

## Senior Photonics Engineer - Ghent (Belgium)

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Company: microTECH Global Ltd

Location: Ghent

Category: computer-and-mathematical

We are now looking for a Senior Photonics Engineer for a client based in Ghent.

Job responsibilities:

- Work as part of a team of photonic engineers and product designers dedicated to develop silicon photonics platform
- Lead new projects from R&D stage toward new products introduction (NPI)
- Contribute to the design and modelling of photonic components and circuits
- Coordinate test plans and analyze experimental data in the R&D phase
- Contribute to the definition of new concepts and PIC-based system architectures for novel applications (e.g., 6G photonics, RF/mmWave photonics, 3D/4D image sensing, reservoir computing, IMU sensors etc.)
- Work closely with component/module teams
- Work closely with the processing and test teams
- Depending on your skills and interests, the job can focus more on next-generation product development or developing cutting edge technologies for application further in the future

Requirements & Qualifications:

In depth knowledge of integrated optics and optoelectronics components and systems

Education requirements:

- PHD. in Photonics, Electrical Engineering, Physics, or related field, 2+ years of work

experience in R&D or industry

Experience requirements:

- Design and test of silicon photonics and III-V components
- Working knowledge of how to model PIC-based architectures and systems for optical data processing and sensing applications (including RFICs, CMOS driving circuitry, as well as active components such as laser sources and photodetectors)
- Proven track record of project management skills
- Experience in technical feasibility studies of exploratory R&D projects as well as market/business landscape analysis would be an asset
- Experience in effective interaction with stakeholders to secure funding and resources for new R&D project execution
- Hands on experience with photonics modelling tools (e.g. Photon design, Lumerical, COMSOL, CST)
- Hands on experience with layout tools (e.g. Tanner L-Edit, Luceda Ipkiss).
- Experience with Luceda Ipkiss would be an advantage
- Experience with Python would be an asset

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