



The Research Unit of Photogrammetry of the Department of Geodesy and Geoinformation, TU Wien is seeking a motivated

Project Assistant (any gender) to work as a

Data Scientist in the field of high resolution EO data

You enjoy working in a scientific environment at the leading edge of research? You are interested in high resolution EO data including topographic and forest data? You want to answer scientific questions and find excellent technical solutions, embedded in a team? If the answer 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 and funding sources. The specific projects focus on using different high resolution EO data (i.e. close range remote sensing, LiDAR, UAV imagery) for forestry applications.

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

Your responsibilities:

- Improving and developing scientific algorithms for processing LiDAR data
- Optimizing workflows for large-area processing of LiDAR data
- Field measurements with close range remote sensing techniques i.e. TLS, smartphone apps
- Supporting the supervision of bachelor and master students
- Contribution in software and workflow development
- Prototyping, implementing, and testing of processing chains and generation of value-added products
- Writing scientific journal papers, technical documents and project reports

Your skills

- Master degree or PhD in geodesy, geoinformation sciences, data science, remote sensing, earth sciences, information sciences, geoinformation sciences, forestry, or similar
- Experienced in field measurements
- Experience in point cloud processing and/or 3D modeling
- Excellent programming skills (preferably Python)
- Strong analytical and technical skills and problem-solving capability
- Solid knowledge of mathematics, parameter estimation and statistical methods
- Good written and spoken communication skills in English

We Offer

- The opportunity to work in an innovative, dynamic and successful team
- A stimulating and friendly working environment at the department
- State-of-the-art IT and support staff
- Freedom to discuss and implement your own ideas
- Flexible working hours
- Workplace close to city centre, metro and main train station and ample outdoor opportunities in the vicinity of Vienna
- For PraeDocs it is expected to enroll in the PhD programme at TU Wien and to further develop and complete a PhD

The salary for this position is based on the Austrian regulations for university staff. The monthly minimum gross salary ranges between € 3.714,80 (MSc level) and € 4.932,90 (PostDoc level) for a 40h/week employment. The monthly salary is paid 14 times per year. The extent of working hours per week can be negotiated.

If this job opportunity fits your career development plans, we are looking forward to receiving your application in English (cover letter, CV, relevant publications and references) and in one single PDF file via e-mail with the subject '**EO_Forest**' to **apply@geo.tuwien.ac.at**

Candidate selection will start on **1st of April, 2025** and will continue until a suitable candidate is found. The contract will initially be limited to 2 years (with possible extensions up to 6 years). TU Wien will not refund any cost occurred in the course of an application.

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