

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

### **Robust Electronic Systems**

at the Institute of Electronics, starting by January 1, 2020. The successful applicant will be appointed as professor on a limited employment contract (five years) according to Section 99 of the Austrian Universities Act (§99 UG).

For this position, we are seeking a highly qualified and scientifically well-established individual who is deeply committed to representing the field of “Robust Electronic Systems“ both in teaching and in research.

This internationally growing subject area is currently being worked on at several institutes of the faculty. The aim of this professorship is to expand and strengthen existing capacities in this area. This is an excellent opportunity for the international positioning of TU Graz especially in the background of the focus of regional industry and the newly established research center Silicon Austria Labs.

The main focus of the applicants will be on several of the following areas:

- Electronic Circuit Technology (Analog, Digital, Mixed Signal)
- Electromagnetic compatibility of electronic devices and systems
- Modelling, simulation, characterization of electronic components, systems and their integration
- Development and application of electronic components
- Experience in the design of electronic devices and/or integrated circuits
- Development of reliable and robust electronic systems (e.g. design for reliability, EMC aware IC and electronic system design, functional safety of electronic systems)
- Characterization of the emission and immunity characteristics of electronic devices and systems, as well as integrated circuits
- Protection of transient disturbances (e.g. electrostatic discharges)

Involvement in the main research areas of the Faculty and the Graz University of Technology (including microelectronics, security systems, automotive embedded systems, power electronics, ...) is just as welcome as is the cooperation with local and international universities, research institutions and companies.

In terms of teaching, both the fundamentals as well as areas of specialization in the electronics and microelectronics are to be represented. Previous experience in and the willingness to pursue interdisciplinary collaboration, as well as intensive interaction with students and active participation in university affairs are expected.

Applicants must have earned a doctorate (Ph.D.) in the required engineering discipline or in a closely related field. Key selection criteria are as follows:

- Outstanding scientific qualifications  
(as evidenced by a habilitation or equivalent scientific achievements)
- Involvement in international research community

- Experience in industrial cooperation
- Excellent didactic skills
- Teaching experiences on university-level
- Qualification and suitability for leading a research group
- Successful experience in the acquisition of third-party funds
- Gender and diversity competencies
- Teamwork and willingness to cooperate

To ensure effective international representation of the Institute and its work, excellent spoken and written competence in English is required. If the candidate does not yet have sufficient knowledge of the German language, he or she must be willing to pursue and acquire said language skills.

Residence at an easily accessible distance from the workplace is desirable.

Graz University of Technology aims to increase the proportion of women, in particular in management and academic staff. 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 will not be discriminated against in personnel selection procedures on the grounds of gender, ethnicity, religion or ideology, age, or sexual orientation (anti-discrimination). People with disabilities who have the relevant qualifications are explicitly encouraged 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 future development of the institute in research and teaching) using the mandatory application form available which is available at <https://www.tugraz.at/go/professorships-vacancies> by no later than

**November 6, 2019**  
(e-mail timestamp).

attn:

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Graz University of Technology  
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