



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

PhD-Position (m/f/d) Working focus “Acoustically-induced melting”

starting at 01.11.2020 in part-time with a working time of 24 hours per week limited to 12 months, with a possible extension by further 24 months.

Your Profile:

As a successful candidate (m/f/d) you should have a Master's degree or Diploma in material sciences, microsystems engineering, electrical engineering or experimental physics. You already have research experience in the fields of thin films technology, microtechnology and electrical engineering. High motivation and very good English skills as well as the ability to work in an international, interdisciplinary team complete your profile. Good German and Spanish skills are beneficial.

Research project:

The offered position is part of an EU joint research project under lead by a Spanish research facility.

Tasks foreseen for the offered position at IFW comprise:

- Realization, analysis and test of acoustic high frequency chips and periphery, especially chip manufacturing (e.g. thin film deposition with PVD methods, lithographic structuring, 2D/3D CAD) and analytics (e.g. mechanical / optical topography measurement, electrical network analysis, microscopy, laser Doppler vibrometry), and
- Basic scientific activities (literature surveys, publication, assistance in the preparation of project reports and in securing IP, networking with research and industrial partners).

The duration of the contract is 12 months, with possible extension by further 24 months. The salary is according to the German tariff TV-L (EG 13). The employment is starting 01.11.2020.

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 3010-1/20** 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.