

**Helmholtz-Zentrum Dresden-Rossendorf e.V.**

With cutting-edge research in the fields of ENERGY, HEALTH and MATTER, around 1,500 employees from more than 70 nations at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are committed to mastering the great challenges facing society today. The Institute of Fluid Dynamics is conducting basic and applied research in the fields of thermo-fluid dynamics and magnetohydrodynamics in order to improve the sustainability, the energy efficiency and the safety of industrial processes. The Department of Electrochemical Systems is looking for a

**PhD Student (f/m/d) for fuel cell electrode test.**

The recruitment is subject to project approval.

City: Dresden; Starting date (earliest): 01/11/25; Duration: 3 years; Remuneration: TVöD Bund; Reference number: 2025/111; Closing date: 26/09/25

**Working field**

- Carrying out experiments on fuel cell performance test
- Characterization of electrode activity by electrochemical measurements
- Test the permeability of membrane electrode assembly for fuel cell

**Requirements**

- Completed university studies (Master/Diploma) in the field of Mechanical Engineering, Process Engineering, Chemistry, Physics or related field
- Very good knowledge of electrochemistry and experience with fuel cell test
- Ability to cooperate across disciplines in an international environment
- Independent, structured and target oriented way of working
- Software skills in Python and Matlab
- Very good English skills and basic German skills

## What we offer

- A vibrant research community in an open, diverse and international work environment
- Scientific excellence and extensive professional networking opportunities
- A structured PhD program with a comprehensive range of continuing education and networking opportunities - more information about the PhD program at the HZDR can be found [here](#)
- Salary and social benefits in accordance with the collective agreement for the public sector (TVöD-Bund) including 30 days of paid holiday leave, company pension scheme (VBL)
- We support a good work-life balance with the possibility of part-time employment, mobile working and flexible working hours
- Numerous company health management offerings
- Employee discounts with well-known providers via the platform Corporate Benefits
- An employer subsidy for the "Deutschland-Ticket Jobticket"

## Application

We look forward to receiving your application documents (including cover letter, CV, diplomas/transcripts, etc.), which you can submit via our online-application-system:

<https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=75534>

More information at <https://stellenticket.de/197595/TUB/>

Offer visible until 26/09/25

