Opto-Mechanical Design Engineer

Advertised Position Title: Opto-Mechanical Design Engineer

Requisition ID#: 14743BR

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.

The selected candidate will perform some or all the following duties. Additional duties may be required:

• Design, fabrication and assembly of opto-mechanical assemblies, which may include mirrors, windows, lenses, prisms, mount components and/or support equipment.

• Establish key performance error budgets.

• Create and release mirror component and mounted mirror drawings.

• Design strain-free mounted mirror assemblies.

• Generate test plans.

• Define requirements for support equipment.

• Conduct design reviews.

• Has an awareness of cost and schedule.

• Understanding of the different materials used in the design of optical assemblies and how to trade material choices.
Opto-Mechanical Design Engineer

Required Experience:

• Bachelor’s Degree in Mechanical Engineering or other related engineering or science degree required

• 3-6 years of related work experience required or MS degree with 0-4 years’ experience.

• Knowledge of basic engineering principles required.

• Ability to support design decisions with well documented engineering analyses and calculations required.

• Knowledge of 3D CAD modeling in ProEngineer CREO 2.0, Windchill 10.0 or related modeling application required.

• Experience with Microsoft office tools, Word, Excel, PowerPoint required.

Desired Skills:

• Active Secret Clearance.

• Strong analytical skills with emphasis on using and/or directing finite element analysis (FEA).

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

• U.S. Citizenship required.

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# 14743)
- 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) and Joanne Vadala, Senior Recruiter (Joanne.vadala@exelisinc.com)