Leibniz Institute for Solid State and Materials Research Dresden

Leibniz Association

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.

The Institute for Complex Materials offers within the working group Acoustic Microsystems within the SAWLab Saxony of the IFW Dresden a

Scientist / Post-doctoral Position (m/f/d)

starting at 01.01.2021 in full-time limited to 24 months.

As a successful candidate (m/f/d) you should have a Master's degree or Diploma in applied / experimental physics or simulation and systems design. In addition, you should hold a PhD with excellent scores in a similar discipline. You have comprehensive knowledge in the fields of acoustic wave excitation, propagation and wave-structure interaction, as well as basic understanding of thin-film and microtechnology. You have experience in the simulation of complex physical phenomena using the finite element method considering e.g. multilayer and anisotropic solid media, as well as phase changes. In addition, experience in computational fluid dynamics are advantageous. Very good written and spoken English and a distinctive ability and enthusiasm to work in an international, interdisciplinary team including partners from other research institutes complete your profile.

Research project:

The offered position is part of an EU joint research project. Tasks foreseen for the offered position at IFW comprise:

- Fundamental investigations of acoustic wave phenomena,
- Simulation of acoustic high-frequency chip devices and assistance in their design and layout,
- Close collaboration with researchers realizing, analysing and applying the designed chip devices,
- Basic scientific activities (literature surveys, publication, assistance in the preparation of project reports and in securing IP, networking).

The duration of the contract is 24 months. The salary is according to the German tariff TV-L (EG 13, planned as full-time work; however, part-time work is possible). The employment is starting 01.01.2021.

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 009-21-3010** as a single pdf file (other formats will not be accepted) to the following email-address:

bewerbung@ifw-dresden.de.

The position is open as long as the announcement is online.

Please contact Dr. Andreas Winkler (a.winkler@ifw-dresden.de) for more information.