

The Laboratory for Electron Microscopy (LEM) is the central facility for Electron Microscopy at Karlsruhe Institute of Technology (KIT). Starting 01.01.2023 we seek to fill a

## Postdoctoral Position (f/m/d)

### About the position:

You will be responsible for

- Characterization of high-temperature electrolysis cells using analytical transmission electron microscopy, electron tomography and scanning electron microscopy
- Development of project-relevant electron microscopic methods
- Close collaboration with project partners from different fields (physics, materials science, chemists, electrical engineering)
- Correlation of microstructural and electrochemical properties
- Contribution to material development
- Mentoring of Master and Bachelor students
- Presentation of results at international conferences
- Documentation and publication of results

### The ideal candidate

- Should hold a degree in physics or material science. During the PhD work the candidate should have gained expertise in advanced (scanning) transmission electron microscopy and focused-ion-beam characterization of materials.
- Should have excellent skills in the English language as well as communication and presentation skills. German knowledge is advantageous.
- Should have the ability to drive progress in a team setting.

We offer work in an attractive multi-disciplinary project and an excellent technical infrastructure. The contract will be fixed-term for 24 months. You benefit from wide-ranging training for young scientists (f/m/d) at KIT and the possibility for extended scientific qualification.

The remuneration occurs on the basis of the wage agreement of the civil service in TV-L, E13.

KIT prefers to balance the number of female and male employees. Therefore, we kindly ask female applicants to apply for this job.

If qualified, handicapped applicants will be preferred

Please apply online ([heike.stoermer@kit.edu](mailto:heike.stoermer@kit.edu)) with motivation letter, curriculum vitae, publication list, and copies of your Bachelor, Master and PhD certificates until **31.10.2022**



Further information on the LEM can be found at: [www.lem.kit.edu](http://www.lem.kit.edu).

KIT – Die Forschungsuniversität in der Helmholtz-Gemeinschaft.