

The Leibniz Institute for Solid State and Materials Research Dresden e. V. – in short 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>

Doctoral Researcher Position (m/f/d) in the area of superconducting thin films

The research group “Functional Oxides and Superconductors” of the Institute of Metallic Materials at the Leibniz Institute for Solid State and Materials Research Dresden (IFW Dresden) offers a PhD position in the field of epitaxial thin films using pulsed laser deposition starting from September 2019.

Project description:

The main emphasis of the work is to characterize the correlation between structural and functional properties of high temperature superconducting thin films grown on industrially fabricated textured templates. The PhD project is part of a DFG funded project in collaboration with a research group at the TU Wien (Vienna, Austria).

Your profile:

Potential candidates should hold a Masters or Diploma degree in Materials Science or Physics and must show strong knowledge in solid state physics and experimental research. Preferably, the applicant has also experience in one or more of the following topic: thin film deposition techniques, epitaxial growth, superconducting materials, and structural characterisation with X-ray and electron beam techniques. We are looking for a candidate with pronounced initiative, creativity, ability to work effectively in a team, as well as fluency of written and spoken English.

We offer:

The employment contract is primarily limited to 12 months and will be extended by another 2 years upon a successful mid-term evaluation. The salary is based upon the TV-L rules (62,5%; E13). PhD candidates are facilitated to participate in the PhD program to successfully complete their dissertation. We offer an attractive work place with excellent facilities and environment in Dresden. Further information at: <https://www.ifw-dresden.de/ifw-institutes/imw/education/phd-graduate-school/>

The institute promotes the professional equality between all genders. In science, the IFW Dresden would like to increase the proportion of woman. Qualified women are therefore explicitly invited to apply. Equally qualified handicapped applicants will be given preference.

Your application:

Please send your application (in English or German) including a cover letter with motivational statement, CV, copies of certificates and other relevant material (if applicable) quoting the reference number **DM2105-1-DFG/19** in a single PDF file (other formats will not be accepted) exclusively to:

bewerbung@ifw-dresden.de

Deadline for applications: **10 July 2019**