



LIGENTEC is a young and dynamic company headquartered in Switzerland, with an office in the Ile-de-France area. 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:

Senior Photonic Design Engineer

Integrated Photonics

Your mission will be to bring LIGENTEC's silicon nitride integrated photonics platform to the next level. To achieve this mission, you:

- Lead and co-ordinate advanced photonic integrated circuit development projects
- Design, simulation and tape-out of integrated photonic components and circuits for Process Control Monitoring, customers, and internal projects.
- Identify and develop new building blocks for PCM, including design, simulation, test planning and data analysis.
- Interact with the characterization team, collect capabilities, design test structures, and support in test planning and data analysis (design for testability).
- Interact with the process team and yield engineering, collect capabilities and requirements, design test structures, support in test planning and data analysis (design for manufacturability).
- Documentation and reporting.
- Contribute to patent applications and proposal writing.

Your profile

- M.Sc. with 6+ years or PhD with 3+ years experience in the design of integrated photonics components and systems, in a top environment, preferably industrial.
- Strong understanding and practical experience with various photonic material platforms and heterogeneous integration techniques.
- Proficiency in photonic design and simulation tools, such as Lumerical or equivalent, and layout tools like Luceda-lpkiss or equivalent.
- Experience with optimization of photonics components towards manufacturability.
- Experience with scripting languages, such as Python, is a definite plus
- Solution-oriented mindset with excellent technical problem-solving skills
- Strong communication and conflict-resolution abilities to effectively collaborate with diverse teams.
- Ability to work independently and with remote teams.
- Working proficiency in English.

Benefits:

- A young, dynamic, flexible and rapidly growing scale-up company.
- Excellent work environment and diversity
- Our passion to bring PICs to everyday life!
- Personal responsibility in your job and the chance to grow with us.

Activity rate: 100%

Place of work: Corbeil-Essonnes

Start date: as soon as possible

How to apply: We look forward to receiving your full application using reference 2326-DE, including 1) your CV, 2) a statement of interest (relating the position to your skills) and 3) grade and work certificates to hr@ligentec.com.

Non complete applications may not be considered