

Requirement for Senior Electronics Engineer

About Scientific, Inc.

Scientific, Inc. is a VA-Certified, Veteran-Owned, Employee-Owned Small Business headquartered in Huntsville, AL specializing in nuclear and space radiation effects system survivability, analysis, verification, and testing. Scientific provides full service science and engineering solutions to complex problems facing national defense and aerospace programs supporting both government and prime contractors. We study environment induced failures; explore new concepts and theories; execute and interpret environmental models; develop new technology designs and materials; and collaborate with government, industry, and academia to implement solutions for our customers.

Job Description:

Scientific is seeking a mid-career Electrical Engineer with electronics laboratory experience. The successful candidate would be a respected, results-oriented individual with experience working in team and individual environments. Desired experience: Analog and digital device and circuit design experience using industry standard design and layout tools; knowledge of modeling and simulation tools such as SPICE and/or TCAD; and hands on experience with formal problem solving and failure analysis tools and techniques. Extensive understanding of the operation of analog and digital semiconductor devices and supporting test equipment are required as well as general electronic laboratory skills such as soldering techniques. Knowledge of and training in LabView Programming and National Instruments Test Equipment is highly desired. This position will allow the candidate to gain knowledge of semiconductor physics, radiation effects on semiconductor devices to include knowledge of radiation effects (TID, ELDRS, SEE, etc.) and experience using radiation simulators.

Education Requirements:

BS or MS Electrical Engineering (or Electrical Engineering Technology) with experience with 10 - 15 years' experience.

Basic Qualifications (Skills/Experience):

Experienced in circuit design and schematic layout using industry standard EDA tools and techniques.

Experience with National Instruments (NI) LabVIEW software and High Performance Data Acquisition hardware such as the PXI chassis and components a plus.

Experience maintaining certifications and calibration data for all test equipment.

Managing multiple semiconductor characterization and qualification campaigns simultaneously.

Experienced in bench top testing and analysis of semiconductor devices, circuits, and systems.

Experience in modeling and simulation of circuits using tools such as SPICE.

Experience prototyping with FPGA's

Create reports based on test results.

Primary Job Location: Huntsville, AL

Job Posting: 5/20/2019

Position Type: Full-Time/Regular

Travel Requirements: 10 to 20 % per year

Security Requirements: Candidate must be a U.S. Citizen and possess, or have the ability to possess, a final Secret Clearance.

Closing Date: 6/31/2019

Scientific is an Equal Opportunity/Affirmative Action Employer, M/F/Disability/Veteran.

Scientific believes in recognizing employees' worth by offering competitive salaries and benefits, including health, dental, and vision insurance, 401(k) contributions, educational reimbursement, and much more.