

Location: Albuquerque, NM
Full Time, Regular

What Your Job Will Be Like

We are seeking a highly motivated Systems Engineer to support our role within a multi-institutional leadership team responsible for the successful execution of large-scale, field-experiments. The selected candidate will support a research program incorporating field, laboratory, and modeling studies aimed at enhancing our nation's capabilities for monitoring underground nuclear explosions anywhere in the world!

On any given day, you may be called on to:

- Collaborate with a lead systems engineer to support the technical development of scientific objectives, experiment requirements, interface documents, and verification plans.
- Engage in a team, composed of participants from multiple national laboratories and institutions, to develop, maintain, and communicate a technical baseline for the experiments. Additionally,
- Responsible for partnering with domain experts throughout the DOE complex, including both scientists and engineers, to solicit input supporting the technical basis of the experimental requirements.
- Increase both Sandia's and your own impact and standing in these programs by producing high-quality results.
- Perform your work according to Sandia values, which include serving national needs, delivering with excellence, respect for others, teaming, and scientific integrity.

This position will require up-to 20-25% of the year. Due to the nature of the work, the selected applicant must be able to work onsite.

Qualifications We Require

- Master's degree in Systems Engineering or relevant technical field; Or equivalent combination of relevant education and experience
- Experience with integrating complex systems or experiments
- Ability to obtain and maintain a DOE Q-level security clearance

Qualifications We Desire

- Systems Engineering certification
- Experience in the following:
 - One or more aspects of a project's life-cycle
 - Performing systems engineering activities such as generating system requirements, interface definitions, and/or verification activities
 - Performing off-site field work
 - Management tools, such as DOORS
- Ability to work effectively both individually and as a team member
- Strong organizational, written, oral, and presentation skills
- Active DOE security clearance or DOD equivalent

About Our Team

We perform geophysical monitoring research and development in support of Sandia's mission as a national security laboratory. The team's geophysics expertise addresses challenges surrounding ground-based nuclear detonation detection through next-generation algorithms exploiting multi-phenomenological data, advanced sensor technologies, and demonstration experiments. We have a wide range of expertise in field seismology, subsurface characterization, seismo-acoustic and infrasound modeling; evaluation of seismic and infrasound sensors and systems; and the processing, analysis, and interpretation of all types of geophysical data. Technical work spans the spectrum from theoretical to applied and includes strong modeling, lab and field data collection, and analysis capabilities. The department serves as Sandia's resource for ground-based monitoring expertise, collaborating with departments across the labs to integrate multiple types of data-including optical, seismic, electromagnetic, infrasound, atmospheric, radionuclide-to address broad national security needs.

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

Apply online at:
sandia.gov/careers
Job #: 686428

About Sandia:

Our culture values work-life balance; we offer flexible work schedules like a 9/80 or 4/10 alternative work week, part-time options and telecommuting opportunities - with management approval, on-site fitness and medical facilities, and three weeks of vacation. Sandia provides employees with a comprehensive benefits package that includes medical, dental, vision, and a 401(k) with company-match.

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, post docs, and visiting researchers all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to energy and combustion research, computer security, and nuclear defense.

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Life-changing careers.*

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