



The Faculty of Electrical and Information Engineering of Graz University of Technology seeks to appoint a full professor of

Integrated Measurement- and Circuit- Technology

initially at the Institute of Electrical Measurement and Sensor Systems, starting on October 1st 2022. The position is tenured according to Section 98 of Austrian University Act (§98 UG).

For this position, we are seeking a highly qualified and scientifically well-established individual who is deeply committed to represent the field of Integrated Measurement- and Circuit- Technology in teaching and research focusing on theoretical principles, fundamental technologies and their applications. Exceptional individuals who have demonstrated broad research experience in this domain are encouraged to apply.

The candidates are expected to implement a sophisticated research programme in the field of Integrated Measurement- and Circuit- Technology.

The expertise of the applicants covers several of the following areas:

- Design and development methodology of integrated measurement and circuit technology (Analog and mixed signal design, Optoelectronics, Silicon Photonics, Measurement and sensor signal processing, Control of actuators)
- Mathematical modelling, optimisation and simulation of integrated measurement and circuit problems
- Technology of integrated circuits (BiCMOS, CMOS and beyond, GaN, SiC, Heterogeneous integration, Photonic Integrated Circuits)
- MEMS, MOEMS, NEMS, NOEMS (Control and signal processing, Design)
- Photonic Integrated Circuits (Design, Integration)
- Power Management (Design at system level, integration, Energy Harvesting)

Of particular interest is also the application of integrated measurement and circuit technology for e.g. renewable energy, autonomous systems, automotive measurement technology and electromobility and biomedical technology.

In the field of teaching both the fundamentals as well as the advanced areas of Integrated Measurement- and Circuit- Technology are to be represented. This includes the following courses in the Bachelor's and Master's programmes from Electrical and Information Technology, Digital Engineering, Mechanical Engineering and Biomedical Engineering: Fundamentals of measurement technology, integrated measurement and circuit technology, microsystems technology, as well as special lectures from your own research areas.

The willingness to collaborate and previous experience in interdisciplinary collaboration, as well as intensive interaction with students and active participation in university affairs are expected.

Involvement in the main research areas of the Faculty and the Graz University of Technology is just as welcome as cooperation with surrounding and international universities and research institutions.

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

Key selection criteria are:

- outstanding academic qualification, verified by a habilitation degree (venia docendi) or equivalent scientific achievements
- excellent didactic skills
- integration in international research
- experience in teaching at university level
- gender and diversity competence
- leadership skills
- ability to work in a team and willingness for cooperation
- experience with university or industrial cooperation
- experience in the successful acquisition of third-party funds

To ensure effective international representation of the subject matter in teaching and research, applicants must be fluent in written and spoken English. If the successful candidate does not have sufficient knowledge of the German language, he or she must be willing to acquire such competence.

The successful candidate is expected to transfer 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 and 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 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 the institute in research and teaching) to: dekanat.etit@tugraz.at by no later than

31.12.2021 (e-mail timestamp),

attention of:

Dean of the Faculty of Electrical Engineering and Information Technology
at Graz University of Technology
Univ.-Prof. Dipl.-Ing. Dr.techn. Wolfgang Bösch, MBA
Inffeldgasse 18/EG
A-8010 Graz, Austria.

Applicants must use the application form provided at <https://www.tugraz.at/go/professorships-vacancies/>.

The interviews are scheduled from 31st of January 2022 to the 4th of February 2022, applicants are asked to keep this period free.

The Dean: Univ.-Prof. Dipl.-Ing. Dr.techn. Wolfgang Bösch, MBA

www.tugraz.at