

## SANDIA NATIONAL LABORATORIES

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# Biographical Information

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### **Carol L. J. Adkins**

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Carol Adkins is the Director of Energy Technologies and System Solutions Center, and Director of the Renewable Systems and Energy Infrastructure Program Area at Sandia National Laboratories in Albuquerque, New Mexico. Previous management assignments include Director of Materials Science and Engineering; Deputy Director of the Nuclear Weapons Science and Technology Strategic Area (with responsibility for the major NNSA science and infrastructure funding at Sandia); Principal Program Director for the Defense Security Program, which included all physical and cyber security at Sandia and the National Counter Terrorism and Weapons Incident Response programs; and Deputy Director of the Advanced Manufacturing Science and Technology Center. Carol is a chemical engineer and has performed research in the areas of chemical vapor deposition of ceramics and tungsten, aerosol processing, cleaning with supercritical CO<sub>2</sub> and semiconductor wafer contamination and cleaning. She has a Bachelor of Science in Chemical Engineering from the University of New Mexico and a PhD in Chemical Engineering from the California Institute of Technology (Caltech). In the mid-1990s, Carol served as a program lead of the wafer cleaning project under the Sandia/SEMATECH CRADA and led a team of researchers investigating the extension of standard wet cleaning techniques to the next generation of particle removal. In 1995, she and her colleagues at Los Alamos National Laboratories were awarded the DOE Office of Industrial Technologies Commercialization Award for their Supercritical CO<sub>2</sub> cleaning work. Carol has served on the National Research Council's Board on Manufacturing and Engineering Design, and as a member of the Panel on Manufacturing Engineering, performing the assessment of NIST's Manufacturing Engineering Laboratory. She serves on the advisory boards for the University of New Mexico and University of Texas-Austin Chemical Engineering Departments. Carol is passionate about supporting women at Sandia and serves as Co-Chair of SWAN (Sandia Women's Action Network).