

Fields of Expertise – Information, Communication & Computing

Researchers in the Field of Expertise Information, Communication & Computing – one of the five research focus areas of TU Graz – gathering more than 100 senior members from computer science, information engineering, mathematics and geodesy – are focussing on challenges prompted by the information age, for example data security and the efficient use of the ever increasing volume of data. They are studying how to transfer, process, structure and store information. They are investigating and developing wireless communication technologies as well as hardware and software for computers, networks and satellite systems. The outstanding research was already rewarded by ERC grants.

Graz University of Technology invites applications for an open-topic

Tenure-Track Assistant Professorship in the area of Information, Communication & Computing (f/m/d)

Of particular interest is basic and applied research on Information, Communication and Computing, including but not limited to the following exemplary areas:

- Algorithms and complexity
- Artificial intelligence and machine learning
- Data science, statistical data analysis and signal processing
- Embedded and distributed systems
- Human-machine interfaces
- Mathematical foundations of information, communication and computing
- Microelectronics
- Modelling and simulation
- Security and safety and dependability
- Software, systems and control engineering
- Visual computing
- Wireless communications and networks

The professorship will be part of the Field of Expertise Information, Communication and Computing described at <https://www.tugraz.at/en/research/fields-of-expertise/information-communication-computing/overview-information-communication-computing/>

Based on the research and teaching focus, the candidate will be assigned to a matching institute and faculty that participate in this Field of Expertise.

Requirements:

- A relevant university education with a completed doctoral/PhD degree

Expected Qualifications:

- Outstanding achievements and potential in research, excellent publication activity and international reputation
- International experience in the form of a PhD or PostDoc position
- Experience in the design and implementation of international research projects as well as willingness and ability to establish and lead a research group
- Enthusiasm for excellent teaching, teaching experience, as well as the ability and willingness to teach in all curricular stages (Bachelor, Master, Doctorate), supervise theses and promote young scientists

To ensure effective international representation of the research group and its work, excellent spoken and written competence in English is required. Specifically, willingness to teach courses in English is expected. Fluency in German or the willingness to acquire it is also required. The successful candidate is also expected to transfer her/his residence to the area of Graz.

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.

Our Offer:

The advertised position is a tenure-track career position for an initial period of 6 years. (pursuant to § 99 para. 5 of the Universities Act) After the conclusion of a qualification agreement, the job holder is appointed as an **Assistant Professor**. After a positive evaluation of the qualification agreement, the position will be turned into a permanent position as **Associate Professor**. Graz University of Technology provides excellent working conditions in a lively scientific community combined with the outstanding living quality of the Graz area.

The position will be paid according to category B1 of the collective agreement for employees of Austrian universities, stipulating an initial gross salary of EUR 4,309.30 (14 x per year).

Your Application:

Interested applicants are requested to send a detailed application in electronic form, and should quote the position identification number:

- using the completely filled out application form <https://www.tugraz.at/go/professorships-vacancies/>,
- including a resume (with copies of diplomas),
- a list of publications with copies of their 5 most important publications,
- a research statement describing past and planned research activities (3 pages max.),
- a teaching statement describing past and planned teaching activities (3 pages max.) and evaluations of past teaching activities (if available),

at the latest by

September 30th, 2020
(date of email)

to the Vice Rector of Research via the Research & Technology House of the Graz University of Technology, **Horst Bischof**, E-Mail: applications.foe@tugraz.at

The interviews for the position are expected to take place in the week from November 23th, 2020. Candidates are asked to be available in this period. For further questions, please contact the head of the Field of Expertise, **Kay Römer**, E-Mail: roemer@tugraz.at

Vice Rector of Research: Horst Bischof
Position identification number: 31/R/PA/93070/20