

SILICON PHOTONICS INNOVATION PROJECT LEADER

Ghent University – IMEC, Photonics Research Group
Tech Lane Ghent Science Park – Campus A
Technologiepark – Zwijnaarde 15, B-9052 Gent, Belgium

JOB DESCRIPTION:

- Develop, in collaboration with industry, proof-of-concept prototypes of innovative products enabled by silicon photonics.
- This role includes the full project chain from prospection of industrial needs, project definition, silicon photonics chip design, testing.

PROFILE:

- Broad knowledge of photonics and photonic integration as well as its application in a variety of applications.
- Specialist expertise in the design of silicon photonics chips.
- Strong communication skills.
- Strong English language skills.
- Expertise with project management.
- Good basic understanding of IP matters.
- Expertise in business development is a plus.

APPLICATION:

<https://www.imec-int.com/nl/work-at-imec/job-opportunities>

MORE INFORMATION:

Prof. Roel Baets (roel.baets@ugent.be)

ABOUT THE PHOTONICS RESEARCH GROUP

The Photonics Research Group (about 85 people) is associated with IMEC, and is part of the Department of Information Technology of Ghent University. The group is headed by Prof. R. Baets and has been active in photonics device research for many years. The other professors in the group are P. Bienstman, W. Bogaerts, B. Kuyken, N. Le Thomas, G. Morthier, G. Roelkens and D. Van Thourhout. The main research directions are silicon nanophotonics, heterogeneous integration, optical communication, photonic (bio)sensors and photonic integrated circuits for biomedical applications in the near-infrared and mid-infrared wavelength range. More in particular, the silicon nanophotonics work focuses on the design and fabrication of SOI-based photonic devices using standard lithographic techniques compatible with CMOS-processing.

The Photonics Research Group has been coordinating the network of excellence ePIXnet and is involved in a number of EU-projects, including the FP7 projects ActPhast, PLAT4M, Cando, and Pocket and the H2020 projects TOPHIT, TeraBoard, PIX4Life, MIRPHAB and Phresco. Furthermore, the group is partner of the Center for Nano- and Biophotonics of Ghent University and the group has been awarded three ERC Independent Researcher Starting Grants, one ERC Consolidator Grant and one ERC Advanced Investigator Grant.