

## **JOB OPPORTUNITY - PHOTONICS CHARACTERIZATION ENGINEER - ARQUIMEA RESEARCH CENTER.**

### **Photonics Characterization Engineer.**

#### **Tasks to be performed:**

- Design and assembly of opto-mechanical setups for sample characterization.
- Test and characterization activities of photonic systems (both integrated and table-top).
- Design and implementation of automated sample testing procedures.
- Critical analysis of data by using quantitative metrics and measurement procedures. Validation of concepts and prototypes.
- Work in different research areas and applications with optoelectronic instrumentation and sensors.
- Support in the design of test-oriented Photonic Integrated Circuits

#### **Required skills, experience and candidate profile:**

- M.Sc or Ph.D in /Physics/engineering or related field with background in Photonics
- Hands-on experience (>1 year) in test and characterization activities in lab environments involving active and/or passive photonic integrated circuits as well as fibre-coupled and free-space optical components.
- Experience working with photonic integrated circuits. Familiar with different technology platforms (SOI, SiN, PLC, InP and/or hybrid)

#### **Valuable:**

- PhD in Optics or Photonics
- Familiar with Photonic Integrated Circuits fabrication processes.
- Experience with Electronics for high resolution acquisition and real-time signal processing technologies.
- Experience in Neuromorphic Photonics and the application of Photonics to Artificial Intelligence and Neural Networks.

- Knowledge of Python and/or MatLab/Octave
- Knowledge of LabView
- Experience with RF and microwave Electronics and components.
- Experience with FPGAs and VHDL programming.
- The candidate must be eligible to work in the EU.
- Proficient in English.

If you are interested, please apply by following the link <https://arquimea.bamboohr.com/careers/227>

**IMPORTANT. Please, only apply if you have a valid working visa for Spain, and you are willing to move to Canary Islands (SPAIN).**