

The Leibniz Institute for Solid State and Materials Research Dresden e. V. (IFW Dresden) conducts modern materials research on a scientific basis for the development of new and sustainable materials and technologies. The institute employs an average of 500 people from over 40 nations and, in addition to its scientific tasks, is dedicated to promoting young scientists and engineers. The IFW supports its employees in reconciling work and family life and regularly undergoes the audit [berufundfamilie®](#). Further information at: <http://www.ifw-dresden.de>.



The Institute for Emerging Electronic Technologies (IET) offers within the department Emerging Photovoltaics in the working group of Dr. Stanislav Bodnar at the IFW Dresden a

PhD Position (m/f/div)

starting at July 2026 in part-time (65%) limited to 36 months.

Main tasks:

The project is focused on the investigation of the magnetic and optical properties of novel hybrid altermagnetic semiconducting heterostructures using various research methods. The initial stages of the project will include establishing sample fabrication protocols using different growth techniques, such as sputtering deposition, thermal evaporation, and e-beam evaporation. The PhD student will become familiar with a wide range of experimental methods, including ultrafast optical spectroscopy, Kerr microscopy, low-temperature measurements, as well as various material characterization techniques.

Your profile:

- As a successful candidate (m/f/div), you should have a Master's degree or Diploma in physics, optics, chemistry, or a related discipline, preferably with a background in magnetism or semiconductors.
- You should have experience working in a laboratory environment, along with basic programming and data analysis skills (Python, MATLAB, LabVIEW).
- High motivation, very good English or German skills, and the ability to work well in a team are also required.



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What we offer:

- a modern, well-equipped workplace on the campus of the Technische Universität Dresden,
- flexible, family-friendly working hours,
- 30 days vacation per year,
- Company pension scheme (VBL),
- Benefits for job ticket/Germany ticket,
- Special annual payment,
- Capital-forming benefits,
- Company health management (back training, health day with various offers),
- discounted sports offers from the Dresden University Sports Center,
- Job-related further training opportunities and language courses,
- Company restaurant with a variety of breakfast and lunch dishes.
- a future-oriented environment with a workplace with modern research infrastructure,
- working with international and interdisciplinary scientists from different fields,
- working on current research fields.

The employment relationship, including the salary is according to the German tariff TV-L and is task-related up to pay group E13 TV-L.

Notes on the application:

IFW Dresden strives for a balanced gender ratio in all areas. In science, IFW Dresden would like to increase the proportion of women and therefore explicitly invites suitably qualified female scientists to apply. Applications from severely disabled individuals and those with equal status according to § 2 paragraph 3 SGB IX are explicitly welcomed. A corresponding proof must be included with the application documents.

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 017-26-4030** as a single pdf file (other formats will not be accepted) no later than **1st of March 2026** to

bewerbung@ifw-dresden.de.

Please contact Dr. Stanislav Bodnar (s.bodnar@ifw-dresden.de) for more information.