



The Leibniz Institute for Solid State and Materials Research Dresden (IFW Dresden) is a non-university research institute and a member of the Leibniz Association. The IFW employs approximately 600 people and one focus is on the training of young scientists besides enhancing fundamental and applied research development. At the highest international level, the IFW operates modern materials science on a scientific basis and makes the obtained results useful for the economy. The complex and interdisciplinary research work is carried out within the IFW by five scientific institutes, which are supported by a highly developed technical infrastructure. The IFW supports its employees in reconciling work and family life and regularly submits to the berufundfamilie® audit. Further information at: <http://www.ifw-dresden.de>.

In cooperation with Helmholtz-Zentrum Berlin für Materialien und Energie (HZB) the institute for Solid State Research in the frameworks of the Joint research group for Photoemission of Functional Quantum Materials at the IFW Dresden offers a

Post-Doc Position (m/f/d)

in full-time limited to 24 months working at Bessy II synchrotron radiation source in Berlin.

As a successful candidate (m/f/d) you should have:

- Master's degree or Diploma and an excellent doctor's degree in Solid State Physic (or Solid state Chemistry).
- Research experience in the field of electronic properties of correlated electron systems or 2D (1D) electron systems as well as in the field of solid state spectroscopy.
- Research experience in MBE / ALD ultra-high vacuum methods for 2D systems, preparation and ultra-high vacuum methods for surface science investigations using electron spectroscopy such as XPS, ARPES, RHEED / LEED and AES.
- Strong personal motivation and very good English skills.

Working field:

The position comprises scientific studies in the research area of the electronic properties of quantum materials, e.g.

- Operation and maintenance of Se based MBE machine at Joint laboratory Bessy II Berlin. Preparation and initial characterization of ultrathin films of novel materials with XPS, ARPES and LEED/RHEED.
- High resolution PES, XAS characterization of novel materials using synchrotron light source.

The duration of the contract is two years. The salary is according to the German tariff TV-L (EG 13, 100%, part-time is also possible).

The IFW would like to increase the proportion of women in science. Qualified women are therefore explicitly invited to apply. Severely disabled applicants (m/f/d) are given preferential treatment if they have the same qualifications.

If you are interested in the position, please send your application including a CV and the list of publications, a motivation letter describing the research career goals, skills and experience, copies of certificates citing the **reference number 1107-4/20** as a single **pdf** file (other formats will not be accepted) to the following email-address:

bewerbung@ifw-dresden.de.

Position stays open until fulfilled.

For more information please contact : Dr. Alexander Fedorov (a.fedorov@ifw-dresden.de).