

Job Listing IRC73189 (jobs.lanl.gov)

Job Title Radio-Frequency Remote Sensing Postdoctoral Research Associate

Location Los Alamos, NM, US

Organization Name ISR-2/Space and Remote Sensing

What You Will Do

The Space and Remote Sensing Group (ISR-2) at Los Alamos National Laboratory is looking for outstanding applicants to fill several postdoctoral positions. Postdoctoral candidates are required to have a Ph.D. degree, completed within the past five years, or soon to be completed. Appointments are for two years, renewable for a third year.

Our team's research program in lightning and ionospheric physics is conducted in support of the development and performance assessment of GPS-based global nuclear detonation sensors for treaty monitoring. LANL offers a stimulating environment of diverse, world-class science, in a beautiful mountain setting, where scientists pursue research to solve problems of national significance. The successful candidate will be encouraged to participate in both satellite-based data collections and in field campaigns, and should have familiarity with scientific data processing, programming, and statistical analysis.

What You Need

Minimum Job Requirements:

- A background in a relevant branch of physics (e.g., atmospheric, astronomy, plasma), electrical engineering, or a closely related discipline
- Excellent communication skills
- The ability and desire to work as part of a multi-disciplinary team
- The willingness to expand into new fields
- The ability to work independently, with creativity and initiative
- A history of publishing in refereed scientific journals
- Ability to obtain and maintain a DOE Q clearance, which normally requires U.S. citizenship

Desired Skills:

- Familiarity with atmospheric and ionospheric phenomenology, especially as it involves the generation and propagation of radio-frequency signals
- Familiarity with design and deployment of RF remote sensing systems
- Experience with antenna design and theory

Large-volume data analysis techniques and statistical analysis skills

Education: PhD in Physics/Engineering or related discipline completed within the last 5 years or soon to be completed.

Notes to Applicants: In addition to a resume, candidates must submit a cover letter addressing how you meet the specific job requirements and desired skills.

Additional Details:

Q Clearance: Applicants selected will be subject to a Federal background investigation and must meet eligibility requirements* for access to classified matter.

*Eligibility requirements: To obtain a clearance, an individual must be at least 18 years of age; U.S. citizenship is required except in very limited circumstances. See DOE Order 472.2 for additional information.

New-Employment Drug Test: The Laboratory requires successful applicants to complete a new-employment drug test and maintains a substance abuse policy that includes random drug testing.

Candidates may be considered for a Director's Postdoc Fellowship and outstanding candidates may be considered for the prestigious Richard P. Feynman, Darleane Christian Hoffman, J. Robert Oppenheimer, or Frederick Reines Distinguished Postdoc Fellowships.

For general information go to Postdoc Program.

Equal Opportunity:

Los Alamos National Laboratory is an equal opportunity employer and supports a diverse and inclusive workforce. All employment practices are based on qualification and merit, without regards to race, color, national origin, ancestry, religion, age, sex, gender identity, sexual orientation or preference, marital status or spousal affiliation, physical or mental disability, medical conditions, pregnancy, status as a protected veteran, genetic information, or citizenship within the limits imposed by federal laws and regulations. The Laboratory is also committed to making our workplace accessible to individuals with disabilities and will provide reasonable accommodations, upon request, for individuals to participate in the application and hiring process. To request such an accommodation, please send an email to applyhelp@lanl.gov or call 1-505-665-4444 option 1.

Where You Will Work

Located in northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.