Graz University of Technology (TU Graz) / the Faculty of Mechanical Engineering and Economic Sciences invites applicants to apply for the position of a

**University Professor for Hydraulic Fluid Machinery**  
(Successor of Prof. Dr. Jaberg)

at the Institute of Hydraulic Fluid Machinery of TU Graz. It is planned to fill this position, pursuant to Sec. 98 of the Austrian University Act 2002, as from October 1, 2020. The position will be based on a permanent employment contract, as defined under the terms of Austrian civil-law with Graz University of Technology.

The scope of the position is the entire field of hydraulic fluid machinery, including system aspects. The fields of research presently established include the optimization of conventional machines, but also the design of novel, high-end future applications. This requires a deep understanding of the flow processes, the mutual interaction of components, and of the specialties of small- and large-scale hydro power.

The institute has excellent laboratory equipment and a strong, long lasting national and international network in science and industry.

Applicants should have an internationally renowned research record in the field of hydraulic fluid machinery. Next to the scientific and theoretical basics, experience in design, modelling and simulation, and on-site measurement as well as test bench techniques is welcome. We expect strong commitment to teaching on the Bachelor’s, Master’s and Doctoral levels. Applicants should have experience from industries or similar fields, suggesting strong representation of the subject in research and teaching.

Furthermore, we expect willingness to an interdisciplinary cooperation inside and outside TU Graz, cooperation with the economic and industrial fields, and across faculty borders in the TU Graz Field of Expertise „Sustainable Systems“.

**Requirements:**

- PhD-level university education, in Austria or abroad, in disciplines relevant for the position
- excellent scientific qualification in Hydraulic Fluid Machinery
- excellent teaching capabilities
- leadership skills
- the ability to work in a team
- multi-annual relevant experience in industries

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

TU Graz 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. TU Graz 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 having 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](https://www.tugraz.at/go/professorships-vacancies)
- presenting their scientific record in teaching and research or in industries
- displaying their planned activities in research and teaching and for the development of the institute
• presenting their list of publications (including the full texts of the five most important publications) in electronic form at the latest by **May 12, 2019**

(date and time of email timestamp) to the Dean of the Faculty of Mechanical Engineering and Economic Sciences, Graz University of Technology, Inffeldgasse 23/I, 8010 Graz, Austria, email address dek-anat.mbww@tugraz.at.

Hearings with the invited candidates are planned for the week between September 16 and 20, 2019.

The Dean: Univ.-Prof. Dr.-Ing. Franz Heitmeir