

Research associate position in the field of **channel sounding for THz frequencies**.

The Electronic Measurement and Signal Processing Group EMS of Technische Universität Ilmenau (Ilmenau University of Technology, Germany) invites for applications.

Project: METREACOM: Metrology for THz Communications

The project is granted by the German Science Foundation (Deutsche Forschungsgemeinschaft, DFG).

The start date is flexible from September to December 2019 and the duration is limited to 3 years. The position is fully paid in accordance to the German regulation TV-L E13.

We are looking for candidates with MSc degree in electrical engineering or similar (including physics). The willingness to obtain the doctoral degree (Dr.-Ing.) while working with EMS is highly appreciated and will be supported.

METREACOM is a multi-university research unit (Forschungsgruppe). The research goal at TU Ilmenau is the design, calibration, and metrological evaluation of ultra-wideband directional sounding systems in the THz-frequency range from approx. 200...300 GHz. The system shall be applied to multipath propagation studies, THz radio link performance prediction, and testing of phased array radio interfaces.

We expect candidates with basic knowledge in RF and Communications. They should have advanced background in wireless propagation, parameter estimation, and signal processing as well as in RF system design. Some hands-on experience in millimeter wave/THz measurement would be welcome.

We expect excellent oral/written communication in English. We do not require a German language test degree. However, some knowledge of German would be preferable.

The link to the official position announcement (in German) can be found here:
<https://jobundkarriere.tu-ilmenau.de/jobposting/785af70dad1f53449e62fcd2b65150ef90ed7fff>

Applications are expected as soon as possible.

You can either apply under the link mentioned above or you can send your material (including degrees, CV, transcripts, most relevant publications, and a letter describing your interest and visions for this position and research topic) via email to:
reiner.thomae@tu-ilmenau.de.

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