

24J002 – Vacant Position (m/f/d)

Are you interested in working on alternative fuels production technologies?

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 alternative (bio/synthetic) fuels production technologies, who will be part of the research group “Local Multi-Energy Systems”.

The position, based in Karlsruhe, starts with a 2-years-contract and is available for immediate start. The salary is based on qualifications and experiences.

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.

The group focuses on biofuels and synthetic fuels (chemically produced from CO₂/ N₂ and H₂) like SAFs, methanol and ammonia. Extensive work programs are currently underway on various aspects:

- strategic and economic analysis of the development of these fuels and their future role in the decarbonization of the economy.
- technical and economic analysis on the conversion technologies, based on process engineering approaches.
- detailed technical studies applied to projects, related to the design, operation, and integration of the technologies in the energy systems.

What you can expect

- Detailed technical and economic studies on a range of bio/synthetic-fuels conversion technologies.
- Contribution to the design of alternative (bio/synthetic) fuels concepts / technologies and their integration in the energy system (flexibility, environmental impacts etc.)
- Strategic studies and analysis for EIFER’s clients (operational entities and strategic department of a utility)
- Actively contribute to the development of EIFER’s research agenda and enhance its scientific recognition in the bio/synthetic fuels field:
 - respond to public-funded project calls (European / German call for projects)
 - maintain and expand EIFER’s industrial and academic partnerships in the domain through proactive engagement and networking.
 - publish results in scientific journals and conferences.

What we expect

- A master's degree or equivalent in a related domain: chemistry, process engineering, mechanical engineering, environmental engineering
- 5+ years professional experience in the field of hydrogen / biomass / synthetic fuels is required.
- Rigor and respect of quality/cost/deadlines
- Team worker with the ability to work independently in a structured way
- Strong analytical skills and a critical thinking mindset
- Ability to convey clear and efficient messages, both verbally and in writing.
- A very good level in English (both written and spoken) is mandatory, and a good level in German and/or French would be an asset

What we offer

- An international environment as well as a pleasant and open working atmosphere
- Autonomy in organizing own work and cross-team project work
- Flexible working conditions with possibility of part-time and mobile office
- Academic environment: local and international scientific networks

Key facts

- Duration: the position starts with a 2-years-contract
- 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

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 **30th April 2024**. Please refer to the offer number **24J002**.

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

For additional information concerning the work please contact Francois COURTOT (francois.courtot@eifer.org).