



# Sandia National Laboratories Information Session

*World-changing technologies. Life-changing careers.*

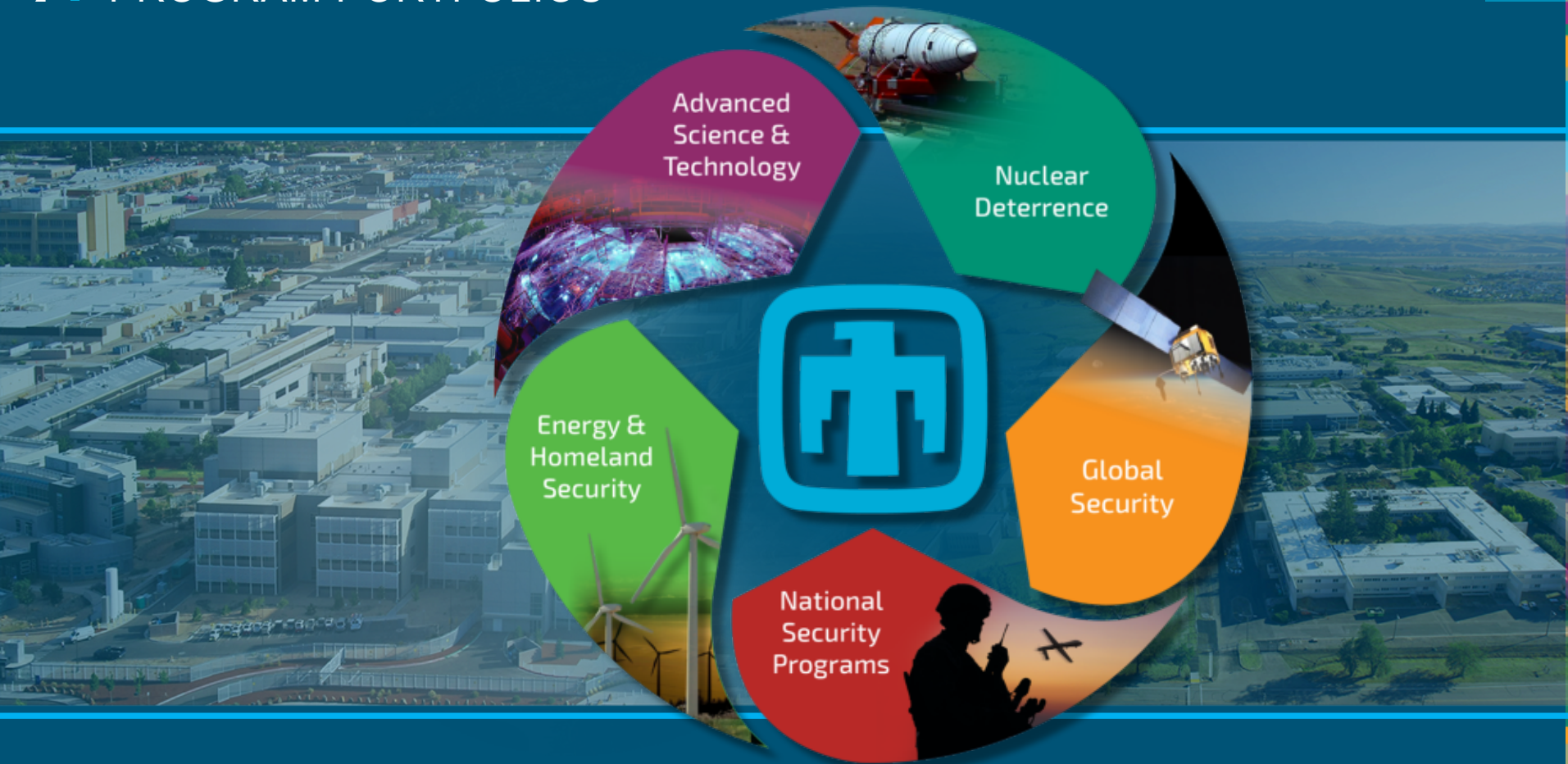


All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or veteran status and any other protected class under state or federal law.

Sandia National Laboratories is a multimission laboratory managed and operated by National Technology and Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International, Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA-0003525. SAND2020-8127 HR. 08/2020

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# SANDIA HAS FIVE MAJOR PROGRAM PORTFOLIOS



# Sandia's Impact



Sandia is often called upon to respond to high-profile events, including the current COVID-19 Pandemic.



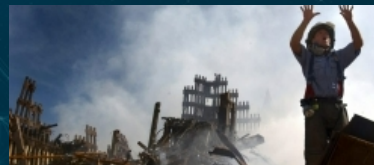
## COVID-19 Pandemic

Sandia scientists and engineers are collaborating not only on how to put an end to COVID-19, but Sandians are creating medical equipment, using data to forecast potential outbreaks and contributing their time and efforts to surrounding communities.



