

Materials Application Engineer Intern

Full-Time or Part-time, Immediate Availability

Posted January 2018

QuesTek Innovations LLC, located in Evanston, IL, a leader in the field of computational materials design, is seeking candidates for a Materials Applications Engineering Intern to perform work related to applications engineering support activities of QuesTek's computational-designed high-performance alloys. Applicants are sought for full-time and part-time positions.

The primary responsibilities of this position include:

- Experimental analysis in support of materials design, process optimization, and specification development
- Support projects and production of newly designed materials and alloys
- Aid in proposal writing activities to pursue funding in applying QuesTek materials into Department of Defense and industry applications
- Assist in providing technical support of material sales and marketing efforts

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

- 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
- Advanced microscopy characterization techniques (e.g. SEM, TEM, etc.)
- 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.)

Compensation will be commensurate with experience. QuesTek will only employ those who are legally authorized to work in the United States. Interested candidates shall submit their resumes and a cover letter summarizing how their experience would allow them to excel in this position 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.