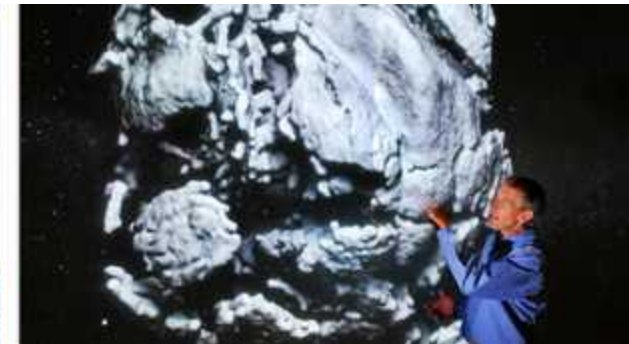


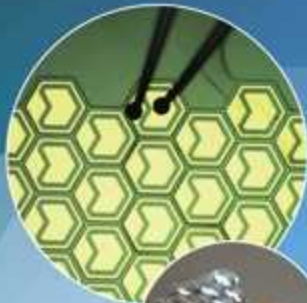
*Exceptional service in the national interest*



# National Innovations Summit Booth Presentation 5/4/2013

# EMERGING SCIENCE & TECHNOLOGY

Sandia provides innovative, science-based systems engineering solutions to our nation's most challenging national security problems.



## **MICROSYSTEMS ENABLED PHOTOVOLTAICS (MEPV)**

Harnessing energy from a variety of light sources in flexible, moldable, and flat-plate formats.



## **WIDE BANDGAP (WBG) SEMICONDUCTOR RESEARCH**

Improving high wide energy bandgap materials and devices for higher performance, and reduced system size and complexity.



## **WIND RADAR**

Validating commercial technologies that have potential to mitigate electromagnetic interference from wind turbines on radar systems.



## **RapiDx & SpinDx**

*Lab-on-a-Chip Technology for Portable Medical Diagnostics*

RapiDx analyzes drops of blood or saliva enabling low-cost, rapid diagnosis during an office visit and SpinDx can test and diagnose up to 64 assays on a single disc within 15 minutes of sample collection.



National Solar Thermal Test Facility • Combustion Research Facility • Battery Abuse Testing Laboratory • National Infrastructure Simulation and Analysis Center  
Photovoltaic Systems Evaluation Laboratory • Center for Integrated Nanotechnologies • Distributed Energy Technologies Laboratory • Microsystems and Engineering Sciences Applications

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-04OR21400.