## Cleanroom invented 1963

\$50 billion worth of cleanrooms built worldwide. They're used in hospitals, laboratories and manufacturing plants today.



## 9/11

Sandia sets contingency plans for release of materials and aircraft attacks on critical facilities immediately after 9/11. Search dogs are equipped with cameras for search and rescue K-9 handlers. The capability allowed search efforts to be carried out in spaces inaccessible to humans.



## Detecting IEDs

Combat personnel now have a new tool for uncovering improvised explosive devices: Sandia's highly modified miniature synthetic aperture radar system, which is being transferred to the U.S. Army.

# Grid Modernization group



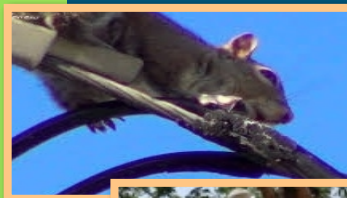
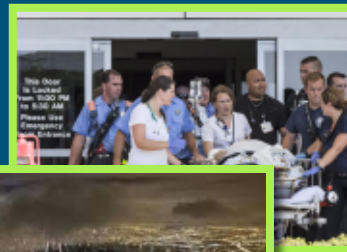
Includes **low probability, high consequence** events.

Resilience

Reliability

Not widely adopted. Still working  
Focus on system performance  
with **methods, metrics and tools**  
expected events (component  
failure, etc.)

Widely adopted for infrastructure  
investment decision-making









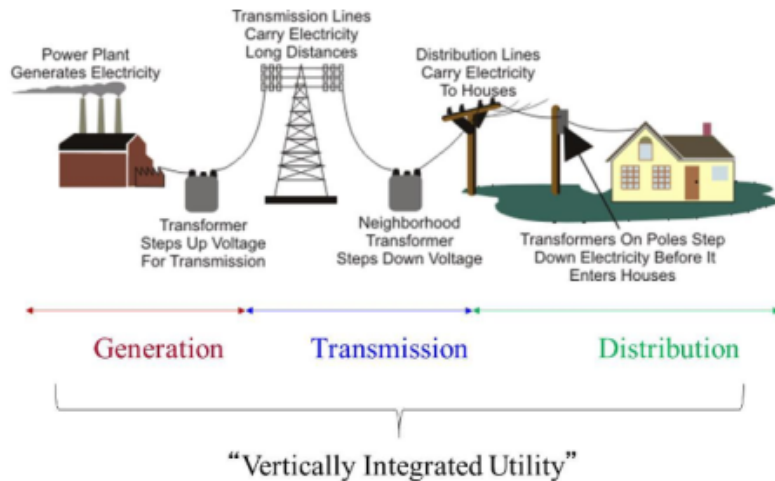


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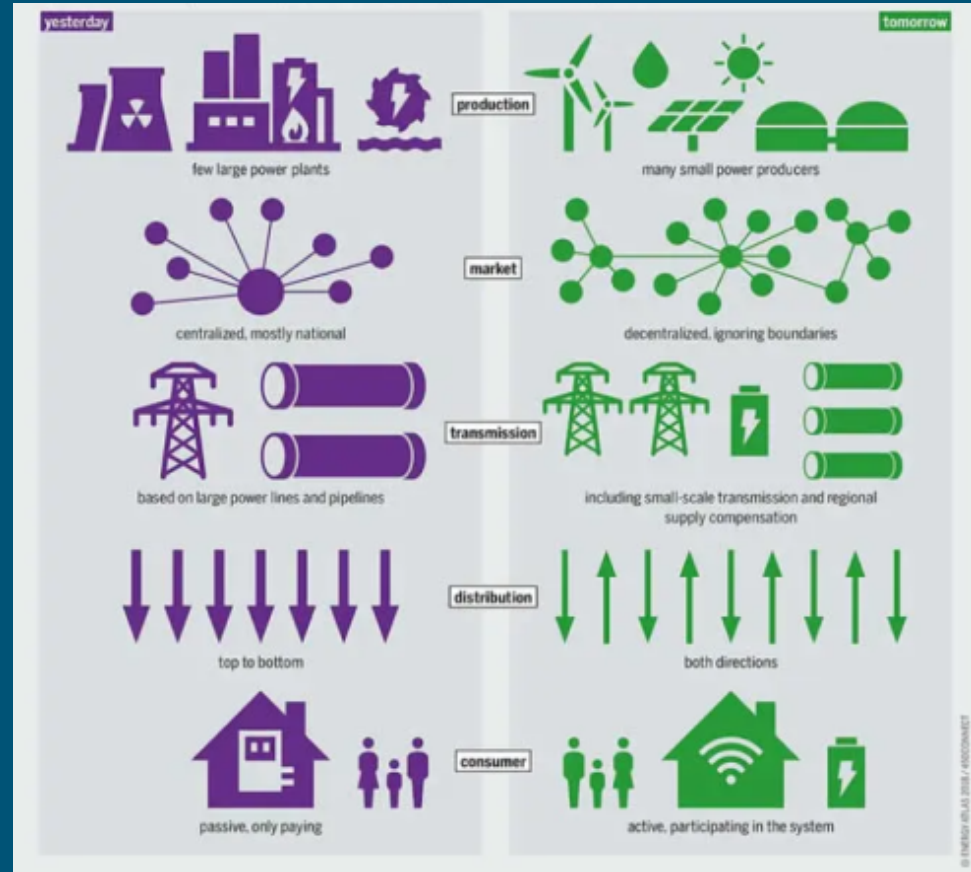
# Renewable and Distributed Systems Integration



