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 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)**

for the timeframe 01.03.2022 until 31.03.2024 in full-time.

**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, and you should have acquired your PhD in a similar discipline. Due to your previous research experience you have comprehensive knowledge in the fields of acoustic high-frequency technology as well as thin-film and micro technology. Experience in Surface acoustic wave driven acoustofluidics and droplet / aerosol generation, as well as microprinting are advantageous. Furthermore, you have experience in project coordination / organization and in the supervision of students. A very good knowledge of written and spoken English, and a distinctive ability to work in an international, interdisciplinary team complete your profile.

**Research project:**
The offered position is part of a joint project between IFW Dresden and a Fraunhofer Institute in Dresden. Tasks foreseen for the offered position at IFW comprise:

- Project coordination with an external partner,
- Design and layout of acoustic high-frequency devices for acoustofluidic aerosol and droplet generation, and their integration into a superior system,
- Realization, analysis and test of acoustofluidic devices,
- Fundamental investigations of physical interactions,
- Basic scientific activities (literature surveys, publication, assistance in the preparation of project reports and in securing IP, networking with research and industrial partners), and
- Supervision of students.

**We offer:**
The salary is according to the German tariff TV-L (EG 13, 100%, fulltime is preferred, part-time is possible).

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 Master thesis and should be submitted by **15.02.2022**. The reference number is **018-22-3010**. 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.

Further information can be found at: www.SAWLab-Saxony.de