

LIGENTEC is a young and dynamic company located in Lausanne, Switzerland, near EPFL, close to the shore of Lake Geneva. We are manufacturing **Photonic Integrated Circuits (PICs)** for customers in high-tech areas such as Quantum Technologies, LiDAR, Space Technologies and Biosensors. LIGENTEC All-Nitride technology enables our customers to develop their products in the industrial revolution 4.0.

To support our continued growth, we are looking for a:

## Layout Engineer

### *Integrated Photonics*

#### Your responsibilities:

- Participate in advanced photonic integrated circuit development projects for external customers and internal R&D projects.
- Layout of integrated photonic components, test structures and complex circuits.
- Support the customer design submission process.
- Develop and optimize DRC scripts and perform DRCs.
- Perform floor planning and interface with mask tooling.
- Interface with the fabrication, process engineering and test teams.
- Support application engineering and sales with technical assessments.
- Documentation and reporting.

#### Your profile:

- MSc or PhD in photonics or related fields.
- Hands-on experience in integrated optics layout and simulation.
- Layout experience with IPKISS - Luceda is a must.
- Advanced experience in layout and scripting software is a must.
- Experience with L-edit, Calibre, Synopsis - OptoDesigner and OptoCompiler is a plus
- Experience with Linux, Python and/or Ruby is a plus
- Open minded, communicative, critical thinker.
- Result and solution oriented.
- Ability to work in a team and independently.
- Working proficiency in English.

#### We offer:

- A flexible and dynamic start-up work environment.
- A highly international, diverse and highly motivated team.
- Personal responsibility in your job and the chance to grow with us.
- Our passion to bring PICs to every day's life.

**Activity rate:** 100%

**Place of work:** Lausanne (CH) or Corbeil-Essonnes / Paris (F)

**Start date:** as soon as possible

#### How to apply:

We look forward to receiving your full application using reference 2208-LE, including 1) your CV, 2) a statement of interest (relating the position to your skills) and 3) grade or work certificates to [hr@ligentec.com](mailto:hr@ligentec.com). Non complete applications may not be considered.

