



The photogrammetry research unit of the Department of Geodesy and Geoinformation, TU Wien is currently looking to recruit a motivated

### **Photogrammetry/Remote Sensing PhD student (f/m)**

You enjoy working in a scientific environment at the leading edge of research in photogrammetry? You want to work with researchers towards excellent solutions to the technical problems that scientific work poses? If the answer to these questions is yes, then this job is for you!

Our group comprises about 20 staff members currently working on approximately 15 projects supported by various national and European programs, grants and funding sources.

To strengthen the research work of our team, we are looking for a skilled geo-data processing specialist with a background or interest in geospatial sciences.

#### **Your Responsibilities:**

- Processing and analysis of Lidar point clouds for 3D reconstruction of vegetation
- Processing and analysis of Sentinel-1 data for characterizing vegetation
- Developing scientific algorithms in the fields of photogrammetry and for applications in the environmental sciences
- Contribution in software development using Python or C++
- Writing technical documents, project reports and scientific journal papers

#### **Your Profile:**

- Master (or equivalent) degree in geodesy, geoinformation sciences, informatics, physical geography, mathematics, or similar
- Programming skills (Python, Matlab, C/C++, ...)
- Experience in point cloud processing and derivation of 3D models
- Experience in Sentinel-1 data processing
- Strong analytical and technical skills and problem solving capability
- Solid knowledge of statistical methods for temporal and spatial analysis of scientific data
- Good written and spoken communication skills in English

#### **We Offer:**

- The opportunity to work in an innovative, dynamic and successful team
- The salary for this (30 hours/week) position is based on the Austrian regulations for university staff for PhD positions. The monthly minimum is € 2.228,63 for a PhD. The monthly

salary is paid 14 times per year. The position will be limited to three years. Possibilities for an extension are available.

- It is expected that the candidate pursues a PhD within the PhD program of TU Wien
- Flexible working hours
- Workplace close to city center, metro and main train station
- A stimulating and friendly working environment at the department

If this job opportunity fits your career development plans, we are looking forward to receiving your application in English (cover letter, CV, publications – if available - and references) and in one single PDF file via e-mail to

[photo-sek@geo.tuwien.ac.at](mailto:photo-sek@geo.tuwien.ac.at)

Candidate selection will start on **March 15<sup>th</sup>, 2021** and will continue until a suitable candidate is found. TU Wien will not refund any cost occurred in the course of an application.

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