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BIOGRAPHY

Julia M. Phillips

*Vice President and Chief Technology Officer
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Julia M. Phillips is Vice President and Chief Technology Officer at Sandia National Laboratories. Responsibilities include leadership of the Laboratory's \$165M Laboratory Directed Research and Development (LDRD) program, research strategy development and implementation, and intellectual property protection and deployment. Previous positions at Sandia include Deputy Chief Technology Officer and Director of Laboratory Research Strategy and Partnerships, Director, Nuclear Weapons Science and Technology Programs, Director, Physical, Chemical, and Nano Sciences Center, and Director of the DOE Center for Integrated Nanotechnologies (CINT) at Sandia and Los Alamos National Laboratories. She is a member of the National Academy of Engineering, currently serving on the NAE Council, and a Fellow of the American Academy of Arts and Sciences. After 14 years at AT&T Bell Laboratories, she came to Sandia in 1995. Her research has been in the areas of epitaxial metallic and insulating films on semiconductors, high-temperature superconducting, ferroelectric, and magnetic oxide thin films, and novel transparent conducting materials. Dr. Phillips served on the Board of Directors of the American Association for the Advancement of Science. She is past chair of the American Physical Society (APS) Topical Group on Energy Research and Applications and the APS Division of Condensed Matter Physics and served as president of the Materials Research Society. She received the 2008 George E. Pake Prize for outstanding achievements in physics research combined with major success as a manager of research and development. Dr. Phillips is a Fellow of the Materials Research Society, American Association for the Advancement of Science, and the American Physical Society. She has served on the editorial boards of "Journal of Materials Research", "Applied Physics Letters," "Journal of Applied Physics," and "Applied Physics Reviews." She has edited two books, written three book chapters, and prepared more than 100 journal publications, twelve major review articles, and 45 refereed conference proceedings publications. She also holds five patents. Dr. Phillips holds a Ph.D. in applied physics from Yale University and a B.S. in physics from the College of William and Mary.

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