

## Job Description Senior Electrical Engineer

Type of Job – Full Time – Salaried

Location – Swanzey, New Hampshire

### Job Summary

The Electrical Engineer IV is part of a team dedicated to advancing Nanotech's machine technology. This position is responsible for the electrical engineering and support of ultra-precision machine systems for the electro-optics manufacturing industry. This position will utilize CAD software for the design and development of ultra-precision machine systems. The Electrical Engineer IV is expected to be a subject matter expert and mentor junior engineers, providing technical direction to the electrical engineering team. The Electrical Engineer IV will have the ability to define and resolve complex problems. Typical projects are a combination of new development, maintenance, and revision of existing applications.

### Core Responsibilities

- Subject matter expert with thorough knowledge of the electrical engineering discipline.
- Provides technical subject matter direction to the entire electrical engineering team.
- Solves complex electrical problems using accepted engineering practices.
- Leads large products.
- Troubleshoots hydrostatics, pneumatics, PC based controllers, DC servo systems, PMAC or other logic controllers and other sophisticated electronic test equipment.
- Conceptualizes and engineers new, unique electrical systems that meet customer requirements.
- Represents panel layouts, schematics, wire run lists and assembly procedures using CAD systems and documentation such as Bill of Materials, specifications, instructions sheets.
- Performs engineering changes (EC) according to standard procedures with extreme attention to detail of the design, how the EC will affect disposition of past, present and future effected products, and EC documentation.
- Handles multiple projects simultaneously, meet deadlines, while effectively managing priorities and communicating progress.
- Actively participates in product design reviews and work directly with the engineering staff to develop cost effective solutions.
- Interfaces with engineers and technicians of the other Moore business units to help coordinate overall technical activities wherever appropriate and desirable.
- Ensures that all relevant data is collected, reviewed, and filed for all projects in accordance with standard procedures.
- Prepares and presents detailed technical reports to management and staff.
- Writes and publishes papers and presents at relevant conferences when mutually agreed upon with management.
- Contributes to written instruction and operation manuals for Nanotech's products.
- Performs in-house technical support.
- Helps to achieve the completion of all projects within budget and on schedule.
- Complies with safety regulations, ensuring that safe work practices are followed.
- Travels up to 10% of the time.
- Performs other related duties as assigned by management.

### **Education and Experience**

- Master's degree in Electrical Engineering from an accredited university and 7+ years of work experience, or a Doctorate in Electrical Engineering plus 3+ years of work experience.
- Demonstrated versatility and high competency levels in creativity and technical comprehension.
- Efficient and effective use of engineering tools such as CAD, Enterprise Product Data Management (EPDM) and associated work flows, and release processes.
- Computer proficiency in MS Office Suite.

### **Competencies**

- Excellent interpersonal skills (written and verbal communication, ability to articulate ideas and concepts, capable of positive influence and ability to work alone or as part of a team).
- Utilizes strong verbal and written skills to communicate effectively with technical and non-technical partners at various levels.
- Proactive technical leader who motivates, mentors, and elevates team success.
- Excellent organizational skills, with strong attention to detail.
- Maintains professionalism with all visitors and guests.

To apply for this position, please send your resume to: [careers@nanotechsys.com](mailto:careers@nanotechsys.com).