Profile Electronic Design Engineer

Company profile

LioniX International is a leading global provider of customized microsystem solutions, in particular integrated photonics-based, in scalable production volumes. We provide customized solutions for OEM's and system Integrators, by vertical integration, from design to fully assembled modules. We continuously maintain our technology leadership secured in a strong IP position. Currently LioniX International employs nearly 50 highly educated people, and its management has multiple decades of combined experience in micro/nano system technology.

Further information on our website www.LioniX-International.com

Job description

To make our optical chips come alive we are seeking for an enthusiastic and creative electronic engineer to design, build and test the electronics systems that drive our optical devices. As part of a small team you will create and improve these systems for a wide range of applications such as spectroscopy, metrology, augmented reality, quantum computing, and telecommunication. The tasks and responsibilities include:

- Design electronic circuits for both Photonic IC based- products as well as production support and test systems
- Coordinate with optical designers to obtain the specifications for the electronics that will support their designs
- Coordinate with mechanical designers the combination of electronic and mechanical hardware (e.g. in modules and enclosures)
- Selection of electronic components
- Create PCB layouts
- Functional testing of electronic circuits
- Write the firmware for microcontroller-based circuits
- Planning of lead time
- Documentation of your designs

Professional requirements:
- BSc. (with 5+ years of experience) or MSc. Degree in electrical engineering
- Experience with designing analog as well as digital circuits
- PCB Layout experience
- Comfortable coding in C/C++ in an embedded environment
- Capable of working independently
- Able to work from an incomplete set of specifications
- Secure in self review of electronic designs and layouts
- Autonomous, creative and curious

Tools/ Development environment
- Eagle, Altium designer, LTSpice
- Visual Studio, Labview
- AVR Studio

Languages
- Fluency in English
- Dutch or willing to learn to speak Dutch

Contact
- Edwin Klein (e.j.klein@lionix-int.com) or René Heideman (r.g.Heideman@lionix-int.com)