



Exceptional service in the national interest

Sandia Water Power Workforce/STEM Outreach

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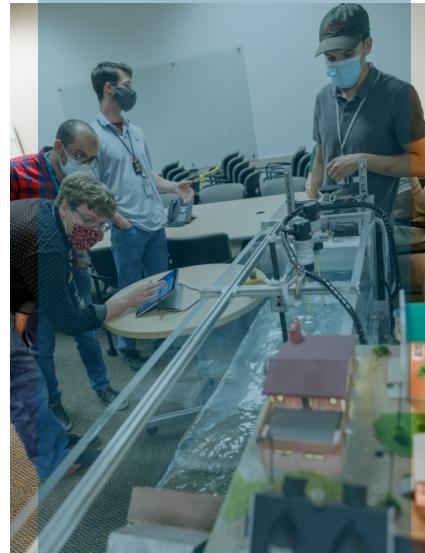
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Sandia Activities in STEM Outreach

COMMUNITY INVOLVEMENT

An office at Sandia dedicated to promoting community leadership, educational success, and family stability.

- Through this office many education programs are offered: family science nights, volunteering with local STEM programs, kids day, etc.

INTERNSHIPS / FELLOWSHIPS / RECRUITING

Opportunities that range from high school to PhD.

- Many of our research internships can be experienced through technical institutes that encompass a range of disciplines, including cyber security, energy surety, engineering design, and software development. Each institute provides a team to guide and mentor interns in projects aligned with their major or area of particular technical interest. **Professional development and social activities** supplement project work to create an even more rewarding experience.
- Sandia provides postdoctoral fellows with professional development opportunities and prepares fellows to conduct independent, groundbreaking research.
- Sandia's Critical Skills Recruiting Program (CSR) is a special, entry-level hiring program, which provides new or recent technical bachelor's degree candidates the opportunity to pursue a fully funded Master's of Science degree.



Specific Water Power Activities in STEM Outreach



SIWEED

The Sandia Interactive Wave Energy Education Display gives students a hands-on approach to understand wave energy through a small wave tank, interactive display, and model town.

energy.sandia.gov/SIWEED



PRESENTATIONS

Various presentations to students and the community. Recent development of an academic-focused presentation for use in high-school/college-level education.

energy.sandia.gov/waterwebinars



INTERNSHIPS

Participation in Sandia's internship program – currently hosting 5 interns and 7 postdocs.

<https://www.sandia.gov/careers/career-possibilities/students-and-postdocs/internships-co-ops/>



Future Ideas/Brainstorming

- STEM presentations to students (e.g. through APS, and minority serving universities [like UNM and UPRM])
- Engagement with employee resource groups and facilitate STEM outreach activities
- Internships with students from diverse backgrounds
- Partner on research projects with minority serving universities (e.g. UNM and UPRM) and with associations (e.g. US-RSE)
- Build marine energy demos for outreach
- Develop a marine energy course for HMTech
- Participation with external scholarship/STEM programs (e.g. the International Network on Offshore Renewable Energy)

