

# Biography

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W. Kent Schubert,  
Manager of Integrated  
Microdevice Systems

The Integrated Microdevice Systems department provides customer-focused engineering services required for the development of microscale enabled products based on emerging technologies. They work in collaboration with other departments in the Microsystems Science, Technology and Components Center, across Sandia National Laboratories, and with other government agencies and industrial partners, with a primary but not exclusive focus on national security applications. They provide value to microsystem technology developers by providing high quality digital and analog electronics, microcontroller software and power microsystems to replace bulky lab equipment typically used in early technology development. The organization provides value to system and subsystem developers through life cycle engineering support and by expediting product realization of complex microsystems, developing and optimizing technology, processing and design capabilities to achieve the best microsystem solution for the application.



Robert Hutchinson,  
Senior Manager of Information  
Security Sciences

The Information Security Sciences group includes work in advanced computer security research, operational network security, high-performance computing research, decision analysis and information extraction research. This work is conducted for a wide range of government sponsors, including the Department of Energy, Homeland Security and Defense.



Carrie Burchard,  
Energy, Climate and  
Infrastructure Security  
Strategic Management Unit  
Program Development

The Energy, Climate and Infrastructure Security (ECIS) SMU provides knowledge and solutions for the nation's most challenging problems in Energy, Climate, and Infrastructure. The SMU leverages Sandia's relationship with the state of California and its energy challenges. ECIS capitalizes on the cyber competencies and synergies within these three areas to create unique solutions for the nation. Rick Stulen, VP of 8000, leads the ECIS SMU and champions the Energy Security corporate Strategic Thrust and supports the Cyber and Nuclear Security corporate Strategic Thrusts.

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Kent Pfeifer,  
Technical Staff  
Member of Integrated  
Microdevice Systems

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Terrence Aselage,  
Senior Manager of Materials  
Synthesis & Processing

The Materials Synthesis & Processing Department manages the materials science and technology research portfolio of the Materials Science and Engineering Center. This includes the Materials Science and Technology Laboratory Directed Research and Development (LDRD) Program, as well as funding from DOE and other federal agencies (e.g. Sandia's Genomes to Life project). Technical areas of emphasis include Materials for Core Applications and Materials for Emerging Missions, materials for energy and water, and emerging National Security applications.



David Ingersol,  
Manager of Advanced  
Power Sources Research  
and Development

We are an internationally recognized resource for power source technology based on our scientific and engineering excellence, our state-of-the-art approach to production, our emphasis on quality, and our ability to deliver products of superior value.

- We maintain a premier production facility of power source components for the Nuclear Weapons Complex.
- We develop creative solutions and new technology to meet our customer's power source needs.
- We are recognized as a great place to work with world-class facilities.
- Strategic alliances are central to our success.

We provide scientific and engineering solutions to meet national needs for power sources in nuclear weapons, advanced conventional weapons, and for energy, security, and environmental quality applications.

- Our primary customers are the Nuclear Weapons Complex, other branches of the Department of Energy, the Department of Defense, other government agencies, and industry.

