

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:

Characterization Engineer

Integrated Photonics

Your responsibilities:

- Define test strategies & implement PCM structures for optical & electrical wafer level testing.
- Definition and execute optical characterization of Photonic Integrated Circuits.
- Define Design of Experiments for testing.
- Set-up of automated chip and wafer level testing including recipes, data analysis, data management.
- Process documentation and employee training.
- Develop and maintain a network of characterisation and testing partners.
- Support sales, quality and production.

Your profile:

- Higher Degree in physics, electrical engineering or related field.
- Min of 5 years hand-on experience in integrated photonics, namely in characterization of Photonic Integrated Circuits (PICs).
- Hand-on experience in test automation is a strong plus.
- Experience with Six Sigma, SPC and general quality tools is a strong plus.
- Understanding of photonic design and nanoengineering / semiconductor processes is a plus.
- Knowledge of Python is a plus.
- Open minded, communicative, critical thinker.
- Solution and goal oriented.
- Ability to work in a team and independently.
- Work/residence permit for Switzerland or Swiss/EU citizenship.
- 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: Ecublens, EPFL Innovation Park

Start date: as soon as possible

How to apply:

We look forward to receiving your full application using reference 2207-TE, 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.

