

Fields of Expertise – Mobility and Production

Environmental stress and scarcity of raw materials necessitate rethinking of mobility and production. Researchers in the Mobility & Production Field of Expertise – one of the five research focus areas of Graz University of Technology – focus on this complex area. They investigate novel mobility systems, vehicle technologies and propulsion systems as well as information and data transmission for traffic control and positioning.

The scientific community within this FoE develops more economical and time-saving manufacturing processes that allow innovative design changes, utilize the advantages of new materials and drives manufacturing towards a new level of precision work. Research results deliver ground breaking solutions to today's challenges in terrestrial, sea and air traffic, production engineering and its management principles.

Graz University of Technology invites applications for an open-topic

Tenure-Track Assistant Professorship in the area of Mobility and Production (f/m/d)

Particularly relevant are the fields of research in

- Innovative propulsion systems and sustainable fuels
- Traffic related emissions and environmental topics
- Hydrogen: Production, storage and application
- Automotive and aeronautical engineering, railway technology
- Active and passive vehicle safety
- Advanced production technologies
- Digital transformation in manufacturing

The professorship will be part of the Field of Expertise Mobility and Production described at <https://www.tugraz.at/en/research/forschungsschwerpunkte-5-fields-of-expertise/mobility-production/overview-mobility-production/>

Based on the research and teaching focus, the candidate will be assigned to a matching institute and faculty that participate in this Field of Expertise.

Requirements:

- A relevant university education with a completed doctoral/PhD degree

Expected Qualifications:

- Outstanding achievements and potential in research, excellent publication activity and international reputation
- International experience in the form of a PhD or PostDoc
- Experience in the design and implementation of international research projects as well as willingness and ability to establish and lead a research group
- Enthusiasm for excellent teaching, teaching experience, as well as the ability and willingness to teach in all curricular stages (Bachelor, Master, Doctorate), supervise theses and promote young scientists

To ensure effective international representation of the research group and its work, excellent spoken and written competence in English is required. Specifically, willingness to teach courses in English is expected. Fluency in German or the willingness to acquire it is also

required. The successful candidate is also expected to transfer her/his residence to the area of Graz.

Graz University of Technology aims to increase the proportion of women, in particular in management and academic staff, and therefore qualified female applicants are explicitly encouraged to apply. Until a balanced ratio of men and women has been achieved at the university, preference will be given to women if applicants are equally qualified.

Graz University of Technology actively promotes diversity and equal opportunities. Applicants are not to be discriminated against in personnel selection procedures on the grounds of gender, ethnicity, religion or ideology, age, sexual orientation (Anti-discrimination). People with disabilities who have the relevant qualifications are expressly invited to apply.

Our Offer:

The advertised position is a tenure-track career position for an initial period of 6 years. (pursuant to § 99 para. 5 of the Universities Act) After the conclusion of a qualification agreement, the job holder is appointed as an **Assistant Professor**. After a positive evaluation of the qualification agreement, the position will be turned into a permanent position as **Associate Professor**. Graz University of Technology provides excellent working conditions in a lively scientific community combined with the outstanding living quality of the Graz area.

The position will be paid according to category B1 of the collective agreement for employees of Austrian universities, stipulating an initial gross salary of EUR 4,309.30 (14 x per year).

Your Application:

Interested applicants are requested to send a detailed application in electronic form, and should quote the position identification number:

- using the completely filled out application form <https://www.tugraz.at/go/professorships-vacancies/>,
- including a resume (with copies of diplomas),
- a list of publications with copies of their 5 most important publications,
- a research statement describing past and planned research activities (3 pages max.),
- a teaching statement describing past and planned teaching activities (3 pages max.) and evaluations of past teaching activities (if available),

at the latest by

September 30th, 2020
(date of email)

to the Vice Rector of Research via the Research & Technology House of the Graz University of Technology, **Horst Bischof**, E-Mail: applications.foe@tugraz.at

The interviews for the position are expected to take place in the week from November 16th, 2020. Candidates are asked to be available in this period. For further questions, please contact the head of the Field of Expertise, **Helmut Eichlseder**, eichlseder@ivt.tugraz.at

Vice Rector of Research: Horst Bischof
Position identification number: 32/R/PA/93070/20