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## BIOGRAPHY

### **Bruce C. Walker**

*Vice President, Weapons Engineering and Product Realization, Chief Engineer for Nuclear Weapons, Sandia National Laboratories*



Bruce C. Walker is Vice President of Weapons Engineering and Product Realization at Sandia National Laboratories, a U.S. Department of Energy multi-program engineering and science laboratory. Mr. Walker is the Chief Engineer for nuclear weapons with responsibility for leadership and management of nuclear weapon engineering and production activities.

In his 34 years at Sandia National Laboratories, Bruce has held several positions. From 2010 to 2011, Bruce served as Director of Center 200, Nuclear Weapons Planning Operations and Integration. In this position, he also serves as the COO for the NW Program at Sandia. From 2008 to 2010, he was Director of Center 5700, Monitoring Systems and Technology. In this position, he was responsible for the Remote Sensing and Verification (RSV) Program, which encompasses Sandia's work in Nonproliferation R&D, the US Nuclear Detonation Detection System (USNDS), and overall satellite technology R&D. Prior to this position, from 2005 to 2007, he was Director of the New Mexico Weapon Systems Engineering Center, where he was responsible for system engineering, use control, and stockpile support for all New Mexico nuclear weapon systems. From 2002 to 2005, he was the Director of the Surety Components and Instrumentation Center, where he led the development of nuclear safety and firing system components for various nuclear weapon systems and the development of instrumentation and communication systems for various DoD programs.

From 1998 to 2002 he served as the Senior Manager for RF Remote Sensing where he led advanced development work in synthetic aperture radars (SARs) and RF tags. From 1987 to 1998, he was the Manager of the Synthetic Aperture Radar Department, managing the technology development, system design, software and hardware development, integration, and flight test for numerous SAR programs. He has been instrumental in establishing the SAR work at Sandia, from its genesis through the development of several differentiating capabilities. From 1984 to 1987, he was the Manager of the Sensor Systems Department leading the development of ground-based sensor programs. From 1977 to 1984 he was a member of the technical staff responsible for the design of numerous Nuclear Weapon and DoD radar programs.

Bruce is a Fellow Member of the Microwave Sensing Symposia. He holds a patent in synthetic aperture radar for video SAR. He received a B.S. degree in electrical engineering from Oklahoma State University in 1976 and an M.S. degree in electrical engineering from the University of Texas at Austin in 1977.

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