

We are looking for a

Research Associate (m/f/d) in the area of Uncertainty Quantification

effective January 1st, 2022.

The Chair of Remote Sensing Technology is a joint appointment of the Technical University of Munich and the Remote Sensing Technology Institute of the German Aerospace Center (DLR). It engages with the development and fundamental research of computer vision and machine learning methods for automated analysis and processing of multimodal remote sensing data.

About us

The Technical University of Munich (TUM) is committed to excellence in research and teaching, interdisciplinary education, and the active promotion of promising young scientists. TUM also forges strong links with companies and scientific institutions across the world and regularly ranks among the best European universities in international rankings. The newly founded Faculty of Aerospace and Geodesy plays a central role within the high-tech agenda of the Bavarian State Government and will address current issues of urban mobility, digitization, and environmental protection and advance them with modern, strongly international, and interdisciplinary approaches in research and teaching. In cooperation with established industrial and research institutions, an internationally competitive "Space Valley" is to be created in the Munich Metropolitan Region.

Requirements

We are searching for excellently-qualified graduates with a master's degree in computer science, electrical engineering, data sciences, geoinformatics, statistics, mathematics, physics or comparable. Further, the successful candidate will show

- in-depth methodological and applied knowledge in the field of machine learning, especially deep learning,
- experiences in the area of uncertainty quantification, generative and Bayesian deep learning
- practical experience with software development in Python and common deep learning frameworks and libraries,
- experience in handling large-scale data stocks, ideally geodata,
- analytical thinking, independent and structured work, as well as willingness to cooperate with other team members, and
- good English language skills.

Tasks

You will take over research and development tasks in the BMWi-funded project "DUKE" in cooperation with the Max Planck Institute for Biogeochemistry located in Jena. Find out more on <https://www.asg.ed.tum.de/lmf/duke>.

Our offer

- A full-time position (100%) with remuneration according to TV-L E13 for initially 24 months duration with indented further extension,
- the opportunity and support to pursue a doctoral degree at one of the most renowned universities in Europe with international exchange and direct practical relevance through cooperation with partners, and
- a dynamic working environment in a young, interdisciplinary, research-interested, curiosity-driven team.

Application

We look forward to receiving your application documents (cover letter, curriculum vitae, study certificates, etc.) by e-mail until October 17th, 2021 to apply@lmf.lrg.tum.de. Please add the keyword "DUKE" to your subject. Applica-

tion documents sent by post will not be returned after the procedure is completed. If you have any questions regarding the position, please contact PD Dr. Marco Körner (marco.koerner@tum.de).¹

TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. Applications from disabled persons with essentially the same qualifications will be given preference. In principle, the position can also be filled on a part-time basis.

Technical University of Munich

TUM School of Engineering and Design

Department of Aerospace and Geodesy

Chair of Remote Sensing Technology

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¹ Data Protection Information: As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application you confirm to have read and understood the data protection information provided by TUM.