

POSTER SESSION & DEMONSTRATIONS

Bioscience

- Biodefense and Emerging Infectious Disease
- Pond Scum to Petrol - Generic Engineering of Cyanobacteria for Biodiesel Production
- RNA Interference Screening for Virus-Host Interactions
- CleanBurst™ - Rapid Acoustic Lysis for Point-of-Care Diagnostics
- SpinDX™ for Rapid Point-of-Care Diagnostics
- Rapid Threat Organism Recognition System
- Transdermal Microneedle Sensors
- Hyperspectral Imaging
- Spectroradiometric Monitoring of Algal Cultures

Computing & Information Science

- Breaking Computational Barriers
- Hybrid Framework
- Pattern Analytics to Support High-Performance Exploitation and Reasoning
- Quantum Computer Aided Design – Framework for Quantum Device Modeling
- Xyce
- The Mantevo Project
- DHS Transition to Practice Program: Security Seal/Weasel Board/Code Seal
- Cyber Education and Innovation
- Memristor
- Sandia's Open Source Software Program

Energy & Climate

- Ice Sheet Modeling
- Understanding Battery Life from Atoms to Electrodes
- Enhanced Oil Recovery
- Upper Rio Grande Simulation Model

- ARPA-e Enabling Science and Technology
- Center for Infrastructure Research and Innovation
- Energy Surety Microgrid
- Supercritical CO₂ and the Brayton Cycle
- Joint Center for Energy Storage Research
- Scaled Wind Farm Technology Center (SWIFT)
- Solar Glare Hazard Analysis Tool (SGHAT)

Nanodevices & Microsystems

- Aluminum Nitride-Silicon Carbide Composites for Sensor Applications
- Defect Localization, Characterization and Reliability Model Development for Microsystems-Enabled Photovoltaics
- Nano-Structured Silicon Phononic Crystals with Metal Inclusions for ZT Enhancement
- Low Cost Titanium Dioxide Nanoparticles
- Solution-Based Nanoengineering of Multifunctional Coatings through Self-Assembly Techniques
- Silver Ink
- MEPV - Solar Glitter
- Nanoporous Material and Sensors
- Next Generation Graphene Devices
- Advanced Nanoscale Photovoltaic Characterization
- Membrane Projection Lithography

Learn more about partnership opportunities with Sandia:

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Cutting-edge research and technology development taking place at Sandia National Laboratories

Information on doing business with Sandia National Laboratories through licensing, partnerships, procurement, and economic development programs

AGENDA

8:00-8:30

Registration and Check-In

8:30-8:35

Welcome

Jackie Kerby Moore, Manager, Technology and Economic Development, Sandia National Laboratories

8:35-8:40

Introduction

Dan Sanchez, DOE Technology Partnerships Manager, NNSA Sandia Field Office

8:40-9:00

Research and Partnerships at Sandia National Laboratories

Julia Phillips, Vice President and Chief Technology Officer, Sandia National Laboratories

9:00-9:20

Technology Transfer at Sandia National Laboratories

Peter Atherton, Senior Manager, Industry Partnerships, Sandia National Laboratories

9:20-10:20

Available Intellectual Property at Sandia National Laboratories

Moderator: *Mary Monson*, Manager, Business Development and Licensing, Sandia National Laboratories

Panelists:

Bob Westervelt, Licensing Executive, Sandia National Laboratories

Cliff Ho, Distinguished Member Technical Staff, Concentrating Solar Technologies, Sandia National Laboratories

Darren Branch, Principal Member Technical Staff, Biosensors and Nanomaterials, Sandia National Laboratories

Greg Nielson, Principal Member Technical Staff, Optical Micro and Nano Systems, Sandia National Laboratories

10:20-10:40

Morning Networking and Refreshment Break

10:40-11:40

Sandia Partnership Success Stories

Moderator: *John Freisinger*, President and CEO, Technology Ventures Corporation

Panelists:

Summer Locke, Technology Sourcing Manager, Boeing Research & Technology

Ann Adams, Relationship Management Specialist, Sandia National Laboratories

John Morse, New Business Development Manager, Parker Hannifin Corporation

Michael Siegal, Principal Member Technical Staff, Nanoscale Sciences, Sandia National Laboratories

Erin Beaumont, Innovation Manager, University of New Mexico

Brooke Marshall Garcia, Licensing Executive, Sandia National Laboratories

AGENDA

11:40-11:50 Break

11:50-12:30 Lunch

12:30-1:30

Utilizing Economic Development Programs at Sandia National Laboratories

Moderator: *Jackie Kerby Moore*, Manager, Technology and Economic Development, Sandia National Laboratories

Panelists:

Scott Forman, Emergency Room Physician; Founder and Chairman, Héros; New Mexico Small Business Assistance Program

Dan Neal, Research Fellow, Abbott Medical Optics; Entrepreneurial Separation to Transfer Technology Program

LeAnn Miller, Senior Manager, Cyber Engineering Research Laboratory, Sandia National Laboratories; Sandia Science & Technology Park

1:30-2:30

University Partnerships and Strategies for Engagement

Moderator: *Ben Cook*, Senior Manager, Chief Technology Officer Programs Office, Sandia National Laboratories

Panelists:

Cynthia Phillips, Senior Scientist, Discrete Math and Complex Systems, Sandia National Laboratories

Michalis Faloutsos, Professor and Department Chair of Computer Science, University of New Mexico

Randall Cygan, Senior Scientist, Geoscience, Climate, and Consequence Effects, Sandia National Laboratories

Jeff Tsao, Distinguished Member Technical Staff, Semiconductor and Optical Sciences, Sandia National Laboratories

David Gallegos, Senior Manager, Software Product Realization, Sandia National Laboratories

2:30-4:00

Afternoon Poster Session, Networking and Refreshments

Julia Phillips, Vice President and Chief Technology Officer, Sandia National Laboratories

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