



INTERNSHIP & CAREER SERVICES

HOWARD R. HUGHES COLLEGE OF ENGINEERING

SANDIA NATIONAL LABS JOB OPPORTUNITY

JOB Posting ID: 653096

Company: Sandia National Labs

Job Title: RF Systems Engineer

Position Type: Full-Time

College Major(s): Engineering

Website: www.sandia.gov/careers

Work Location: Tonopah Test Range

Salary: DOE

College Level(s): Graduates

OVERVIEW

Roles and Responsibilities

The Telemetry team is seeking an Electronics Engineer with experience in RF and telemetry systems. The role requires a comprehensive understanding of RF fundamentals and telemetry principles. Engineers are expected to; carry out site surveys, understand antenna requirements, troubleshoot data streams, integrate current technology into legacy systems, develop procedures and documentation, and able to set-up and calibrate equipment. The position also requires an understanding of PC-based control systems, RF ancillary equipment, telemetry equipment and function.

We seek a RF Engineer to join a multidisciplinary team that is designing and developing advanced components, subsystems, and systems for national defense programs, homeland security, and nondefense applications. These engineering teams employ state-of-the-art technologies, including sophisticated software tools for design, analysis, modeling, and simulation.

Job duties related to this position will include, but are not limited to:

- Operating a wide range of equipment related to analyzing and diagnosing problems encountered during live tests, while receiving, decommutating and recording customer data;
- Interfacing with new and existing customers to understand and implement operational requirements and to tailor the ground station configuration to support mission requirements;
- Developing and implementing equipment upgrades to keep the telemetry ground station technically aligned with current telemetry systems and range requirements

Qualifications and Education Requirements

1. Master's degree in relevant engineering discipline; a bachelor's degree in relevant engineering discipline coupled with four or more years' experience relevant to posting requirements will also be considered.
2. Application-level knowledge and experience in RF theory and telemetry principles.
3. 5 years of experience in an applicable Systems Engineering, Radio Frequency Analysis, Telemetry, or other Engineering Science.
4. Ability to conceptualize and document major elements of telemetry system design and function.



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- 5. Demonstrated experience working with telemetry ground stations, including telemetry ground station system design, development, integration, configuration management, and testing.
- 6. Demonstrated experience with real time processing of target and interceptor telemetry.
- 7. Ability to obtain and maintain a DOE Q-level security clearance.

To Apply:

<http://www.sandia.gov/careers/index.html>