Empa
Materials Science and Technology

Empa - the place where innovation starts

Empa is the research institute for materials science and technology of the ETH Domain and conducts cutting-edge research for the benefit of industry and the well-being of society.

The Laboratory *Transport at Nanoscale Interfaces* pioneers and implements novel fabrication methods for functional nanostructured interfaces. We develop fundamental understanding in the opto-electronic, thermal and ionic transport properties of low-dimensional materials & devices and transfer our knowledge to applications for biochemical sensing and bioelectronics.

In the context of a collaborative Swiss National Science Foundation project between our laboratory and the *Nanostructures, nanoComponents & Molecules* research group lead by Dr. Dominique Vuillaume at the Institute of Electronics, Microelectronics and Nanotechnology, CNRS & University of Lille, France, we have an opening for a

PhD student

on

Van der Waals heterostructures for vertical organic transistors

We are looking for a highly motivated PhD student with a master degree in condensed matter physics, materials science, nanoscience or a related discipline and a strong interest for 2D materials, nano-fabrication and interdisciplinary research. Excellent communication skills and fluency in English (both written and oral) are expected.

The research will take place at the Laboratory for Transport at Nanoscale Interfaces in Dübendorf, next to Zurich (www.empa.ch/web/empa/transport-at-nanoscale-interfaces). The successful candidate will have access to state-of-the-art cleanroom facilities at the Center for Micro- and Nanofabrication (ETH Zürich, www.first.ethz.ch) and at the Binnig and Rohrer Nanotechnology Center located at IBM Zürich laboratories (www.brnc.ethz.ch). Empa offers a highly stimulating research environment with state-of-the-art facilities and a broad interdisciplinary surrounding. The work will be carried out under the supervision of Prof. Dr. Michel Calame. The position is funded for up to 4 years, the foreseen starting date is February 1, 2019.

We look forward to receiving your online application including a letter of motivation, CV, diplomas with transcripts and contact details of two referees. Please upload the requested documents through our webpage. Applications via email will not be considered.

For further information about the position, you can contact Prof. Dr. Michel Calame, michel.calame@empa.ch, +41 58 765 4260 and visit our website www.empa.ch/web/empa/transport-at-nanoscale-interfaces and Empa-Video.

Empa, David Heusser, Human Resources, Ueberlandstrasse 129, 8600 Dübendorf, Switzerland.