

Materials Engineer

Full Time, Immediate Availability

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QuesTek Innovations LLC, located in Evanston, IL, a leader in the field of Integrated Computational Materials Engineering (ICME), is seeking candidates for a Materials Engineer to perform work related to alloy design and development as part of QuesTek's Technology group.

The primary responsibilities of this position include:

- Working with design and development engineers to derive designs of experiments and oversee production and analysis of newly designed materials and alloys
- Execution and documentation of designed experimental work in support of QuesTek projects
- Management of laboratory maintenance and organization
- Working with outside materials testing vendors to collect data

A strong understanding of physical metallurgy and good communication skills (both written and oral) are essential. Preferred candidates will have a B.S. or M.S degree in materials science and engineering, with knowledge and experience in:

- Standard laboratory practices and safety
- Processing of materials (e.g. melting, hot/cold working, heat treating, additive manufacturing, and finishing processes such as coating/plating, superfinishing, peening, etc.)
- Metallographic specimen preparation and analysis
- Mechanical testing techniques and analysis (e.g. tensile, fracture toughness, fatigue, etc.)
- Corrosion testing techniques and analysis (e.g. general corrosion, stress corrosion cracking, etc.)
- Advanced characterization techniques such as X-ray Diffraction, Scanning Electron Microscopy, Energy-dispersive Spectroscopy, and others
- A variety of alloy systems (e.g. steel, aluminum, titanium, copper, nickel, etc.)
- ASTM standards and specifications

Compensation will be commensurate with experience and will include incentive programs and competitive benefits such as health insurance and a 401(k). QuesTek will only employ those who are legally and permanently authorized to work in the United States. Interested candidates shall submit their resumes and other information via the Careers page of www.questek.com. No phone calls, please.

QuesTek uses its proprietary *Materials by Design*[®] expertise to rapidly design and develop materials that reduce capital, processing, operating or maintenance costs, or improve environmental protection or competitive supply. QuesTek has licensed four alloys for production and sale, and has many more alloys in development.