

August 2019

EPFL – IMT – PVLab , Particle sensor group

Open position for Post-Doc

We are offering two post-doctoral researcher positions in The **Photovoltaics and Thin-Film Electronics Laboratory (PVLAB)** of Ecole Polytechnique Fédérale de Lausanne (EPFL), in Neuchâtel, Switzerland.

The EPFL PVLAB is a world leading solar cell laboratory, pursuing cutting-edge research in photovoltaic technology. It is also very active in the development of radiation hard particle detectors based on amorphous silicon for high energy physics experiments as well as medical imaging.

The activities of the **particle sensor group** focus primarily on: (1) the development of micro-channel plate detectors based on amorphous silicon and, (2) the development of thin-as well as 3D radiation resistant detectors for high energy physics as well as hadron therapy. These activities are carried out within national and international collaboration with experts in fundamental aspects as well as in detector or system developments. The lab, with the support of CMI infrastructure at EPFL is well equipped for the detector manufacturing, advanced microscopy and basic device characterization.

The successful candidate will conduct cutting-edge research in the topics mentioned. He/she will pursue research in close collaboration within the team at EPFL PVLAB and partners at EPFL, ETH, CERN and INF and should advance the lab expertise by bringing his/her own innovative ideas, experience and motivation.

We expect

- An excellent PhD degree, preferably in Physics, Material Sciences, Electrical Engineering or Microsystems Engineering, or comparable R&D experience,
- A strong background in microfabrication and in electronics
- High motivation, independency, ability to supervise the work of others, team spirit
- Experience in projects related to high energy physics or medical imaging would be a plus,
- Full proficiency in English (including writing).

We offer

- Excellent working conditions
- State-of-the-art processing facilities and an environment that promotes access to top scientists and research.
- Innovative and dynamic atmosphere
- World-wide recognized PhD education

The position is open and starting date should be as soon as possible. Candidates should contact nicolas.wyrsch@epfl.ch for further information and or <http://pvlab.epfl.ch/>.