



Biography

Department of the Army



Ms. Mary J. Miller
Deputy Assistant Secretary of the Army
(Research and Technology)



Ms. Miller was selected for the Senior Executive Service in August of 2005. In February of 2013, she was designated as the Deputy Assistant Secretary of the Army for Research and Technology. Ms. Miller is responsible for the entirety of the Army's Research and Technology program, spanning 16 Laboratories and Research, Development and Engineering Centers, with more than 12,000 scientists and engineers and a yearly budget of just over \$2 billion dedicated to empowering, unburdening and protecting Soldiers.

CAREER CHRONOLOGY:

- Feb 2013 – Present: Deputy Assistant Secretary of the Army (Research and Technology)
- Sep 2012 – Feb 2013: Acting Deputy Assistant Secretary of the Army (Research and Technology)
- Dec 2010 – Sep 2012: Deputy Program Executive Officer Soldier
- Aug 2005 – Dec 2010: Director for Technology, Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology, Pentagon, Washington, D.C.
- Apr 2001 - Aug 2005: Deputy Director of Technology for Aviation, Missiles, Soldier and Precision Strike under the Director for Technology, OASA(ALT), Pentagon, Washington, D.C.
- Oct 1992 - Apr 2001: Team Leader Nonlinear Optical Processes Team, U.S. Army Research Laboratory (ARL), Adelphi, MD
- Jun 1999 - Jun 2000: Science and Technology Liaison to the Deputy Chief of Staff for Operations – Force Development (now the DCS G8-FD). Pentagon, Washington, D.C.
- Mar 1990 – Oct 1992: Team Leader, Advanced Optics Team, Project Lead for the Visible/Near Infrared (VIS/NIR) Sensor Protection efforts, Night Vision & Electro-Optics Directorate, Laser Division, Ft. Belvoir, VA
- Jul 1984 – Mar 1990: Electronics Engineer, Night Vision & Electro-Optics Directorate, Laser Division, Ft. Belvoir, VA

COLLEGE:

- Masters of Business Administration from the University of Tennessee, Knoxville, TN.
- Masters of Science in Electrical Engineering, Electro-Physics from the George Washington University, Washington, D.C.
- Bachelor of Science in Electrical Engineering from the University of Washington, Seattle, WA.

AWARDS AND HONORS:

- Army Research & Development Achievement Award in 1988 for her technical achievement in the "Development of Nonlinear Materials for Sensor Protection."
- Four patents awarded for sensor protection designs, two additional patents pending.

CERTIFICATIONS:

- Certified Level III in Program Management
- Certified Level III SPRDE, Systems Engineering
- Certified Level II SPRDE, Program Systems Engineering

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:

- Association of the United States Army (AUSA), member since 2003

MAJOR PUBLICATIONS:

Ms. Miller has published more than 50 papers and has addressed over 30 major commands and international groups with technical presentations. She served as a conference committee member and co-chair for SPIE Conference on Nonlinear Optical Liquids, 1996-1998 and served as a peer-reviewer for technical papers in her area of specialty submitted to the Journal of Applied Optics, Applied Optics and Optics Letters from 1987-1999.

- B.P. Ketchel, C.A. Heid, G.L. Wood, M.J. Miller, A.G. Mott, R.J. Anderson, and G.J. Salamo, "Three-Dimensional Color Holography Display," Appl. Optics, 38:6159 (1999)
- G.L. Wood, A.G. Mott, and M.J. Miller, "Investigation of Tetrabenzporphyrin by the Z-scan Technique," Opt. Lett., 20:973 (1995).
- G.L. Wood, W.W. Clark, III, M.J. Miller, G.J. Salamo, E.J. Sharp, R.R. Neurgaonkar, J.R. Oliver, "Photorefractive Materials" (invited) Book Chapter in Spatial Light Modulators: Materials, Devices, and Applications, ed. U. Efron, Marcel Dekker, New York NY, p.161-215 (1994).
- E.J. Sharp, W.W. Clark, III, M.J. Miller, G.L. Wood, B. Monson, G.J. Salamo, R.R. Neurgaonkar, "Double Phase Conjugation in Tungsten Bronze Crystals," Appl. Opt. 29:743 (1990).
- B. Monson, G.J. Salamo, A.G. Mott, M.J. Miller, E.J. Sharp, W.W. Clark, III, R.R. Neurgaonkar, "Self-Pumped Phase Conjugation with Nanosecond Pulses in Strontium Barium Niobate," Opt. Lett., 15:12 (1990).
- W.W. Clark, III, G.L. Wood, M.J. Miller, E.J. Sharp, G.J. Salamo, B. Monson, R.R. Neurgaonkar, "Enhanced Photorefractive Beam Fanning Due to Internal and External Electric Fields," Appl. Opt., 29:1249 (1990).

March 2013