

Applications are invited for the position of a

University Professor for Thermal Turbomachinery (successor to Prof. Dr. F. Heitmeir)

at the Institute of Thermal Turbomachinery and Machine Dynamics of Graz University of Technology (TU Graz), Faculty of Mechanical Engineering and Economic Sciences. This position (m/f/d) will be filled pursuant to Sec. 98 of the Austrian University Act 2002, as from October 1, 2023. The position will be based on a permanent employment contract, as defined under the terms of Austrian civil law, with Graz University of Technology.

Applicants should be excellently proven in the field of thermal turbomachinery through professional practice and scientific activity, and represent the subject internationally in research and teaching. In addition to the design, simulation and testing of turbines, the focus of the professorship is extended to environmentally friendly and resource-saving energy and aircraft systems.

This professorship is a key-position for the faculty's new aviation focus. In large-scale cooperative projects, the position will act across departments at TU Graz and within TU Austria University Initiative. One goal is to provide, scientific support for the European aeronautical industries and their suppliers together with other involved institutes of TU Graz.

In teaching, the applicant is expected to have a strong command and commitment in both the basics and applied subjects in thermal turbomachinery and machine dynamics on the bachelor's, master's and doctoral levels.

We expect the willingness to close cooperation across borders of institutes and faculties, in Austria and international. Active cooperation in the academic self-administration and a strong commitment for the development of the interdisciplinary fields of research of TU Graz, called the *Fields of Expertise*, are also expected.

Required candidate profile:

- PhD-level university education, in a discipline relevant for the position,
- excellent scientific qualification in research and teaching (habilitation or equivalent scientific record),
- international basic and applied research network,
- leadership, with the qualification to guide and develop a University institute.

Good command of written and spoken German and English is required for an excellent representation of the field in teaching and on an international level. Non-German speakers are expected to learn German within two years.

The transfer of residence to the area of Graz is required.

Further requirements:

- Excellent network with industries,
- experience in the acquisition of third-party money and the application for and coordination of funded research projects,
- teaching in German and English,
- excellent didactic skills,
- ability to work in a team and cooperativity,
- competence in gender and diversity.

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. 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 in personnel selection procedures on the grounds of gender, ethnicity, religion or ideology, age, sexual orientation (Anti-discrimination). People with disabilities and who have the relevant qualifications are expressly invited to apply.

Candidates should submit their detailed application

- using the application form sheet of TU Graz at <https://www.tugraz.at/go/professorships-vacancies>,
- presenting their CV and scientific record in teaching and research or in industries (copies of certificates and documents attached),
- displaying their planned activities in research and teaching and for the development of the institute,
- presenting the full texts of their five most important publications (pdf or link)

in a digital form at the latest by

May 22, 2022

(date and time of email timestamp) to the Dean of the Faculty of Mechanical Engineering and Economic Sciences.

Address:

Graz University of Technology

Dean of the Faculty of Mechanical Engineering and Economic Sciences

Inffeldgasse 23/I

8010 Graz

Austria

E-Mail: dekanat.mbww@tugraz.at.

Hearings are planned for the week 36 in 2022. Candidates invited after review of the applications are requested to save that week for a visit to Graz, should the Covid-19 pandemic allow this.

Questions should be directed to the Dean of the faculty of Mechanical Engineering and Economic Sciences.

The Dean: Univ.-Prof. DI Dr. Franz Haas

www.tugraz.at