

JOB VACANCY



ABOUT VLC PHOTONICS

VLC Photonics was born in 2011 as a technological spin-off company from the Technical University of Valencia, and since October 2020 belongs to the Hitachi High-Tech Corporation group.

The company now focuses its solutions on the photonic integration technology. It is a world pioneer in the design house business model, providing all kind of services related to this technology: engineering consultancy, photonic design, photonic testing, and brokerage for manufacturing and packaging subcontracting. Check our website for more info.

SENIOR PHOTONIC INTEGRATED CIRCUIT DESIGNER

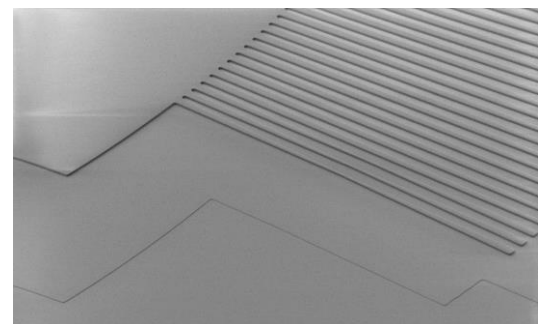
VLC Photonics is a young and very dynamic company, now searching for a new member to be added to its growing team.

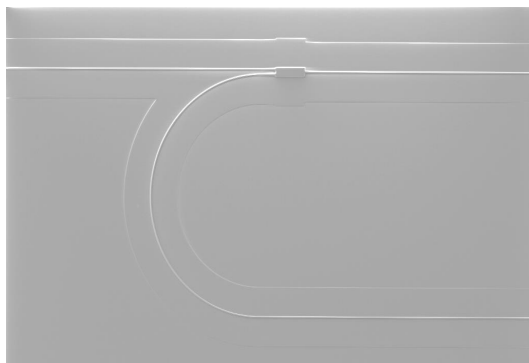
REQUIRED BACKGROUND/EDUCATION

Engineering degree on Physics, Telecommunications, Microelectronics/RF, Optics/Photonics, or similar.

REQUIRED SKILLS

- Advanced knowledge of optics and photonics technology. Master or Ph.D. in Optics/Photonics, or in Semiconductors.
- Advanced Photonic Integrated Circuit (PIC) design skills (Synopsys, Photon Design, IPKISS/Luceda, Lumerical, VPI, Klayout, etc.)
- Minimum of 3+ years hands-on experience in integrated optics design and simulation.
- Programming knowledge (Python, C++ ...)
- High level of English (fluent B2 minimum). English interview.
- Very pro-active, solution oriented and versatile character.
- Organized, capable of dealing with tight deadlines.
- Good analytic and communication skills.





GROSS ANNUAL SALARY

Depending on candidate's adequacy.

OTHER BENEFITS

- Access to UPV campus facilities (sports complex, library, parking, medical center, etc.)
- Close access to public transport (tram, train, rental bikes)
- Very flexible worktime schedule.

LOCATION

VLC Photonics offices, Valencia, Spain ([map](#))

STARTING DATE

As soon as possible.

VALUABLE SKILLS

- Practical experience on an optical laboratory, measurement equipment and tools, PIC characterization, and test skills.
- PIC fabrication/packaging knowledge.
- Matlab/Octave know-how.
- Experience in customer and project management.
- Availability for international travelling.
- Experience in photonic integration technology and its ecosystem.
- Any other extra language (e.g., French, German, Dutch, Chinese, Russian, Japanese). Spanish not strictly needed but recommended.
- *Microsoft Office* suites, medium-advanced knowledge.
- Good international networking skills and available professional network. Having lived abroad is considered valuable.
- Ambition for growth and expansion.

POSITION RELATED TASKS

- Lead and coach a PIC engineering team.
- Modelling, simulation, design and layout of photonic components (both active and passive) and circuits in Silicon photonics, indium phosphide, Silicon nitride, Silica, etc.
- Foundry and software provider interfacing.
- Supervision of technical tasks performed by technicians, interns and/or other less skilled technical personnel.
- Collaboration in the preparation of customer and R&D proposals, and project tasks.
- Customer interfacing: teleconferences and meetings, project management.
- Support recruiting new employees.
- Maintain and identify needs with regards to infrastructure.
- Plan and monitor resources and activities within the PIC Design team.
- Contribute to the continuous improvement of processes relevant to the team, e.g. engineering and documentation best practices and use of tools.

VLC Photonics offers a stimulating and varied work environment in a young but growing high-tech business start-up, located at an attractive international city in the Mediterranean coast (300 sunny days a year!). Cost per living in Valencia is very affordable compared to other Spanish or European large cities ([check](#)). Additionally, VLC Photonics offers continuous education and training in all technical activities, and provides free or low-cost access to certified courses in many areas through the Permanent Training Center (CFP) of the UPV.

Interested candidates please forward the CV and presentation letter at careers@vlcphotonics.com for evaluation, indicating in the subject "Senior Photonic Integrated Circuit Designer position".