





Proudly Operated by Battelle Since 1965

The Future of the Pacific Northwest National Laboratory

Presented at TRIDEC'S 52ND ANNUAL MEETING



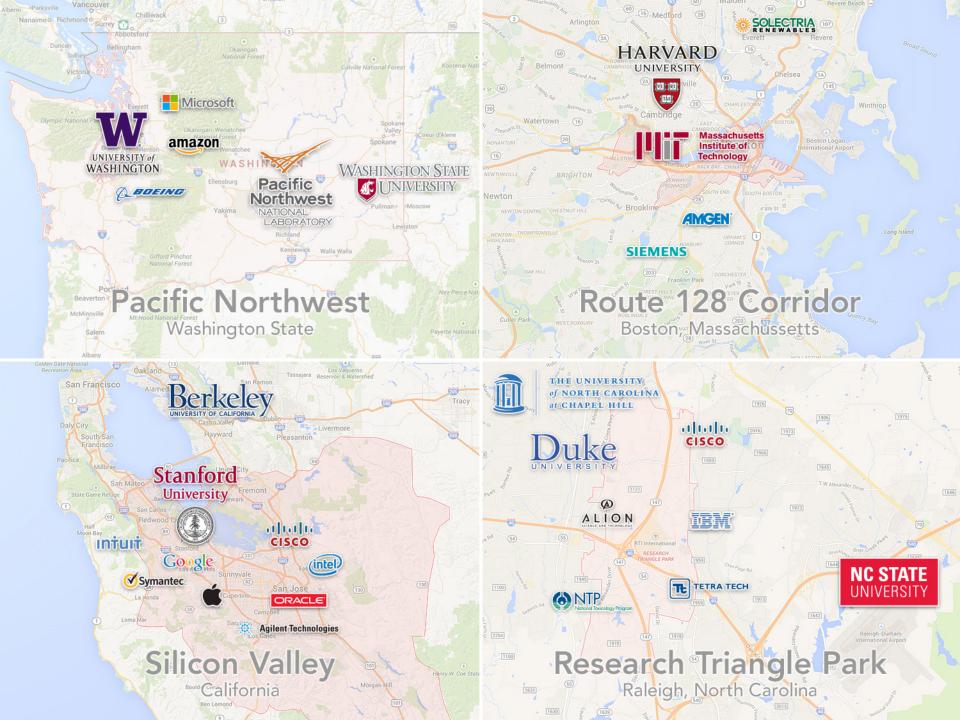
April 20, 2015

Dr. Steven Ashby, Laboratory Director

DISCOVERY







PNNL leverages its science base to provide national leadership



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PNNL science vision: Understand, predict, and control complex adaptive systems



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EARTH ► Clouds and Aerosols **►** Water Cycle ► Microbial Communities

ENERGY

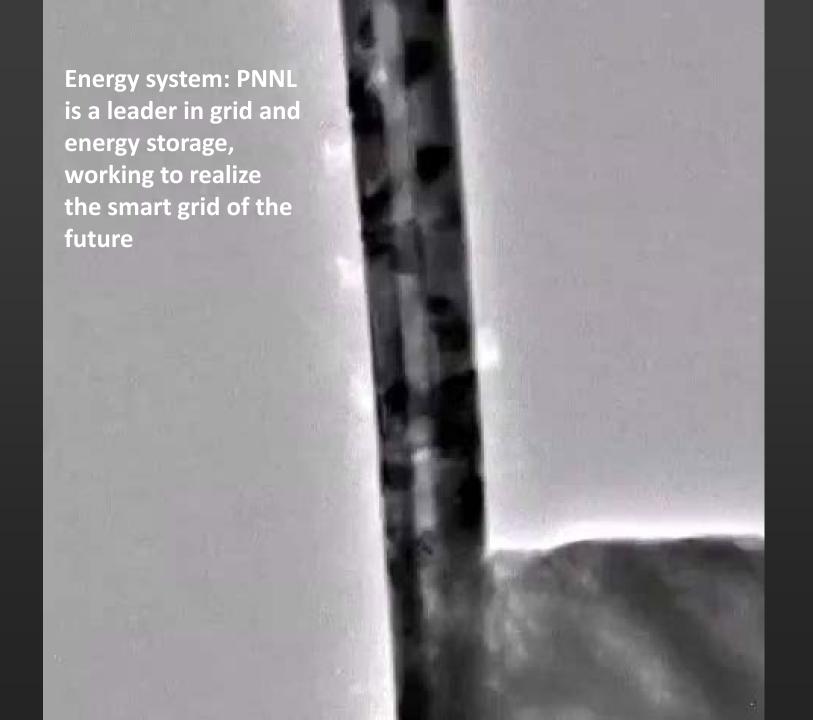
- **►** Energy Storage
- **►** Energy Conversions
- ► Control and Security

SECURITY

- ► Ultra-Trace Detection
- ► Novel Signatures
- ► Data-Driven Discovery









WASHINGTON STATE UNIVERSITY





U.S. DEPARTMENT OF ENERGY

Battelle

The Business of Innovation



Pacific Northwest SMART GRID

DEMONSTRATION PROJECT

VAISALA































Portland General Electric













The Systems Engineering Laboratory will support Data Analytics research DANGER





- Access to Market
- Commercial Need



- Scientific & Technical Expertise
- Unique Facilities



- Land/Buildings
- Investor Networks



PARTNERSHIP