

At the TU Bergakademie Freiberg, Faculty of Materials Science and Technology, Institute for Materials Technology, a position is available as a

**Research Associate (m/f/d) – reference number 147-E/2024**

within the framework of a third-party funded project.



**Pay grade:** according to German pay grade E13 TV-L  
**Hours:** 1.0 FTE (40 hours/week; part-time possible)  
**Contract type:** 3 years (an extension is envisaged)

The area of responsibility includes the scientific processing of a third-party funded project in the field of applied electrochemistry (corrosion) with the focus on: test set up development for coupling of electrochemical corrosion / acoustic emission / optical in situ monitoring. The measuring station is intended to characterize and evaluate intercrystalline corrosion of a high-alloy steel using three test methods simultaneously.

**Job description:**

- Working on an interdisciplinary research topic in the field of natural science and engineering
- Construction and support of the developed test set up
- Planning and implementation of experiments as well as instruction of technical employees and students
- Preparation of reports and publications
- Presentation of relevant results at national and international conferences

**What you can expect from us:**

- Working at a family-friendly university with flexible working hours
- Remuneration according to the provisions of the collective agreement for the public service of the German federal states in accordance with the personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management, discounted ticket for local public transport "Job-Ticket"
- Training by long-standing employees, further training opportunities

**What we expect from you:**

- university diploma or master's degree in the field of Applied Physics, Applied Natural Science, Chemistry or comparable fields
- Basics in the fields of corrosion and acoustic emission would be advantageous, but are not a requirement
- Good written and spoken German and English skills
- Willingness to gain further qualification

**For further information, please contact Prof. Dr.-Ing L. Krüger (Tel. 03731/39-4012, E-Mail: [krueger@ww.tu-freiberg.de](mailto:krueger@ww.tu-freiberg.de)) or Dr. Marcel Mandel (Tel. 03731/39-3176, E-Mail: [mandel@iwt.tu-freiberg.de](mailto:mandel@iwt.tu-freiberg.de)).**

The applicant (m/f/d) must meet the hiring requirements for a fixed-term contract according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, providing they possess equal qualification. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie Freiberg is committed to increase the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Written applications including CV, list of publications, motivation letter and copies of all relevant qualification documents (certificates, diplomas) should be submitted by August 11<sup>th</sup>, 2024 stating the **reference number (147-E/2024)** to the following address:

**TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg  
or by e-mail to: [bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)**

Your application documents will not be returned, please only submit copies. TU Bergakademie Freiberg is always looking for scientific personnel from various disciplines. Further information can be found at <https://tu-freiberg.de/en/job-opportunities>.