

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).

The **Institute for Emerging Electronic Technologies (IET)** at IFW Dresden offers within the working group “Acoustic Microsystems” a position for a

**Student Assistant / Scientific Assistant / Bachelor / Master (m/w/d)  
for Software Development in the field of microacoustic lab technology**

**Your profile:**

As a successful candidate (m/f/d) you should be experienced using programming environments including Python, C&C++ (for Arduino), MicroPython and Labview. You are interested to apply your skills to the interconnection and automation of devices including analog and bus-based sensors and actuators and for the creation of simple GUIs.

A very good knowledge of written and spoken English, and a distinctive ability to work in an international, interdisciplinary team and a technology transfer / startup project complete your profile.

**Research group and aim of R&D:**

The research group aims at developing a prototype for a unique cell sorting technology in the framework of our founding-initiative MicroAcoustiX. The offered position is embedded in a larger research team, working on different aspects of a lab device prototype, and especially concerns the integration and automation of its components. You can assist us in the realization of the control software of the prototype, as well as in GUI development, integration of sensors, and the prototype evaluation.

**We offer:**

We offer a position for a student or scientific assistant (up to 19hrs/week), as well as for interested Bachelor or Master students with accompanying SHK position (up to 9hrs/week possible), if desired. The salary is based on the TdL guidelines. 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 expressly welcome.

The application for this position should include your CV and copies of your study documents. The position will remain posted until filled. The **reference number is 024-23-4500**. Please send the application 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.

If you have further questions on the position please contact:

**Dr. Uhlend Weißker**

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