



Technische Universität Berlin



Research Assistant – 0.67 working time - salary grade E13 TV-L Berliner Hochschulen

Faculty II - Mathematics and Natural Sciences, Institute of Chemistry - Technical Chemistry

Reference number: II-475/25 (starting at 01/01/26 / limited until 31/08/2028 / closing date for applications 07/11/25)

Your responsibility:

- Participation in the AEMSet research project, a project co-funded by the Federal Ministry for Education and Research (BMBF), in the field of electrocatalytic water splitting using an anion exchange membrane (AEM) (Focus: Synthesis and electrochemical characterization of HER and OER catalysts for AEM water electrolysis, fabrication of membrane electrode assemblies (MEAs), single-cell measurements for the analysis of degradation effects, development of new methods for degradation analytic)
- Independent and scientific work in the field of electrochemistry, electrolyte effects, gas diffusion electrodes preparation, process engineering of electrolysis test rigs

Your profile:

- Successfully completed scientific university degree (Master, Diploma or equivalent) in chemical engineering, chemistry, physics or similar
- Knowledge in the field of electrochemical water splitting and materials science and chemical analytics, especially of the synthesis of heterogeneous catalysts and coating methods for polymer membranes
- Experience with electrochemical cell measurements, especially with the process engineering operation of test rigs
- Knowledge of electrochemical characterization methods (e.g. LSV, CV, impedance spectroscopy)
- Knowledge of key degradation mechanisms in electrochemical devices and their underlying causes
- Detailed knowledge about the following software: OriginLab
- Good command of German and/or English required; willingness to learn either English or German is expected
- Interest in the integration of analytical instruments into existing test rigs and in the development of innovative measurement methods for degradation analysis is desired
- Knowledge about the following methods is an advantage: electrolyser single cell testing, RDE, XRD, ICP-OES/MS, SEM, TEM, EIS
- Very good ability to work in a team is desired

What we offer:

- A varying job within an international university
- Cooperation with other research facilities and industry
- A modern workspace in Berlin
- International renowned and motivated team
- A nice working atmosphere

How to apply:

Please send your application, **quoting the reference number**, with the following documents: cover letter, CV, copies of important certificates such as Master's/Diploma, by email to Prof. Dr. Peter Strasser at **pstrasser@tu-berlin.de**. **Only complete applications will be considered!**

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

