

Full Professorship of Remote Sensing

- At the Faculty of Mathematics, Physics and Geodesy / Institute of Geodesy
- Starting on October 1st 2022, permanent employment contract (according § 98 UG)
- Application Deadline: May 17, 2021



TU Graz is the most traditional technical and scientific research and educational institution in Austria. In its five areas of strength, the Fields of Expertise, TU Graz achieves top international performance and relies on intensive cooperation with other research and educational institutions as well as with business and industry worldwide. In the European higher education landscape, TU Graz is increasingly competing for the best minds and resources.

PROFILE

We are seeking a candidate with an excellent international profile in current research areas in the field of remote sensing. This includes SAR (synthetic aperture radar) -based remote sensing and optical remote sensing paired with digital image processing. To strengthen the Faculty's focus on Change Monitoring of System Earth, emphasis is placed on the complementarity of the work areas to the research activities of the existing geodesy working groups, in particular satellite geodesy and engineering geodesy. A further development of the research and teaching cooperation with the University of Graz (NAWI Graz) is also sought. We are looking for a personality with experience or great potential in the area of large-scale monitoring of geometric and radiometric changes of the earth's surface using remote sensing methods and the modelling of these changes through e.g. object-oriented classifications using modern evaluation methods such as artificial intelligence. Areas of application include processes caused or intensified by climate change such as landslides, glacier movements or large-scale subsidence due to groundwater extraction or construction activities, as well as applications of remote sensing in an urban context.

We expect that the applicant is able to cover the field to its full extent at the bachelor, master and doctoral level within the Geodesy Studies and the master studies Geospatial Technologies and Space Sciences and Earth from Space in cooperation with University of Graz within the framework of the NAWI cooperation program.

REQUIREMENTS FOR EMPLOYMENT

- A university education in a relevant subject, including a completed doctoral degree (PhD)
- An outstanding academic track record in research and teaching preferably shown by a "venia docendi" or an equivalent qualification
- Experience in the acquisition of third-party funds and the leading of research projects
- Relevant international experience
- Proven leadership skills

To ensure effective international representation of the field, excellent spoken and written competence in English is required. Fluency in German or the willingness to acquire it is also expected.

Relocation to live in the greater Graz area is required.

APPLICATION

- Submit a detailed application including the application form available at <https://www.tugraz.at/go/professorships-vacancies/>
- A C.V. (including copies of certificates and diplomas) and a description of research and teaching experience to date
- An outline of planned activities in research and teaching as well as the five most important publications, in electronic form (PDF) to bewerbungen.mpug@tugraz.at

The interviews are scheduled from October 4th 2021 to October 8th 2021, applicants are asked to keep this period free.

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. 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.

Contact

Graz University of Technology
Dean of the Faculty of Mathematics, Physics and Geodesy
Univ.-Prof. Dr. R. Würschum
Petersgasse 16, 8010 Graz
www.ifg.tugraz.at

Information on the data processing of your application can be found at www.tugraz.at/go/datenschutzinformation-pa.