Silicon Photonics Designer

About the company

Qplox is a fast-growing company offering test and automation engineering. Headquartered in Leuven, with offices in Barcelona and Eindhoven.
Our clients are major multinational enterprises and local companies from automotive, semiconductors, RF, consumer electronics…. Our Test automation group offers a one stop shop for design of automated test benches, system integration production, lab automation and data acquisition systems, with a growing focus in IoT sensor networks.
Our consultancy department offers services in RF, semiconductors and electronics design and test, as well as on the crossing roads of Nanotechnology, Bio-Science Engineering and Biotechnology.

Job Description

You will work in a team of photonic engineers developing photonic ICs (PICs) for a wide range of next generation applications. You will employ of our client cutting edge silicon photonics technologies to develop novel PICs and sub-systems for communication, (bio-)sensors, quantum photonics, lidar, photo-acoustics and so on.

The assignment

- Design, model and layout photonic components and circuits
- Setup design of experiments and analyze test data
- Communicate your insights to internal cross-functional teams, technology developers and external partners
- Lead R&D projects and interact with external and internal customers
- Translate customer requirements into system concepts and PIC architectures
- Improve existing photonic platforms and contribute to new photonic concepts for emerging applications
- Continuously align with process, characterization, application and system experts.

Location: Leuven

Candidate Description

- A PhD in Photonics, Physics, Electrical Engineering or related field with at least 2 years of experience in silicon photonic design.
- In-depth knowledge of integrated photonics.
- Extensive expertise in design, optimization and layout of Si photonic components and circuits.
- Hands-on experience with photonic modelling software (e.g. Lumerical).
- Hands-on experience with layout tools (e.g. Luceda Ipkiss, Cadence, L-edit). Experience with Ipkiss is a plus.
- Good programming skills. Experience with Python is a strong plus.
- Experience with experimental setups, characterization and packaging of PICs is an advantage.
- Experience with actives integration (lasers, photodetectors, modulators) is a plus.
- The ability to work according to agreed customer timelines and manage time efficiently according to the project schedules.

We offer

An attractive salary package with extra benefits. A high tech, multicultural and young ambient. A fast track in a growing company. Formation in multidisciplinary environment plenty of learning opportunities.

Contact

Send your CV and application letter to jobs@qplox.com with the subject "**Silicon Photonics Designer".**