

Cleanroom engineer

Ghent University – imec, Photonics Research Group
Tech Lane Ghent Science Park – Campus A
Technologiepark-Zwijnaarde 126, B-9052 Gent, Belgium

Job context:

Silicon photonics is a field that is maturing and attracting strong interest from industry and academia to realize miniaturized photonic systems for applications in datacommunication, telecommunication and sensing, as well as in other emerging fields. The Photonics Research Group, an associated lab of imec at Ghent University, is playing a leading role in this field. While silicon photonic wafers are fabricated in the imec cleanrooms, a lot of post-processing still needs to happen on these wafers to make fully integrated chip-scale solutions. The Ghent University cleanroom is well equipped to realise this. Given the growing number of projects in this area, we are looking for a cleanroom engineer, to complement our cleanroom team.

Job description:

The job has both a technical and administrative nature. On the technical side, your key responsibility will be to develop processes for heterogeneous integration of III-V semiconductors on silicon photonic integrated circuits, together with the academic staff of the Photonics Research Group. Next to that you will also help out in the day to day management of the cleanroom (safety, ordering chemicals, improve operations,...)

Profile

We value relevant industrial or academic experience in cleanroom processing. We are looking forward to a motivated person, willing to reach our objectives of maintaining leadership in heterogeneous integration technology for silicon photonics. We are looking for a team player who could easily develop strong interaction with the cleanroom team.

You possess strong verbal and written English communication skills allowing you to effectively communicate with the academic staff and industrial users of the cleanroom. Knowledge of Dutch is a plus.

Our offer

In exchange for your talent, passion and expertise, you will get an interesting position in a multicultural and high-tech institute, with challenges for the taking. This is your opportunity to contribute to the technology that will determine the society of tomorrow.

We offer a position of 3 year in the Photonics Research Group, imec's associated lab at Ghent University. It is our ambition to extend beyond the 3 years towards a contract of indefinite duration.

Application

Please submit your expression of interest with resume and motivation letter by no later Feb 1 2023 by applying online through the following link: <http://photonics.intec.ugent.be/contact/vacancies/Application.htm>

For more information, please contact gunther.roelkens@ugent.be