

# CAREER OPPORTUNITIES

SAND2018-3003C

## OUTSIDE ACADEMIA

Marta D'Elia, *Center for Computing Research, Sandia National Labs., NM*

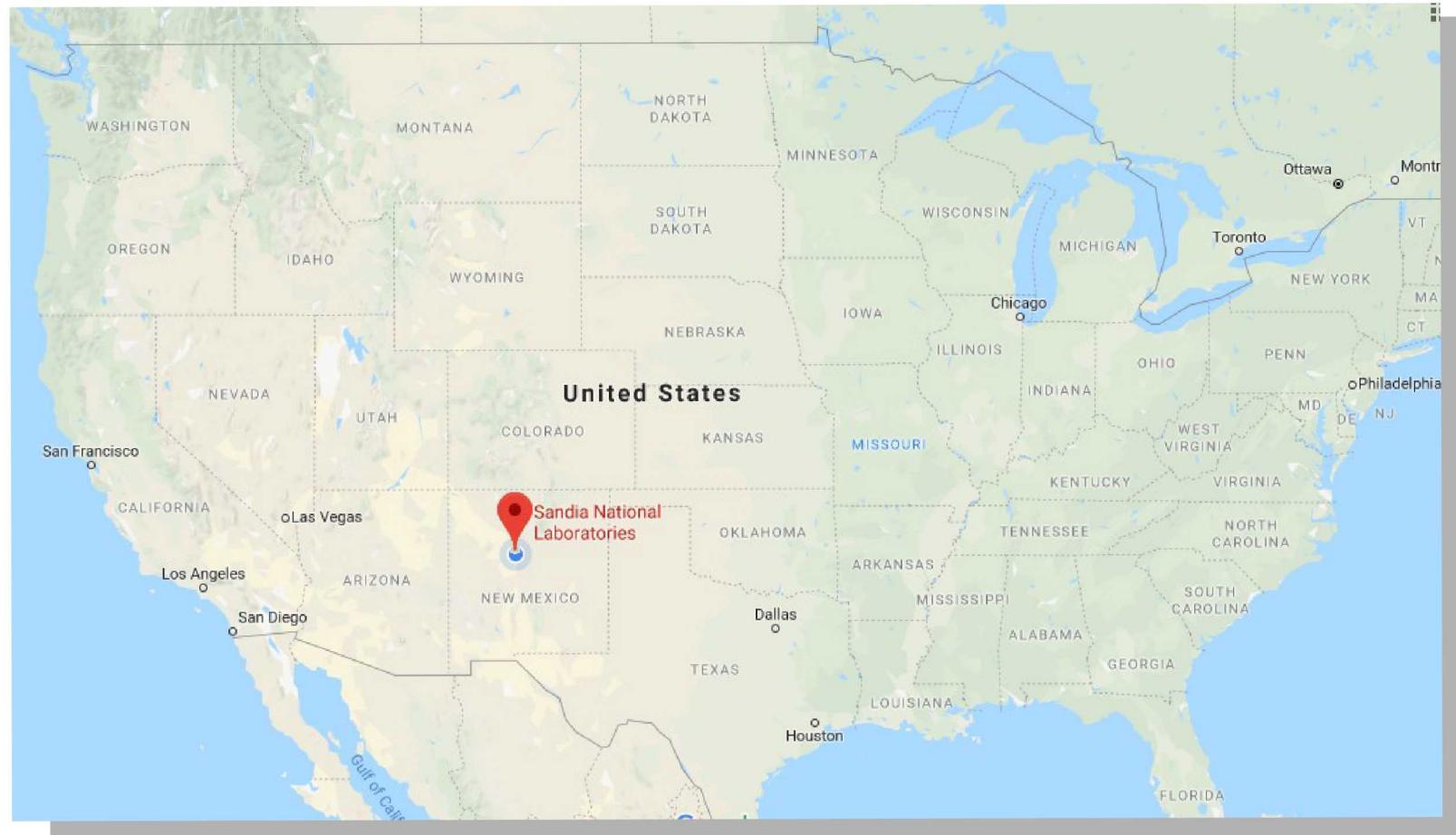
### 6<sup>th</sup> Midwest Women in Mathematics Symposium

Purdue University, April 7<sup>th</sup>, 2018



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# Where are we?



