

22J024 – Chemical Technician (m/f/d)

Context

The European Institute for Energy Research was founded by EDF and the KIT in 2002 aiming at enhancing collaboration through joint projects applied to industrial issues. With its applied research orientation EIFER is bridging the gap between science and industry since more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable growth of cities, local communities and industries.

In collaboration with its member KIT, EIFER maintains a laboratory dedicated to research on high temperature fuel cell / electrolysis / valorization of CO₂ for E-Fuels-based applications. EIFER is currently contributing to a number of national (German and French) and European projects in this area through various research activities such as powder synthesis, cell elaboration and microstructural/electrochemical characterizations.

The assigned laboratory tasks involve

- Materials synthesis and manufacture of samples
- Structural and microstructural characterizations (SEM, DRX, BET)
- Analysis of gases (mass spectrometry)
- Operating and maintenance of test setups
- Collection, processing and analysis of experimental data with respect to performance, degradation and failure incidents + activity reporting
- Maintenance, organization and safety of the laboratory

Required qualifications / skills

- Chemical technician, Bachelor or equivalent degree in Chemistry
- Good written and spoken German and English
- Enthusiasm for experimental work
- Ability to collaborate in an international environment
- Autonomous working, discipline and regard for confidentiality, security and safety

Skills and experiences which would be of advantage

- Knowledge in physics, electrochemistry, chemical process engineering, solid state chemistry
- Experience with mass spectroscopy, scanning electron microscope
- Knowledge of Solid Oxide Cells and Electrolysis technology

What you can expect

- An international environment as well as a pleasant and open working atmosphere
- Exciting and responsible tasks
- Attractive retirement benefits
- Motivating environment and flexible working hours
- Possibility of remote work on days without laboratory work

Conditions

- Duration: the position is initially limited to 2 years
- Starting date: as soon as possible
Location: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany, Lab location
KIT Campus Süd
- The salary is based on qualification and experience according to TV-L

Contact

If you want to join our institute, please forward your electronic application with one single PDF of max. 5MB to jobs@eifer.org (cover letter + curriculum vitae) until **31 July 2022**. Please refer to the offer number **22J024**.

To learn more about EIFER, please visit our website at: <http://www.eifer.org>

For additional information concerning the work please contact the lab responsible Dr. Julian Dailly, julian.dailly@eifer.org