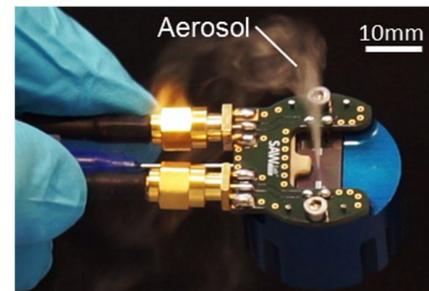


The Leibniz Institute for Solid State and Materials Research Dresden – in short IFW Dresden – is a nonuniversity research institute and a member of the Leibniz Association. The IFW employs approximately 600 people and one focus is on the training of young scientists besides enhancing fundamental and 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: [www.ifw-dresden.de](http://www.ifw-dresden.de).

## Student Assistant (m/w/d) in Micro acoustic Aerosol Generation

There are open positions for student assistants (m/w/d) at SAWLab Saxony<sup>1</sup> as part of the Leibniz Institute for Solid State and Materials Research (IFW Dresden). You will work in the field of acoustofluidics devices, in particular on microacoustic aerosol generation.

At SAWLab Saxony, we have recently developed a compact acoustic aerosol source that can be used for micro-droplet generation in application areas such as mass-spectrometry, material deposition, inhalation therapy, and olfactory sources. The aerosol generation is based on the interaction of high-frequency sound waves (surface acoustic waves, SAW) with fluids in a microchannel. During your work, you will design and test new layouts for microfluidic atomizer chips and chip holder periphery and adapt them to real-world scenarios.



As a candidate (m/w/d), you study process engineering, microsystems technology, electrical engineering, mechanical engineering, microfluidics, or similar and are interested in being part of a cutting-edge research team and working with promising lab-on-a-chip technology. First, experiences in either microfluidic design and experiment, aerosol science, microfabrication techniques, and 2D/3D CAD are advantageous. The ability to work in a team is strongly required.

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.

If you are interested in the position, please send your application (in English or German) including a cover letter with CV and copies of certificates and other relevant material (if applicable) citing the **reference number 039-22-3010** as a single pdf file (other formats will not be accepted) to the following email-address:

[bewerbung@ifw-dresden.de](mailto:bewerbung@ifw-dresden.de).

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

Please contact Dr. Mehrzad Roudini ([m.roudini@ifw-dresden.de](mailto:m.roudini@ifw-dresden.de)) for more information.

**Join our 'good vibrations' and become a part of the team!**

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<sup>1</sup> Center for Acoustoelectronic Fundamentals, Technologies and Components, [www.SAWLab-Saxony.de](http://www.SAWLab-Saxony.de)