

Philipps



Universität
Marburg



SFB 1083

Structure and Dynamics
of Internal Interfaces

At the Department of Physics of Philipps-Universität Marburg we offer - starting from April 1, 2015 - limited for two years - one third party funded position as

Postdoctoral Researcher

The salary will be according to the German Public Service salary scale E 13 TV-H. The position will offer the possibility of further scientific qualification in the frame of the assigned duties.

The position is associated with the Collaborative Research Centre SFB 1083 "Structure and Dynamics of Internal Interfaces" of the German DFG that has been established at Philipps-Universität Marburg in collaboration with the Donostia International Physics Center (DIPC), San Sebastián, Spain. The SFB consists of more than 60 chemists and physicists that collaborate in investigations of solid/solid interfaces of a variety of organic and inorganic materials. The aim is to achieve a detailed microscopic understanding of the chemical bonding, the electronic coupling, and the dynamics of energy transfer for model systems of different classes of hetero-interfaces.

The tasks of the advertised position include time-resolved investigations of energy- and charge-transfer processes at semiconductor interfaces and at novel van-der-Waals-coupled 2D materials by means of nonlinear optical spectroscopy and coherent phonon spectroscopy. Work will initially be conducted within the research group of Prof. Dr. Ulrich Höfer. The prospective candidate is expected to take full responsibility of the project as principle investigator in the next funding period of the Centre.

Candidates should hold a PhD in the natural sciences and should have applied advanced laser spectroscopic methods in their previous research. Experience with optical second-harmonic generation at surfaces and interfaces or spectroscopy of two-dimensional semiconductors would be advantageous. Some of the experiments will be performed at the University of Pittsburgh, USA, and at the Columbia University in New York, USA. The candidate is expected to actively collaborate with these institutions, as well as with other projects of the Collaborative Research Centre (SFB).

For more information, please contact the spokesman of SFB 1083, Prof. Dr. Ulrich Höfer (hoefer@physik.uni-marburg.de), or visit the Website www.internal-interfaces.de.

We support women and particularly invite them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - the Philipps-University is certified as a family friendly university. Sharing a full-time position (§ 8 Abs. 2 Satz 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications.

As the documents will not be returned after end of the selection procedure, please do not send originals. Application and interview costs cannot be refunded.

Please send your application with the reference fb13-0015-wmz-2014 electronically to sfb1083@uni-marburg.de or by mail to Department of Physics, Sonderforschungsbereich 1083, attn. Dr. Helen Pfuhl, Renthof 5, D-35032 Marburg, by January 16, 2015.