



Photronics Group
Integrated Photonics Laboratory
University of Pavia
Pavia, Italy
photronics.unipv.it

Open postdoc position

Seniority Level

Entry level, postdoc

Industry

- Higher Education
- Research

Employment Type

Full-time

Job Functions

- Research
- Writing/Editing scientific text
- Participations to conferences and scientific meetings

Salary

- To be determined - Min. 21000 Gross/YR (Taxation level is 11.7%)

Starting date

- Feb-March 2021

The integrated photonic laboratory is currently looking to hire a new postdoc researcher that is set to work on an ambitious project in collaboration with Huawei Labs – Milan. The post is initially funded for 1 year with possibility of renewal depending on the project and other funding bids outcomes.

Description of the work: the person that will be selected to cover this position will work on an ambitious project in the field of silicon photonics. He/She will design and characterize silicon photonic passive and active silicon photonic components and circuits aiming at producing electro-optical or all-optical CDMA -enabled systems for telecommunication applications. He/She will also be involved on other projects focused on integrated optics and quantum systems currently funded at the integrated photonics lab.

Key requirements

- PhD in Maths, Physics or Engineering subjects
- Hands-on experience and knowledge in at least one of the following: silicon photonics circuits (design and/or characterization), high speed telecommunication schemes, quantum photonics, nonlinear optics
- Strong communication skills
- Experience working within a multidisciplinary team
- Previous experience with modelling software such as lumerical/PhotonD is a plus

For further information or to send your application (send a CV first) please write to cosimo.lacava@unipv.it