In the Department of Civil and Environmental Engineering Sciences at TU Darmstadt, Remote Sensing and Image Analysis Lab the following position as

**Research Assistant (all genders) - Remote Sensing, Image Analysis, Processing of 3D Point Clouds**

is to be filled in a full-time employment contract initially limited to 3 years. An extension is being sought.

**Your profile:**
- Completed diploma or master's degree, ideally in geodesy and geoinformation or in computer science, electrical engineering, environmental engineering, civil engineering, physics, or comparable studies
- Ability to solve complex problems, analytical thinking skills
- Good programming skills (e.g. Python, C++)
- Good knowledge in photogrammetry and remote sensing
- At least basic knowledge in Machine Learning and/or Computer Vision, practical experience is an advantage
- Ideally experience in QGIS
- Ideally experience in processing point clouds
- Knowledge in radar remote sensing is an advantage
- Very good written and spoken German and English language skills are required.

**Your tasks:**
- Independent processing of research projects in the field of remote sensing, image analysis and photogrammetry
- Support of the field in research as well as German- and English-language teaching
- Collaboration on current projects in the field
- Development of methods for processing and automated interpretation of remote sensing data.
- Implementation of software for data processing for scientific purposes
- Writing scientific articles and presenting the results at professional conferences

The technical focus, depending on personal inclination, can be set on processing of 3D point clouds, mobile mapping, object detection and tracking in image sequences, semantic segmentation of remote sensing data, machine learning / deep learning, fusion of heterogeneous sensor data, or radar remote sensing.

**We offer you:**
- Varied and interesting spectrum of work area
- Professional and personal development in scientific and practical research projects
- Open communication, good working atmosphere in a motivated, international and interdisciplinary team
- A broad range of continuing education opportunities for professional and personal development, including health or fitness opportunities
- Modern technical equipment
- Family-friendly working conditions, work-life balance through the possibility of proportionate mobile work
- Hesse state ticket in accordance with the applicable collective bargaining provisions

Opportunity for further qualification (doctoral dissertation) is given. The fulfillment of the duties likewise enables the scientific qualifications of the candidate.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

Applications should be sent with the usual documents (CV, certificates, references) and the reference number to Prof. Dr.-Ing. Dorota Iwaszczuk, Fachbereich Bau- und Umweltwissenschaften, Franziska-Braun-Str. 7, Postfach 10 06 36, 64206 Darmstadt, preferable by E-Mail: dorota.iwaszczuk@tu-darmstadt.de.

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our privacy policy on our webpage.

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