Lehrstuhl für Zerstörungsfreie Prüfung
TUM School of Engineering and Design
Technische Universität München

Our team is looking for a

Student Assistant (m/f/d) – Radar and Ultrasound Simulation

About us

The Chair of Non-Destructive Testing (website) is devoted to research and teaching in the field of material characterization using non-destructive testing methods. The focus of the chair includes the testing of newly developed materials and the use of machine learning methods to process complex data sets. The focus is on techniques such as ultrasound, radar, computed tomography, acoustic emission analysis, and infrared thermography. Industry-wise, the focus is on cooperation with companies from the automotive, aeronautic, and energy sectors. Our main location is in Garching near Munich.

Your Tasks
- Conducting and analyzing radar and ultrasound simulations
- Validating simulations through comparison with real-world data
- Assisting in radar and ultrasound measurements
- Engaging in scientific research activities
- Supporting the preparation of teaching materials

Your Profile
- Solid PC and programming skills (Python required)
- Ideally, experience with wave simulations
- Bachelor's degree in Engineering, Mathematics, Physics, or a related field
- Strong command of English (German not required)

What We Offer
- Active involvement in a current research project (CT of bridges)
- Flexible working hours

This position is available immediately and requires a **minimum commitment of 8 working hours per week**. Working at our chair offers excellent professional development opportunities — it is the ideal preparation for upcoming lectures or thesis work at the chair of Non-destructive Testing.

If you are interested or have any questions, feel free to contact me directly.

Contact Information:

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