

TU GRAZ - Professorship in Photogrammetry (tenure track) - Frist: 08.10.2025

The Institute of Geodesy at Graz University of Technology has an opening: Professorship in Photogrammetry (tenure track). Application deadline: 08.10.2025. Employment Start: January 2026. Contract Duration: Permanent. Hours per week: 40 h/w. ‍

Responsibilities: We are seeking a person with proven experience and expertise in the field of photogrammetry and remote sensing. The future holder of the position should have a research focus on close-range photogrammetry (e.g., using drone and terrestrial LiDAR images) and advance the research field of photogrammetry, considering computer vision and artificial intelligence methods. Air- or spaceborne methods (image-based and ALS) should also be applied. He/she should also make a substantial contribution to the existing research focuses of the Remote Sensing and Photogrammetry working group. In addition to technical and methodological development, this includes applied research in the field of climate-change-influenced processes in mountains and other application areas. Synergies with other the geodesy working groups (navigation, geoinformatics, satellite geodesy, and engineering geodesy) should be considered, as will the strategic priorities of TU Graz and the NAWI cooperation with Karl-Franzens University of Graz. Moreover, national and international collaborations beyond the Department of Geodesy should be developed. The willingness to further develop the field of photogrammetry within the Remote Sensing and Photogrammetry working group at the Institute of Geodesy is required, as well as the active participation in research projects at the institute or the relevant departments of TU Graz and the acquisition and operational management of research projects. Furthermore, a strong scientific record (publications and active participation in conferences and meetings) is expected. Photogrammetry shall be taught (in German and English) in all areas of geodesy (Bachelor's, Master's, PhD, and continuing education) and in the NAWI Graz Master's programs (including Geospatial Technologies, Space Sciences, and Earth from Space). It is expected that, in addition to fundamental principles, the latest developments and technologies (drone-based technologies, computer vision, artificial intelligence, etc.), including practical applications, will be incorporated into teaching. Furthermore, service teaching will be further expanded, thus contributing to meeting the high demand for graduates. The willingness to supervise theses and support young researchers is required, as is the willingness to accept necessary administrative tasks in research and teaching. The position is initially filled as a university assistant with a doctorate, working 40 hours per week, at the Institute of Geodesy, and expected to begin in February 2026. Upon conclusion of a qualification agreement, the position will be promoted to Assistant Professor. Upon fulfilment of the qualification agreement, the position will be converted to a permanent Associate Professor position. We offer a position in the attractive environment of the Institute of Geodesy and Graz University of Technology with varied responsibilities, flexible working hours, and international training opportunities in a collegial and friendly working

environment. Employment Requirements: Completed doctoral studies (or equivalent studies) in the field of photogrammetry and remote sensing, geodesy or related fields. Excellent qualification in research proven by scientific and subject-specific achievements, which can be demonstrated through international, peer-reviewed publications, as well as active publication activity and presentations at international and national conferences and meetings. Very good didactic skills for adequate implementation of teaching at Bachelor's and Master's level. Very good written and spoken German and English. If you do not yet have any knowledge of German, you are expected to be willing to acquire it. Selection Criteria: Profound experience (acquisition and analysis) with drone imagery and terrestrial laser scanning, as well as aerial and satellite images. Experience with and willingness to work in alpine terrain. Knowledge of computer vision and artificial intelligence. Very good knowledge of at least one programming language (e.g., Python, R, C/C++, Java). Leadership qualifications and management skills. Competencies in the areas of gender, diversity, and inclusion. Good networking within the field and visible integration into the international research landscape. Experience in supervising bachelor's and master's theses, as well as initial leadership experience or experience in leading a team. Experience in acquiring and managing third-party funded projects. Ability to work in a team and willingness to cooperate within and outside the university. We Offer: Interesting area of responsibility Collegial and friendly working atmosphere Flexible working schedule (e.g. possibility for home office, paid lunch break - depending on working hours) International training and teaching opportunities Seal of quality for in-house advancement of women Award for being the most family-friendly company in Styria 2018 Subsidy for public transport University's sports program Shopping Discounts Workplace Health Management Top research infrastructure and access to the latest technologies Exciting opportunities for professional and personal development Safe and stable working environment Company pension funds We offer an annual gross salary of at least ? 76,308.40 for a fulltime position. An overpayment based on qualification and experience is possible. Application Documents: • a CV (with copies of diplomas). a list of publications highlighting the 5 most important publications. a research statement describing past and planned research activities (4 pages max.). a teaching statement (4 pages max.) and evaluations of past teaching activities (if available). names and contact information of two references. To ensure international representation of the research group and its work, excellent spoken and written competence in English is expected. Fluency in German or the willingness to acquire it between the first 2-3 years of service is required. 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. Hearings: Presumably 26th-28th November 2025.

About us: Graz University of Technology is the longest-established university of technology in Austria. Here, successful teams of students, talented up-and-coming scientists, ambitious researchers and a lively start-up scene enjoy an inspirational environment as well as access to top-quality equipment. And all this in one of the most innovative and livable regions in Europe. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

Contact: The advertised position is to be filled at the Institute of Geodesy (ifg.tugraz.at) in the Working Group Remote Sensing and Photogrammetry. Please send any questions regarding the job advertisement to Prof. Tobias Bolch (tobias.bolch@tugraz.at)
<https://jobs.tugraz.at/en/jobs/5eb41c80-4df1-3acf-4c38-688b183ca4a8>