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National Lab Day

Lectures

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10-8-2019

### DOE Multiprogram National Laboratories

Amanda Petford-Long

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# DOE MULTIPROGRAM NATIONAL LABORATORIES

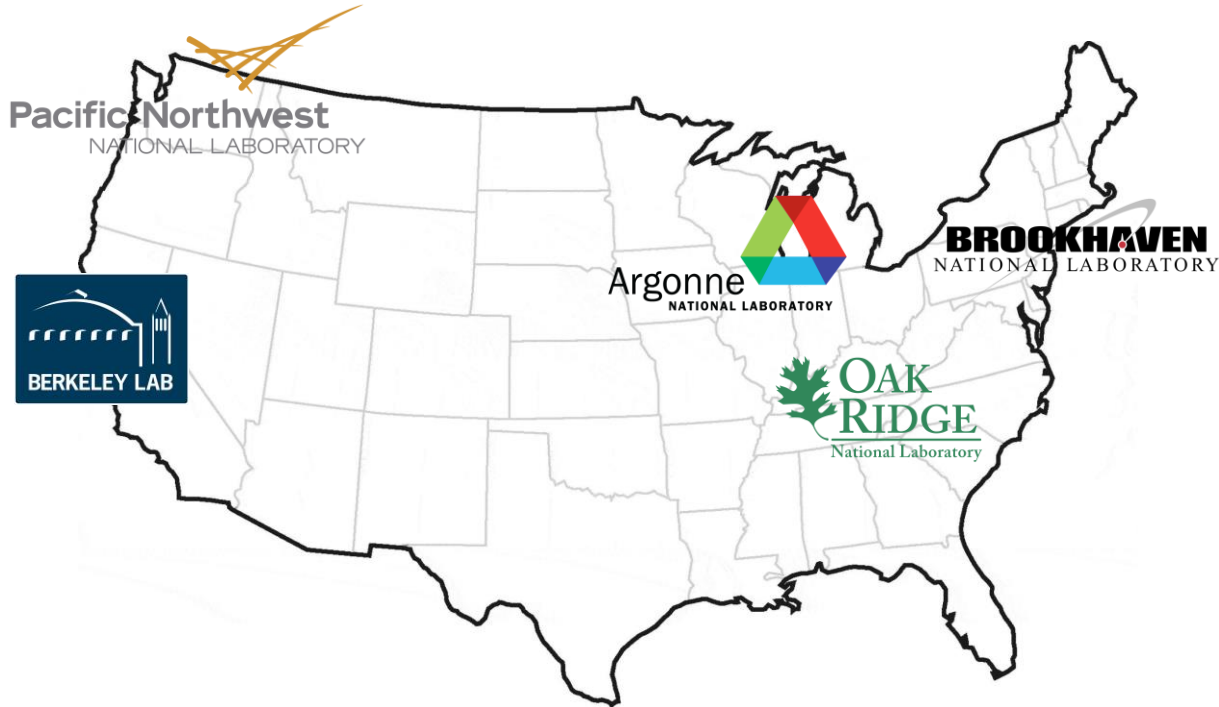


**AMANDA PETFORD-LONG**  
Interim Division Director  
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Argonne National Laboratory

October 8, 2019

# NATIONAL LABS FOR BASIC AND APPLIED RESEARCH

Five across the United States



U.S. DEPARTMENT OF  
**ENERGY**

Argonne National Laboratory is a  
U.S. Department of Energy laboratory  
managed by UChicago Argonne, LLC.

# ACCELERATING SCIENCE AND TECHNOLOGY

## Role of U.S. Department of Energy National Labs



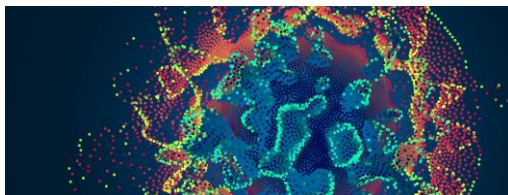
End-to-end, from discovery to application

User facilities integrated with our research

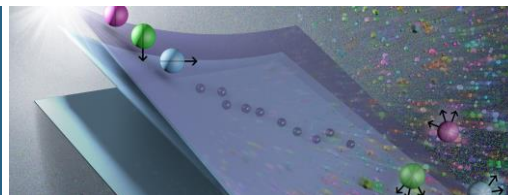
Collaborations within and outside labs

# UNLOCKING NEW FRONTIERS

## EMERGING INITIATIVES



Artificial  
Intelligence  
for Science



Quantum  
Information  
Science

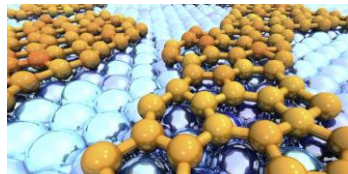
## MAJOR INITIATIVES



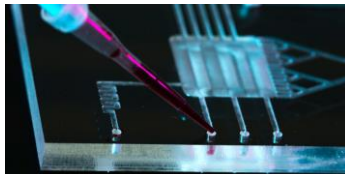
Hard X-ray  
Science



Advanced  
Computing



Materials and  
Chemistry



Manufacturing  
Science &  
Engineering



Universe  
as Our Lab

# DRIVING COLLABORATION

Working with Industry, Academia, and Government



Advanced Photon Source

Joint Center for  
Energy Storage Research



Chicago Quantum Exchange

# INVESTING IN OUR FUTURE

## Building a World-Class Community of Talent





# NATIONAL LABS PROMOTE U.S. PROSPERITY AND SECURITY

Questions? Contact  
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