Optical Metrology Engineer

Advertised Position Title: Optical Metrology Engineer

Requisition ID#: 16925BR

Division: Geospatial Systems

Work Location: Rochester, New York

Job Description:

Exelis is powered by ingenuity, which is the hallmark of our business, products and people. Exelis is a leader in networked communications, sensing and surveillance, electronic warfare, navigation, air traffic solutions and information systems with growing positions in cyber security, composite aero-structures, logistics and technical services. We provide innovative solutions in the areas of command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) and the Information and Technical Services markets. The company has a 50-year legacy of partnering with customers worldwide to deliver affordable, mission-critical products and services for managing global threats, conflicts and complexities.

Exelis is looking to hire a Metrology Engineer into the Precision Optics Group in Rochester, NY. This individual will provide optical engineering leadership to the Precision Optics team by providing engineering services and technical solutions to a wide range of products, projects or programs. May be assigned the engineering responsibility for a project or part of a project depending upon size, scope and complexity. Recommends alterations to development and design to improve quality of products and/or procedures. Works only under general direction; relies on experience and judgment to plan and accomplish goals. Complete understanding and wide application of technical principles, theories and concepts in the field. General knowledge of other related disciplines. Provide technical solutions of greater complexity to a wide range of projects, specializing in a field of expertise. Responsible for technical duties related to assigned programs and projects. Participates at designated level on the cost/schedule/technical aspects of engineering projects and programs within the guidelines set forth by management and/or the customer. Assesses engineering project and program issues and develops resolutions to meet productivity, quality, and customer-satisfaction goals and objectives. Provides engineering and engineering support as an individual contributor. This position requires familiarity with a broad general knowledge of engineering concepts, principles, theories and techniques. Work is closely supervised. Follows established procedures and specific, detailed instructions and/or guidance from more senior functional staff. Limited use and/or application of basic technical principles, theories and concepts to specific job assignments. Provide technical solutions to routine problems, specializing in a field of expertise.

The selected candidate will perform the following duties:

• Create, develop and design complex optical test plans and test sets for a wide variety of optical
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surfaces ranging from flats, spheres, and aspheres (on and off axis).

• Prepare optical test engineering input for Program Reviews and customer presentations as requested.

• Represent the organization as a prime optical technical contact on proposals, contracts, projects or products.

• Analyze technical problems arising in optical testing and manufacturing and develop optimal strategies for solving them.

• Understand, support, and improve existing technologies and investigate, develop, and implement new technologies.

• Design and develop metrology software for optical testing and manufacturing.

• Develop and maintain plans, schedules, and budgets for assigned projects.

• This position is a direct report to the Precision Optics OF&T Engineering Manager

Required/Desired Skills:

• BS in Optics, Physics, or other pertinent field required

• Experience: 0 –4 years with BS

• Experience with commercially available interferometry systems (ex. Zygo, 4D) and analysis software (ex. Matlab, MetroPro) required

• Ability to provide strong leadership to teams made up of engineers and technicians.

• Knowledge of statistical analysis and Design of Experiments required

• Proof of strong problem solving capability and people skills, and the ability to conduct presentations for management, technical experts, and customers required

• Applicants selected may be subject to a government security investigation and must meet eligibility requirements for access to classified information.

• U.S. Citizenship required

• MS in Optics, Physics, or other pertinent field
We are committed to an inclusive and diverse workplace that values and supports the contributions of each individual. This commitment along with our common Vision and Values of Respect, Responsibility, and Integrity, allows us to leverage differences, encourage innovation and expand our success in the global marketplace. Exelis is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, protected veteran status or status as an individual with a disability. EOE/Minority/Female/Disabled/Veteran.

Interested candidates can apply through www.exelisinc.com/CAREERS as follows:

- Click on Explore our Opportunities
- Click on Search Openings (Search Requisition# 16925)
- Select search criteria and view open jobs
- Click on Req ID # for detailed information about the position
- If qualified, select jobs and click on Apply to Jobs
- Follow instructions to submit resume
- After applying, please follow up with Nathan Kadar, College Relations Manager (Nathan.kadar@exelisinc.com)