European Institute
for Energy Research
by EDF and KIT

23J015 – Research Fellow (m/f/d)

Are you eager to develop and apply methods for assessing the effects that energy projects and infrastructure have on local environment and society?

Become a member of the EIFER team!

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

Research fellow (m/f/d)

in the field of **Hydrogen Engineering & Innovation,** who will integrate the Research Group *"Low Carbon Hydrogen Systems"*. The work is embedded in large, international research projects of the EDF group as well as public funded projects.

The position is based in Karlsruhe with a duration of initially 2 years **starting as soon as possible.** The salary is based on qualifications and experience according to TV-L (100%).

The European Institute for Energy Research was founded by EDF and the KIT in 2002 aiming at enhancing collaboration through projects applied to industrial issues and utilities' needs. With its applied research orientation EIFER has been 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 a sustainable future.

What you can expect

- Contributing to experimental work in the laboratory at cell and stack level with electrochemical performance and degradation evaluation
- Analyzing the degradation mechanisms principle of cell /stack by different methods of characterization: on-line impedance spectroscopy, microscopy observations, X-ray diffraction and other more innovative techniques
- Developing and managing project proposals, both for industrial stakeholders and in the framework of public funded calls
- Presenting your activities in industrial and scientific circles
- Direct exchanges with our members, representatives and partners

What we expect

- Master or engineering's degree
- Experience in processing research or industrial projects
- Experience with experimental work in hydrogen systems, in particular high temperature technology with solid oxide cells, and related Material science of Energy
- A very good level in English and French (both written and spoken) is mandatory and a good level in German is an asset
- Knowledge and knowhow in material characterization with classical techniques
- Skills for implementation & improvement of testing equipment (issues are here e.g. cell housings, evaporation systems, data acquisition and testing installations, implementation & optimization of impedance spectroscopy on different testing installations)

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- Ability to communicate and work in a multicultural team, enthusiasm, reliability and independent working style

What we offer

- An international and multi-disciplinary environment with a pleasant and open working atmosphere
- Autonomy in organizing own work and cross-team project work
- Flexible working conditions with possibility of part-time mobile office
- Diffusion of scientific results through international journals and presentation on conferences
- Direct discussion with industrial representatives of our members or partners

Key facts

- Duration: the position is initially limited to 2 years
- Starting date: as soon as possible
- Regular work location: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany
- The salary is based on qualification and experience according to the public tariff system TV-L

Contact

If you want to join our institute, please forward your electronic application (cover letter + curriculum vitae + certificates) with **one single PDF of max. 5MB** to jobs@eifer.org by **November 15th, 2023. Please refer to the offer number 23J015.**

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

For additional information concerning the work, please contact: Mathieu MARRONY (mathieu.marrony@eifer.org)