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 Nanostructured Thin Film Materials (NTFM) group at the Institute for Materials Chemistry (Director: Prof. Dr. Anjana Devi) at IFW Dresden offers a

Postdoctoral Associate Position (m/f/div)

on the following topic: Ferroelectric and ultra-wide band gap thin film materials for the next generation of electronic devices

Project description:

- Process development and thin film material fabrication by MOCVD and ALD process using state-of-the-art reactors available at the NTFM group
- Materials characterization and optimization of MOCVD/ALD processes to enhance the functional properties of ferroelectric and ultrawide bandgap (UWBG) materials.
- In-depth analysis of the materials (using XRD, XPS, Raman spectroscopy, SEM, AFM, TEM, etc.)
- Electrical characterisation, device fabrication, and testing of device structures

Your profile:

We are seeking highly motivated candidates (m/f/div) interested in interdisciplinary research, who hold a PhD in Materials Chemistry, Physics, Chemical Engineering, Materials Science and Engineering, Materials Processing, or related fields. We are looking for a candidate (m/f/div) with a strong publication record, initiative, creativity, and the ability to work effectively in a team. Excellent presentation skills to present scientific results, fluency in both written and spoken English, and strong project management skills in collaboration with partners.

As a project lead (m/f/div), the ability to mentor junior graduate and undergraduate students, contributing to their intellectual growth and improving their laboratory skills. We aim to recruit candidates (m/f/div) with strong initiative, creativity, and the ability to work effectively within an international team of researchers with backgrounds in inorganic chemistry, materials chemistry, materials science, and engineering.

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 contract, including remuneration, is based on the collective bargaining law for the public service of the federal states, TV-L EG-13, with full-time working hours of 40h/week (part-time is also possible). The initial appointment is for 24 months. We provide an attractive workplace with excellent facilities and an interdisciplinary research environment in Dresden. The expected starting date is **01.03.2026.**

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 007-26-3000** as a single PDF file (other formats will not be accepted) no later than **31st December 2025** to

bewerbung@ifw-dresden.de.

Please contact Prof. Dr. Anjana Devi or Dr. Harish Parala (office-imc@ifw-dresden.de) for any queries.