SENIOR PHOTONICS ENGINEER

Alcyon Photonics team is growing. We are looking for a **Photonics Engineer.** The candidate will work on developing pilot projects in the field of integrated photonic circuits in collaboration with commercial partners.

Job Description

- Photonics:
    - Contribute to the PICs and BB portfolio roadmap
    - Design, modelling and simulating photonic components to grow the Alcyon Photonics portfolio
- Customer: Learn from customer's needs to propose solutions based on the company's portfolio and know-how
- Project: Collaborate in the planning of R&D proposals and customer pilots
- Team: Collaborate or lead technical team, depending on seniority and project
- Interfacing: Foundry | Software | Academia | Customer

Requirements

- 5+ years of professional experience:
    - Design and simulation of photonic structures with commercial tools (Lumerical FDTD, Synopsis Fullwave, etc) for SoI or InP platforms.
    - design of photonic circuits applied to sensors or optical communications within the framework of an industrial project or a European project with an end user.
- Hands-on experience in mask layouts for commercial foundries (including both passives and actives components, e.g., lasers, photo-detectors, optical amplifiers…)
- Hands-on experience in testing and characterization (optical and electrical DC and RF) of PICs and blocks
- Intermediate in programming (python): Data structures, Object-oriented programming, Integrated development environments (IDEs), data visualization, Git version control.
- Professional English proficient
- Skilled project management tools experience
- Team ethos, problem solver and effective communicator

Work Environment

- Product-oriented work model
- Remote / hybrid (downtown Madrid based)
- Full-time
- Permanent contract
- Professional development opportunities
    - International R&D Projects involvement
    - Scientific curriculum builders: publications, PhD students mentoring, …
- Impact project that connects research and industry in a high growing sector

Diverse Workforce

We are an equal opportunity employer that recognizes the value of a diverse workforce. All qualified individuals will receive consideration for employment without regard to race, color, age, sex, sexual orientation, gender identity, religion, national origin, disability, genetic information, or any other criteria...

Application

Send a resume and a cover letter describing your skills and relevant projects you have participated in, as well as your role. internal@alcyonphotonics.com

About Alcyon

Alcyon Photonics aims to to accelerate the transition from electronics to photonics by translating unique scientific knowledge einto commercial technology. Alcyon brings down the barriers that hampers massive photonics adoptiob, from its unique design of photonics circuits to its platform strategy.

Alcyon Photonics' library of photonics designs brings comprehensive support to the design of photonics application requiring increased capacity for data transmission and minimal information loss in the fields of communication, sensoring or data comm, among others. Alcyon Photonics partners with customers to provide wide bandwidth and polarization management to photonics solutions such as transceivers, FBG or OTDR.

Alcyon Photonics project has been granted the the EIC Accelerator by the European Commission to develop and scaleup its game-changing innovations.

www.alcyonphotonics.com
https://www.linkedin.com/company/alcyonphotonics/
https://eic.ec.europa.eu/news/most-competitive-eic-accelerator-cut-awards-major-funding-round-74-europes-high-potential-start-ups-2022-06-07_en