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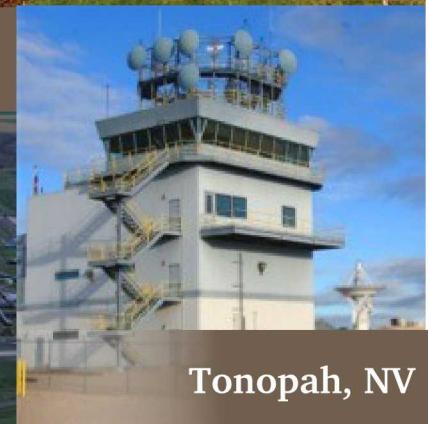
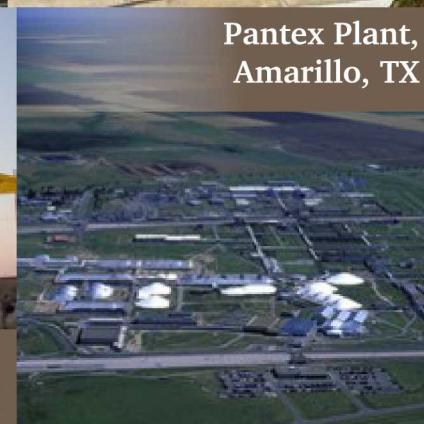
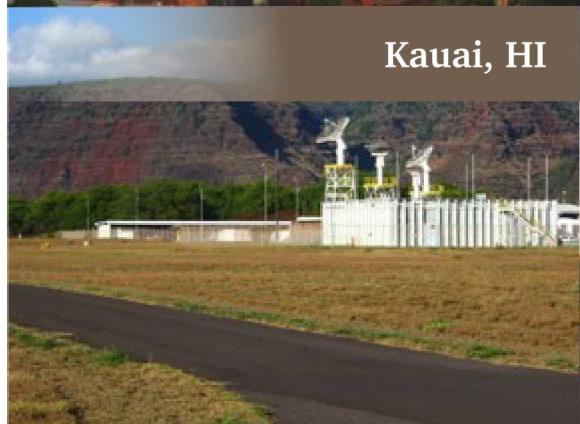
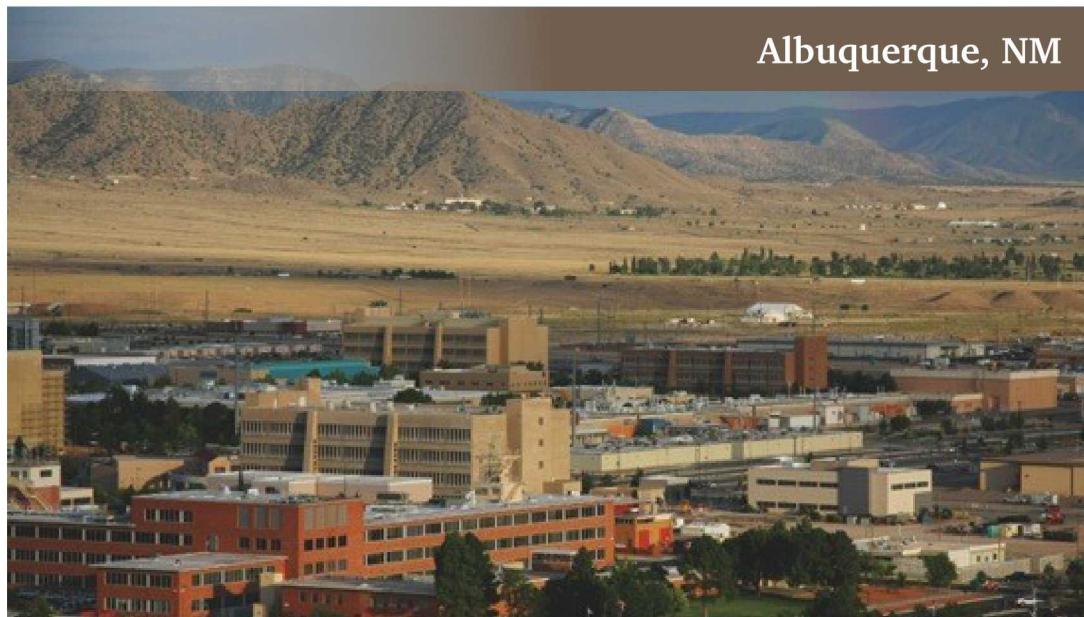


