School of Science

At the Faculty of Physics, Institute of Applied Physics (IAP), the Chair of Organic Semiconductors (Prof. Dr. Sebastian Reineke) is offering two positions as

Research Associate

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

Both positions are supposed to start at the earliest possible date. They are limited to three years resp. until max. 31.03.2021 and entail 50% of the fulltime weekly hours for the first year and 62.5% of the fulltime weekly hours for the second and third year. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The positions offer the chance to obtain further academic qualification (e.g. PhD).

The research activities of the Chair of Organic Semiconductors focus on the basic physical characteristics of organic semiconductors and their device applications, where one particular interest is on organic light emitting diodes. In addition, constant fundamental research on luminescence properties of organic materials form the basis for future, innovative system and device applications. Research work on organic semiconductors at TU Dresden is bundled within the "Dresden Integrated Center for Applied Physics and Photonic Materials" (IAPP), which is one of the world’s leading research institutions in the field of organic electronic devices.

Tasks: The successful candidate will work within the framework of the ERC starting grant “BILUM”. She/he will be expected to conduct research in the field of organic biluminescence. In particular, this work will focus on the photo-physical characterization of new molecules and application relevant optimizations. The candidate is supposed to do planning of experiments; preparation of samples using various processing techniques; detailed photo-physical characterization of thin film samples incl. time resolved spectroscopy; simulation of transport phenomena (excitons, oxygen, etc.) in organic solids. Additionally, she/he will be responsible for supervising bachelor and master students.

Requirements: university degree (Master’s or equivalent) in physics, electrical engineering, material sciences, or related fields; good practical skills and interest in applied research, organic electronics, and molecular physics; high self-motivation; excellent command of English language; excellent computer skills as well as communication skills for team work. Applicants with a good knowledge in organic semiconductors, luminescence spectroscopy or other thin-film technologies are preferred.

Further information about the working group or the advertised position can be obtained via the web address https://tu-dresden.de/mn/physik/iap/oh/ or from Prof. Dr. Sebastian Reineke (E-Mail: sebastian.reineke@tu-dresden.de).

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your complete application documents (cover letter, curriculum vitae, copies of relevant certifications, list of publications, reference list, etc.) until 17.01.2018 preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it to sebastian.reineke@tu-dresden.de or to TU Dresden, Bereich Mathematik und Naturwissenschaften, Fakultät Physik, Institut für Angewandte Physik, Professur für Organische Halbleiter, Herrn Prof. Dr. S. Reineke, 01062 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.