Profile Electronic Hardware 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.

LioniX International B.V. is a private company and has been established in April 2016, following the acquisition of SATRAX B.V., XiO Photonics B.V. and LioniX B.V., which initiated the technology development of photonic integrated circuits for a suite of applications since 2001. Currently LioniX International employs nearly 50, highly educated people, and its management has experience in the micro/nano system technology for decades.

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

Job description

As Electronic Hardware Engineer you are responsible for the entire electronic development cycle within a project, including (embedded) software.

- Design electronic circuits for both Photonic IC based- products as well as production support and test systems
- Selection of electronic components
- Create PCB layouts
- Functional testing of electronic circuits
- Write the firmware for microcontroller based circuits
- Write PC based (Windows) software to control microcontroller based circuits
- Planning of lead time
- 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)

Professional requirements:

- MSc. Degree in electrical engineering with a focus on electronic design (minimum of 5 years of professional experience)
- PCB Layout experience
- Embedded programming experience (Assembler, C, C++)

- Capable of working independently
- Able to work from an incomplete set of specifications
- Well organized
- Secure in self review of electronic designs and layouts
- Autonomous and curious

Tools/ Development environment
- Eagle, Altium designer, LTSpice
- Delphi, Visual Studio, Labview
- AVR Studio, OpenOCD (Eclipse)

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

Contact
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