## Electric Power Grid – Increasingly centralized or decentralized?



Source: Energy Information Administration



<https://www.i-scoop.eu/industry-4-0/smart-grids-electrical-grid/>





PV + Storage Microgrid supporting community resilience in Rutland, VT



# Internships



Encourages qualified students to develop interests in critical skills areas related to our mission, with the ultimate objective of developing our pipeline for our future. Available for Summer, Year Round and Co-op.

## Eligibility Criteria

- Full-time enrollment status at an accredited school during the academic school year
- Undergraduate equivalent of 12 hours per semester
- Graduate equivalent of 9 hours per semester
- Must have a minimum cumulative GPA of 3.0 on a 4.0 scale for Technical, R&D, and Business interns; 2.5 on a 4.0 scale for Clerical and Labor interns
- Have U.S. citizenship for positions that require a security clearance or as stated in the job posting
- At least 16 years of age



# Internships – Outreach & Networking Events

Summer Welcome Event

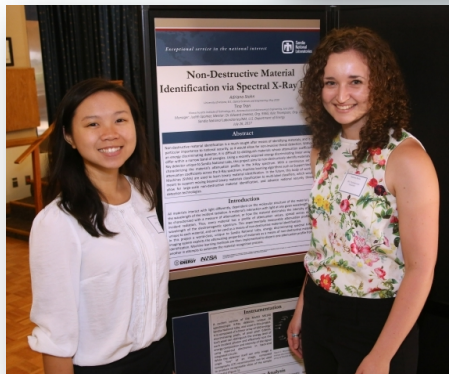
Intern Career Fair

Intern Symposium

Facility Tours

Speaker Forums

Professional Development Classes



# Institute Internships

## [Institute Programs Website](#)



- Computer Science Research Institute (CSRI)
- Energy Surety Incubator (ESI)
- Interdisciplinary Design, Engineering, and Assurance Students (IDEAS)
- Interns for Security, Arms Control, and Force Protection Engineering (iSAFE)
- Mission Services Talent Acquisition Team (MSTAT)
- Monitoring Systems and Technology Intern Center (MSTIC)
- Nonlinear Mechanics and Dynamics (NOMAD)
- Nuclear Weapons Summer Product Realization Institute (NWSPRINT)
- Research and Applications of Mechanics of Structures (RAMS)
- Science of Extreme Environments Research Institute (SEERI)
- TITANS:
  - AutonomyNM
  - Cybersecurity
  - Math and Analytics



# Apply Online! [sandia.gov/careers](http://sandia.gov/careers)



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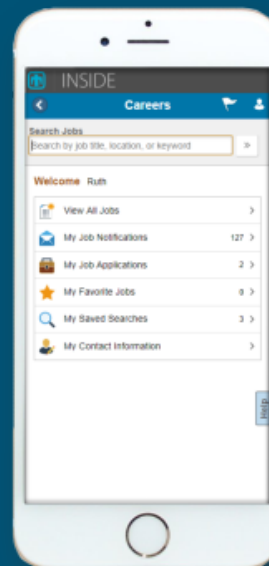
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**Receive automatic email updates on new postings**

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Applications





# Sandia Fall 2021 Recruiting Events



## New Mexico State University

- 9/14: Career Expo (Business)
- 9/15: Career Expo (Engineering)
  - Virtual career discussions will follow each fair depending on the candidates met during the events

## North Carolina A&T

- 9/15: Fall Virtual Career Fair

## Other Universities

Visit the link below to find out which events Sandia will be attending:

<https://www.sandia.gov/careers/career-possibilities/students-and-postdocs/campus-recruiting/events/>

# Thank You!

