

## 24J015 – Student assistant for the ENERMAT laboratory

Are you interested in working in a research laboratory?

The European Institute for Energy Research EDF-KIT EWIV (EIFER) is looking for a

### **Student assistant (f/m/d)**

in the research group “Low carbon hydrogen Systems”.

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 and utilities' needs. With its applied research orientation EIFER is bridging the gap between science and industry for more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable development of cities and communities, economic activities, and territories.

Since years, EDF via EIFER deeply extended its activities in research and development on non-carbon energy technologies (electrolysis, fuel cell and battery) and its know-how in the elaboration of high performing ceramic materials and cell processing has been increasing.

### The assigned tasks involve

- Provide support to the team in the different activities performed in the laboratory
- Improvement of test benches (software and hardware)
- Synthesis of powders and manufacture of samples
- Electrochemical measurements and data treatment/analysis
- Participate to the archiving (database) and reporting process
- Update the state-of-the-art literature of the various field of activities
- Support for maintenance, safety and organization of the laboratory

The list of activities is not exhaustive. The activities to be performed by the student assistant are regularly updated by the head of the laboratory and team according to the running projects and current priorities. The position is an excellent exercise for students who intend to apply in the future for an engineer position or as PhD candidate.

### Required qualifications/skills/interests

The position is aiming to Master-students in chemical engineering, solid state chemistry, material science, with

- ✓ Background on fuel cell, electrochemistry, solid state science appreciated
- ✓ Ability to conduct literature review and reporting
- ✓ Ability to work in autonomy and to organize own work with minimal supervision
- ✓ Ability to write/communicate in English; German highly desirable
- ✓ Discipline and regard for confidentiality, security and safety at all times

## What you can expect

- A stimulating, multicultural and multidisciplinary environment
- An institute at the intersection between academic research and one of the largest energy utilities in Europe
- If the opportunity arises: participation to conferences, involvement in scientific publications

## Conditions

- Duration: about 6 months
- Starting date: as soon as possible
- Location: EIfER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany and KIT-ITCP, Engesserstrasse 20, 76131 Karlsruhe
- Working hours: about 40 hours per month
- Monthly compensation: 550 € basis, hourly rate depending on the student's education level

## Contact

If you want to join a highly motivated research group, please forward your electronic application with one single pdf of max. 5MB including all relevant information (curriculum vitae and cover letter) to [jobs@eifer.org](mailto:jobs@eifer.org). **Please refer to the offer number 24J015.** For additional information concerning the work please contact: [julian.dailly@eifer.org](mailto:julian.dailly@eifer.org)