Application Engineer Job Posting

Location: North Austin-Round Rock, Texas

The Company (who we are) - NovaCentrix offers industry leading photonic curing tools, material and expertise enabling development and production of next generation printed electronic devices – some already on the market. PulseForge® tools utilize photonic curing which is a cutting edge technology that dries, sinters, and anneals functional inks in milliseconds on low-temperature, flexible substrates such as paper and plastic. PulseForge tools can save time and money, and enable new types of products in applications like solar, RFID, display, packaging, and circuit.

The NovaCentrix team develops, patents, and commercializes new technologies in printed electronics, nanoparticle manufacturing, pulsed power equipment, and related fields. Our science and engineering team has decades of cumulative experience. We strive to create class-leading technologies, such as the PulseForge® tools and the Metalon® inks. We work to enable every customer to succeed in their efforts.

Your background/interests (who you are) – You have a general desire to learn new things with an interest in material science and related fields. You are independently motivated and take pride in what you do. Your technical expertise is complemented by a customer service attitude (genuine interest in and ability to work with customers – inside and outside the company). Having the opportunity to show initiative and learn new skills is important in your work environment and career growth. Travel, including global travel, is an enjoyable part of your work.

The role (what you will do) – You will be engaged in two specific areas of work. First you will work with current or potential customers to conduct hands-on experiments and demonstrations to explore the use of Pulse Forge tools in their applications. Second, you will travel to customer sites to transfer knowledge and train customers regarding the use of Pulse Forge equipment to maximum efficiency and safety. You will also be called upon to represent the company at trade shows and technical conferences where public presentations will sometimes be required. This is a customer-facing role and sales is always relevant. To prepare you for the research and customer contact, you will be mentored for an initial time period to more quickly gain knowledge and confidence.

Responsibilities:

- Take ownership of projects and work directly and independently with customers at NovaCentrix or customer facilities to conduct laboratory assessments of process equipment, functional coatings, thin films, sensors and more
- Design and fabricate prototype devices through functional printing or other solution processed techniques
- Develop a full understanding of conductive ink, printing and processing capabilities available at NovaCentrix with the ability to convey knowledge to customers
- Represent NovaCentrix at trade shows and technical conferences
- Work effectively with technical and non-technical members of the NovaCentrix team by developing and maintaining written work procedures

Qualifications:

- Undergraduate degree in engineering or natural sciences
- Prefer advanced degree in polymer science, colloidal science, chemistry, material science, electronics, or related fields
- Understanding of polymer, thin-film or nanoparticle properties and chemistry
- Lab/Research experience and aptitude (academic labs are acceptable)
- Basic knowledge of analog and digital circuits – including device physics and manufacturing

- Prefer basic understanding of traditional print methods: inkjet, screen, flexo, and gravure
- Strong mechanical aptitude
- Organized, self-motivated with strong interpersonal and communication skills and demonstrated ability to work in multi-disciplinary teams
- Demonstrated ability to exercise judgement and flexibility in prioritizing time
- Readiness and ability for up to 30% travel in the US, Europe, and Asia – multi-lingual capability a big plus
- Ability to rapidly learn and immediately re-apply diverse new technical concepts in dynamic multi-task team environment

To apply, send your resume to:

mike.webb@novacentrix.com