

R&D Electrical Engineer

Organization:



Analytical Sensors & Instruments, Inc. (ASI)
12800 Park One Drive
Sugar Land, Texas 77478

Headquartered in the Houston area, ASI is a manufacturer of electrodes, analytical sensors and chemical solutions used in a variety of water testing applications, including (i) industrial water analysis devices, (ii) meters used by water treatment companies, (iii) medical-related testing, (iv) laboratory water analysis, (v) environmental water testing, and (vi) recreational (pool/spa) applications. The Company's electrodes include ion selective electrodes (ISEs), pH, Oxidation-Reduction Potential (ORP), conductivity, and dissolved oxygen. In addition to electrodes, ASI manufactures temperature probes, laboratory accessories and chemical solutions. Customers include global distributors of laboratory supplies, leading OEMs of water testing devices and educational laboratories. Products are primarily private-labeled components manufactured and assembled to customer specifications at ASI's manufacturing sites in Texas and China.

Job Location:

Sugar Land, Texas U.S.A.

Job Description:

ASI's R&D function is critical to the company's success. ASI's R&D team has two primary responsibilities: (i) research and development of new products, and (ii) troubleshooting and improvements to existing products. The R&D team is essential in developing new analytical sensors and instrumentation, leading the conceptualization, research, design, prototype development, testing, and production launch. The R&D team is currently comprised of talented individuals with advanced degrees in the fields of chemistry, electrochemistry, electrical engineering, and mechanical engineering. We are eager to expand our team with the addition of an electrical engineer that can support our team's ongoing new product development work and take a leadership role in developing several new sensors scheduled to launch in 2017.

Duties include:

- Lead significant new product development projects – including research, design, prototype, testing, and supporting the market launch of new sensors.
- Collaborate with other R&D team members to support their product development projects.
- Conduct troubleshooting investigations and technical support issues for new and existing products.
- Interface on occasion with customer accounts via e-mail and telephone.
- Attend weekly R&D meetings with ASI management to report your progress, communicate new findings, and contribute your thoughts on topics presented by other team members.

Requirements:

- Electrical engineering background (degree) required; electrochemistry preferred.
- Firmware development with C, C++ language.
- PCB design using Protel/Altium Designer software.
- Experienced in MSP430 and dsPIC33 mixed-signal platform development, and RS-485 communication systems (Modbus).
- PC Panel software design using LabVIEW.
- Chemistry or laboratory instrumentation experience preferred, with a top priority on sensor/electrode design.
- Ability to work independently and manage time effectively.
- Organized and able to manage and develop multiple projects simultaneously.
- Excellent communication skills both written and oral.
- Experienced with PC office application software (Word, Excel, Outlook).
- Professional appearance and experience.

Date Position Available:

Immediate.

Salary:

Dependent on experience.

Other Benefits:

Medical, dental, and life insurance, 401k, profit sharing, company bonus, paid vacation.

Contact Information:

Apply on-line today by emailing your resume to: lmhan@asi-sensors.com.