SANDIA NATIONAL LABS JOB OPPORTUNITY

Job ID: 653094
Company: Sandia National Labs
Website: www.sandia.gov/careers
Job Title: Range Integration/Technical Development Engineer
Work Location: Tonopah Test Range
Position Type: Full time
Salary: DOE
College Major(s): Electrical Engineering
College Level(s): Graduates

OVERVIEW

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.

Roles and Responsibilities

As a member of the Mission Assurance (MA) project team, the selected systems engineer will work to design and develop integrated control systems and provide data reduction processing and report generation to ensure the successful completion of the Laboratories’ flight test mission. Members of this team are responsible to the Range Manager for activities that maintain the Range’s suite of instrumentation in a test ready status. All MA team members are trained and qualified to perform an operational role during test activities. Each team member is responsible for following established range processes and procedures to ensure that all compliance requirements regarding the operation, facilities and infrastructure are met with quality. Incorporation of all corporate safety and work planning processes are inherent in this activity.

The TTR project team is seeking a systems engineer to contribute in the design, development, and implementation of range integrated control and tracking systems, including radar/optics/telemetry software and hardware integration. A successful candidate must have a demonstrated ability to innovate, organize, plan, implement, and document multiple tasks within given time constraints to successfully meet customer requirements. The position requires working with legacy testing systems as well as R&D systems, all of which must be routinely tested and verified for proper operation before and after test events.

Will work with the project manager and the customer to negotiate and define system requirements that enable mission function and performance; develop the system conceptual designs to meet those requirements; and define the necessary subsystems, components, and interfaces to realize the system. Design real-time networked data control systems, develop replacement control systems for tracking mounts, and integrate legacy systems into new data capturing infra-structure. Innovate and design new systems to optimize/automate tracking, data collection, and/or telemetry capabilities at the range.
Qualifications and Education Requirements

1. Master’s degree in Electrical Engineering or other applicable 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. Knowledge and experience in designing, constructing, and troubleshooting electrical hardware circuits.
3. Knowledge and experience in designing, planning, and coding user software interfaces and control systems.
4. Experience compiling, reducing, and generating reports based on collected test data.
5. Ability to obtain and maintain a DOE Q-level security clearance.

To Apply: