The Graz University of Technology is seeking for interested applicants for the faculty position with a full-time permanent contract (§98 UG) at the Department of Computer Science and Biomedical Engineering.

University Professor Biomedical Imaging (f/m/d)

In Austria, the Graz University of Technology (TU Graz) is the oldest research and educational institution with a technical background (founded in 1811). Over the more than 200 years of innovative development of TU Graz, she built up a technology with tradition and a climate for rapid growth in research and studies. The university achieves top performance in its five fields of competence: Advanced Materials Science; Human and Biotechnology; Information, Communication and Computer Science; Mobility and Production; Sustainable Systems. One of its unique selling points is its openness to intensive cooperation with other national and international universities, companies and research and scientific institutions worldwide.

The Department of Computer Science and Biomedical Engineering at Graz University of Technology is an internationally highly ranked department committed to excellence in research and teaching. The department performs highly visible research in its main areas of focus: Biomedical Engineering, Safety and Security, Intelligent Systems, and Visual Computing.

“We are proud of our outstanding basic and applied research and encourage interdisciplinary projects. Moreover, our faculty fosters a close dialogue with industry and encourages and supports the creation of spin-off companies.”

Job Description

We are looking for a candidate with an excellent scientific track record to represent the field of “Biomedical Imaging” in research and teaching and complements the research strengths of other groups at the department.

The professorship will be part of the Institute for Medical Technology. This institute is equipped with a clinical high-end 3T magnetic resonance imaging (MRI) system with high-performance gradients and BioMatrix sensors - including optical motion tracking (Magnetom Vida). The infrastructure is shared within the Graz University of Technology and operated together with the Institute of Psychology of the Karl-Franzens-University Graz. Preference will be given to candidates with a research focus on in vivo magnetic resonance (MR) and/or multimodal imaging, in particular the development of new methods for diagnostic and/or experimental applications in medicine and radiology. This includes all fundamental aspects of MR signal generation and analysis as well as new measurement strategies and modern reconstruction techniques, such as those involving artificial intelligence (AI). Typical areas of interest are highly accelerated robust imaging, new functional or metabolic MRI techniques and bio-marker imaging.

The successful candidate should be able to teach all methods and aspects of biomedical imaging comprehensively, including new experimental methods and the related biomedical fundamentals in our Bachelor, Master and PhD programs in Biomedical Engineering and Computer Science, and should be a dedicated mentor for our students. Cooperation within the university and with scientists and clinical departments in “BioTechMed Graz” is expected especially in the field of neuroscience.

Requirements

- A completed university education with a doctoral degree (PhD)
- A relevant habilitation (venia docendi) or an equivalent qualification
- Excellent scientific achievements
- Integration in the international research community
- Excellent didactic skills
- Management and leadership abilities
- Excellent command of English and command of German or
- the willingness to acquire it

We also value

- International experience
Experience with acquisition of research grants and/or industrial collaboration
Gender- und diversity competence

We expect the successful candidate to transfer her or his residence to the area of Graz.

Our Offer
The advertised position is a tenured full professorship with a competitive salary. The university will provide funding for one or more PhD students and the necessary research equipment. A combination of national and European agencies provides an excellent funding landscape and ample opportunities exist to collaborate with industry.

Graz University of Technology provides excellent working conditions in a vibrant scientific community, combined with the outstanding living quality of the Graz area. We support your partner’s career through a dual career service and we assist with the relocation process.

Equal opportunity employer
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.

How to apply
Interested applicants are requested to submit by email a detailed application in English language including

- a CV including a description of research and teaching experience
- a teaching statement and a research statement (previous achievements and future perspectives)
- a list of publications including a list of the five most important publications
- copies of certificates and diplomas
- the application form available via https://www.tugraz.at/go/professorships-vacancies/

The application should be sent to the dean of the faculty of Computer Science and Biomedical Engineering using applications.csbme@tugraz.at.

For further question, please contact Gernot Müller-Putz (gernot.mueller@tugraz.at).

Important Dates
The deadline for applications is 26 November 2020.

The hearings for the professorship will take place in the week of 22 February 2021. Candidates should be available for interviews in this period.

the Dean: Roderick Bloem
www.csbme.tugraz.at