

The Faculty of Mechanical, Process and Energy Engineering, Institute of Energy Process Engineering and Chemical Engineering, professorship of Reaction Engineering invites applications for the position of a



TUBAF

Die Ressourcenuniversität.
Seit 1765.



FAMILIE IN DER
HOCHSCHULE

Mitglied des Best Practice-Clubs

Research Associate (m/f/d) – tender number 208-E/2023

pay grade: Pay group 13 TV-L
Hours: 1 FTE (or individually reduced at your own request)
Contract: 42 months

The research project deals with the synthesis of sustainable kerosene ("e-fuels") using catalytic oligomerisation of methanol-related olefins. The research is embedded into a consortium consisting of different industry partners and research institutes and is financed by the German Ministry for Economic Affairs and Climate Action.

Your tasks are:

- Research on the mechanism of the olefin oligomerisation using zeolite catalysts
- Physico-chemical characterization of the active sites of the zeolite catalysts, adsorbates and coke species formed during the olefin oligomerisation
- Investigation of the effect of operation conditions on adsorbates and their impact on catalyst lifetime and activity/selectivity; Targeted catalyst development based on the knowledge gained

What you expect from us:

- Working at a family-friendly university with flexible working hours
- Remuneration according to the provisions of the collective agreement for the public service of the federal states according to the personal requirements
- Attractive fringe benefits, e.g. asset-based benefits (VL), company pension schemes (VBL), health management; training at the start of your work by experienced colleagues
- discounted ticket for local public transport "Job-Ticket"

What we expect from you:

- university diploma or master degree or doctorate in the fields of natural sciences and engineering
- good written and spoken German and English skills
- independent scientific work as well as scientific curiosity and the ability to work in a team

**For further information please contact Prof. Dr. Sven Kureti, phone: +49 3731 39 4482,
e-mail: kureti@iec.tu-freiberg.de**

The applicant must meet the hiring requirements for fixed-term employment contracts according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Please send your application with the usual documents, quoting the **tender code (208-E/2023)**, by **22.10.2023** (the postmark of the ZPS of the TU Bergakademie Freiberg applies) to:

**TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg
mail: bewerbungen@tu-freiberg.de**

Your application materials will not be returned; please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for scientific personnel from different disciplines. Information under:
<https://tu-freiberg.de/>