

The Faculty of Electrical and Information Engineering of Graz University of Technology is seeking to appoint a full

University Professor of Acoustics

– with focus on Communication Acoustics –

according to Section 98 of the Austrian Universities Act 2002 (§98 UG) at the Signal Processing and Speech Communication Laboratory, starting on February 1, 2023. The Professor position is tenured.

For this position, we are seeking a highly qualified and scientifically well-established individual who is deeply committed to representing the field of „Communication Acoustics“, both in teaching and in research and who brings along experience in music. On this basis the professor will take on the further development of the Bachelor and Master studies in “Electrical Engineering and Audio Engineering” in the role of the mastermind. This programme is run jointly by Graz University of Technology and the University of Music and Performing Arts Graz and enjoys substantial international appeal.

The professor will develop excellent research in several of the following areas of communication acoustics:

- Electroacoustics, media systems, recording and reproduction engineering
- Hearing acoustics, hearing aids, speech and music perception
- Embedded audio, ‘Hearables’, virtual and augmented reality
- Acoustic measurements, engineering of acoustic materials and devices.

This demands the interdisciplinary integration of scientific methods from acoustics, electronics, information engineering as well as psychology and physiology so as to design, model and realize technical systems where human beings as listeners take center stage.

Cooperation is a key factor in research at Graz University of Technology: Cooperation within the same Faculty, with the Professor of Acoustics and Environmental Noise (to be appointed in parallel, joint setup of measurement facilities) as well as existing research groups in the areas Signal Processing and Speech Communication, Multiphysics and Aeroacoustics, Electronics, Electronic Sensor Systems, and Technical Informatics. Cooperation within the neighboring Faculties, in the areas Noise-Vibration-Harshness, Soundproofing as well as Psycho-Acoustics in Transportation, and Visual Computing. And cooperation beyond the university, with company partners and research institutions such as the Institute of Electronic Music and Acoustics (University of Music and Performing Arts Graz) and the Department of Otorhinolaryngology (Medical University of Graz).

In terms of teaching, both the fundamentals and areas of specialization are to be represented in accordance with the above-mentioned core topics for the inter-university course of studies in “Electrical Engineering and Audio Engineering” (jointly with the University of Music and Performing Arts Graz), including the operation of a sound recording studio for teaching purposes and the supervision of graduation works for Bachelor, Master, and PhD students. In addition, the development of a new Master’s programme in “Engineering Acoustics” shall be supported. Candidates are expected to have experience in and enthusiasm for teaching and interdisciplinary collaboration, as well as for intensive interaction with students and active participation in university affairs.

Applicants must have earned a doctorate (Ph.D.) in the required discipline or in a closely related field from an Austrian or equivalent foreign university.

Key selection criteria are as follows:

- Outstanding scientific qualification (as evidenced by a habilitation or equivalent scientific achievements)
- Excellent didactic skills
- Education in music
- Gender and diversity competence
- Qualification and suitability for leading a research team/university institute

- Ability to work in a team and cooperativeness
- Experience in university-level teaching
- Involvement in international research
- Experience in the cooperation with companies, research institutions or universities
- Experience in the successful acquisition of third-party funds

The chosen candidate should have a strong command of the English language, written and spoken, so as to effectively represent and communicate the subject matter in an international context both in the classroom and in the research field. If the candidate does not yet have sufficient knowledge of the German language, he or she must be willing acquire said language skills.

The chosen candidate is expected to relocate his or her main residence to the Graz area.

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.

Applicants are asked to forward a detailed application in electronic form (certificates and documents, curriculum vitae with a description of the applicant's scientific and professional career, publication list with copies of the five most important publications, an overview of his or her recent research and teaching activities and a concept for the development of acoustics in research and teaching) using the mandatory application form available at <https://www.tugraz.at/go/professorships-vacancies> by no later than

July 10, 2022

(e-mail timestamp),

attn:

Dean of the Faculty of
Electrical and Information Engineering
Univ.-Prof. DI Dr. Wolfgang Bösch, MBA
Inffeldgasse 18/EG, 8010 Graz, Austria

E-Mail: dekanat.etit@tugraz.at

The interviews are scheduled from September 26 to October 7, 2022, and applicants are kindly requested to reserve these dates.

The Dean: Univ.-Prof. DI Dr. Wolfgang Bösch, MBA

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