

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:

Design Engineer

Integrated Photonics

Your responsibilities:

- Lead and co-ordinate advanced photonic integrated circuit development projects
- Design, simulation and tape-out of integrated photonic components and circuits for customer and internal projects.
- PDK building block development, incl. design, simulation, test planning and data analysis.
- Support application engineering and sales with technical assessments and simulations.
- Interface with the fabrication, process engineering and test teams.
- Documentation and reporting.
- Contribute to patent applications and proposal writing.

Your profile:

- MSc or PhD in photonics or related fields.
- Minimum of 3+ years hands-on experience in integrated optics design and simulation.
- Solid understanding and practical experience with different material platforms (SiPh, InP, SiN, SiO₂) is a strong plus.
- Practical experience with heterogeneous integration and optical I/O is a plus.
- Advanced experience in Lumerical or similar simulation software.
- Experience in compact modeling is a plus.
- Free space optics experience is a plus.
- Open minded, communicative, critical thinker.
- Solution and goal 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 2206-DE, 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. Non complete applications may not be considered.

