

## Assistant Professor

Ecole/Institution/Société:

**University of Bayreuth, Germany / Bayreuth**

Discipline:

**Engineering**

Type d'emploi::

**Full-time**

Date de publication:

**2025-02-20**

Personne à contacter:

**If you wish to apply for this position, please specify that you saw it on AKATECH.tech**

### **Full Professor of Engineering Thermodynamics and Transport Processes**

The University of Bayreuth is a research-oriented university with internationally competitive, interdisciplinary focus areas in research and teaching. The Faculty of Engineering Science at the University of Bayreuth is currently seeking to appoint a

### **Full Professor of Engineering Thermodynamics and Transport Processes**

at salary grade W3 to commence as soon as possible. This is a permanent civil service position.

The successful applicant represents the professorship's field in its entirety in research and teaching and has an outstanding record of relevant engineering work in future-oriented areas.

The research work should contribute to overcoming societal challenges such as a more efficient use of energy and resources in processes, plants and buildings, the decarbonization of energy conversion and material cycles, as well as alternative forms of energy storage. Theoretical, simulation-driven, experimental and, if applicable, AI-based contributions to fundamental and applied research, particularly in energy technology and sustainable mobility concepts are expected. In this context, the state of the art in science and technology is to be advanced, mainly in the following areas:

- Thermodynamic cycles,
- Heat transfer,
- Mass transfer,
- Trigeneration, and
- Integrated energy systems.

The future incumbent must demonstrate excellence in both research and teaching. Involvement and the assumption of management responsibility at the Centre for Energy Technology (ZET) is required. Compatibility and adaptability for initiatives on DFG-funded Collaborative Research Centres is required. Interdisciplinary cooperation with other research centres at the University of Bayreuth, such as the Bavarian Centre for Battery Technology (BayBatt) or the Research Centre for Artificial Intelligence in Science and Society (RAIS<sup>2</sup>), is also desired, as is a willingness to participate in the UBT Future Energy Lab Wunsiedel.

The ability to teach in German and English is expected.

The general administrative requirements for hiring professors at universities in Bavaria apply. A

complete description of the vacancy can be found at [www.uni-bayreuth.de](http://www.uni-bayreuth.de) (University / Work at the University / Job Vacancies).

Applications (CV including a list of publications, list of courses taught, experience obtaining external funding, as well as copies of certificates and diplomas) are to be addressed to the Dean of the Faculty of Engineering Science, Prof. Dr.-Ing. Stephan Tremmel, and submitted via <https://uni-bayreuth.berufungsportal.de> .

Applicants are welcome to direct questions and requests for further information to the Dean at [dekanat.ing@uni-bayreuth.de](mailto:dekanat.ing@uni-bayreuth.de). Application documents will be deleted in accordance with data protection law following the conclusion of the appointment process.

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