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BIOGRAPHY

Jerry L. McDowell, Ph.D.

*Deputy Laboratories Director and Executive Vice President for National Security Programs
Sandia National Laboratories*



Effective July 9, 2010, Dr. Jerry L. McDowell is the Deputy Laboratories Director and Executive Vice President (EVP) for National Security Programs at Sandia National Laboratories. He is the senior executive of the Nuclear Weapons Strategic Management Unit (NWSMU) with an annual budget in excess of \$1.2B and steward of the Integrated National Security Mission vision and strategy across all National Security Mission areas. Dr. McDowell also serves as the Senior Intelligence Executive at Sandia.

Previously, Dr. McDowell was the Vice President of Defense Systems & Assessments Division and Strategic Management Unit (DSASMU) at Sandia National Laboratories. The DSASMU engineers and integrates advanced science and technology into pathfinder systems for the Department of Defense (DoD) and other Federal national security agencies. The DSASMU manages programs with an annual operating budget in excess of \$700M and involving the support of over 1600 staff. He previously served as Vice President, DoD Programs Division and Military Technologies & Applications Strategic Management Unit (MTASMU); Chief Operating Officer of the MTASMU; Director, DoD Systems Analysis & Concepts Center; Director, Aerospace Systems and Development Center; and Chief of Staff to the Nuclear Weapons Program.

Dr. McDowell's program responsibilities have spanned Nuclear Deterrence, Conventional Strike (kinetic and non-kinetic); Missile Defense; Information Operations; Intelligence, Surveillance, and Reconnaissance (ISR); Counter-Proliferation of Weapons of Mass Destruction; DoD Transformation Initiatives; Non-Proliferation Technologies; and Intelligence matters. His functional responsibilities spanned design, engineering, development, prototype fabrication, test, and evaluation.

Dr. McDowell has been employed at Sandia since October, 1979. He has also been employed by Vought Missiles and Space Division and the National Aeronautics and Space Administration (NASA). He was a participant in the USAF Scientific Advisory Board Study of Hypersonic Air-Breathing Vehicle Technologies conducted in 1991, and in 2003 was a member of the DoD Defense Science Board summer study related to Strategic Strike. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics, and served a four-year tour as a member of the USAF Scientific Advisory Board.

Dr. McDowell has a B.S., M.S., and Ph.D. in Aerospace Engineering, all from the University of Texas at Austin. He was a Charter Member of the Fellows of the University of Texas Graduate School in 1979.

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