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 (m/f/d) 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 (m/f/d) in reconciling work and family life and regularly submits to the berufund-familie®. Further information at: 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- or Scientist / Post-doctoral Position (m/f/d)**

starting at 01.04.2022. In the case of a post-doctoral position, the contract is limited to 23 months (part-time position is possible). A Ph.D. position is possible in part-time (70% position), and is limited to three years.

**Your profile:**
As a successful candidate (m/f/d) you should have a Master’s degree or similar, or a Ph.D., respectively, in material sciences, microsystems engineering or electrical engineering. You already have experience in the fields of thin films technology, microtechnology, and electrical (rf) engineering. Experience in acoustic high-frequency technology (SAW, BAW, Plate Waves) is beneficial. High motivation for interdisciplinary research and very good English skills as well as the ability to work in an international, interdisciplinary team complete your profile. Good German and Spanish language skills are beneficial.

**Research project:**
The offered position is part of an EU joint research project under the lead of a Spanish research facility.
Tasks that are 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) analytics (e.g. mechanical / optical topography measurement, electrical network analysis, microscopy) and application for acoustically-induced experiments at IFW and partner facilities, and
- Basic scientific activities (literature surveys, publication, assistance in the preparation of project reports and in securing IP, networking with research and industrial partners, contribution to conferences).

**We offer:**
The salary is according to the German tariff TV-L (EG 13). The employment is starting 01.04.2022. The position may require occasional travel within the European union to visit project partners and conduct experimental campaigns.

The institute promotes the professional equality between all genders. 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.

The application for this position should include a cover letter, CV and copies of the available certificates and should be submitted by **13.02.2022**. The reference number is **024-22-3010**. Please send the application as a single pdf file (other formats will not be accepted) to the following email-address:

bewerbung@ifw-dresden.de.

If you have further questions on the position please contact:

Group Leader Dr. Andreas Winkler a.winkler@ifw-dresden.de.