# Where are we?



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# Sandia sites



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# Sandia's Activities

- Nuclear Weapons
- National Security and Defense
- Energy

## Energy Research

ARPAe, BES Chem Sciences, ASCR, CINT,  
Geo Bio Science, BES Material Science

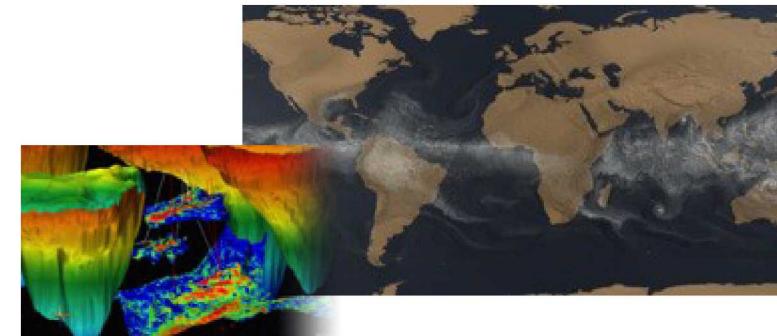


## Renewable Systems & Energy Infrastructure



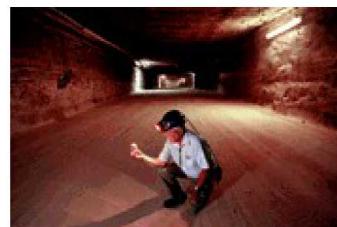
## Climate & Environment

Measurement & Modeling, Carbon Management,  
Water & Environment, and Biofuels



## Nuclear Energy & Fuel Cycle

Commercial Nuclear Power & Fuel, Nuclear Energy Safety & Security, DOE Managed Nuclear Waste Disposal



## Transportation Energy & Systems

Vehicle Technologies, Biomass, Fuel Cells & Hydrogen Technology



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# Student Internships at National Labs

- MSGI, <https://orise.orau.gov/nsf-msgi/>: NSF-funded opportunity for PhD students to do an internship at a DOE lab
- Sandia runs several **Intern Institute Programs** (grad and undergrad level)  
[http://www.sandia.gov/careers/students\\_postdocs/internships/institutes](http://www.sandia.gov/careers/students_postdocs/internships/institutes)



# Postdoc opportunities at Sandia

[http://www.sandia.gov/careers/students\\_postdocs/postdocs.html](http://www.sandia.gov/careers/students_postdocs/postdocs.html)

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- [Postdoctoral Appointee \(661209\)](#)
- [Postdoctoral Appointee - Algorithm and Software Development \(661188\)](#)
- [Postdoctoral Appointee - Analog Circuit](#)



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# CCR – center for computing research

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CENTER FOR COMPUTING RESEARCH (CCR)

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The Center for Computing Research (CCR) at Sandia creates technology and solutions for many of our nation's most demanding national security challenges. The Center's portfolio spans the spectrum from fundamental research to state-of-the-art applications. Our work includes computer system architecture (both hardware and software); enabling technology for modeling physical and engineering systems; and research in discrete mathematics, data analytics, cognitive modeling, and decision support materials.

### CCR Research

Computational Physical Simulation

Data and Decision Sciences

Motivating Applications & Software

Scalable Computing



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# CCR/1440

## Computational Sciences & Math Org. 1440

- Optimization and Uncertainty Quantification
- Computational Mathematics
- Computational Multiphysics
- Multiscale Science
- Multiphysics Applications

