates (in Years) of Membership Society Name, Leadership Role (if appropriate)

*I certify that this curriculum vitae is a current and accurate statement of my professional record.*

Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_