

Job posting Reg.-Nr.: 114/2017

Beginning on **01.10.2017** the
**Institute of Solid State Physics, Chair in Applied Physics / Solid State Physics of the
Faculty of Physics and Astronomy at the Friedrich-Schiller-University Jena**
has a vacant position of a

scientific assistant (work load 20 hours/week)

to fill.

Job specification:

- master degree in physics or materials science (MSc.)
- experience in layer preparation (PVD) and –analysis in ultra-high vacuum
- experience in molecular thin films and molecular adsorbates
- experience in structural characterization with STM/AFM and electron diffraction (LEED)
- experience in optical spectroscopy (UV-vis)
- good knowledge of spoken and written English
- pedagogical aptitude

Focus tasks:

- growth and characterization of epitaxial molecular layers of h-bonded donor molecules on inorganic single crystals and/or C₆₀ monolayers
- growth and characterization of molecular donor-acceptor mixed layers
- conduct of teaching units (seminars, lab exercises, etc.)
- participation in application management and third party project support within the BMBF joint research project "Bio inspired molecular self-assembly of donor-acceptor networks in organic solar cells" (InspirA)
- further, the applicant is expected to pursue a scientific qualification project, e.g. a promotion

The position is initially limited to 27 months (subject to the granted funding by the BMBF). An extension is possible. The job offer is for a 50% position (doctoral student). The salary is based on the wage agreement of for the public service of the states (TV-L) according to the personal requirements up to pay group E13.

People with disabilities are given priority in the case of equal qualifications, abilities and professional qualifications.

Applications with complete application documents, preferably electronically combined in one pdf document, are to be sent no later than **28.07.2017** to:

Prof. Dr. Torsten Fritz
Friedrich-Schiller-Universität Jena
Lehrstuhl für Angewandte Physik / Festkörperphysik
Physikalisch-Astronomische Fakultät
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If the return of postal application documents is desired, a sufficiently stamped return envelope must be attached.