

Research associate position in the field of
High Resolution Parameter Estimation for Millimeter Wave Propagation in Dynamic Scenarios

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

Project: HoPaDyn

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

The earliest possible start date is July 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.

The research goal is the design and experimental verification of high-resolution parameter estimation in the joint delay-Doppler-angular domain. Special focus is put on processing of wideband signals in dynamically changing environments, preferably in frequency bands around 30...40 GHz.

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/mmW system design. Some hands-on experience in millimeter wave 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/163cdf96a5624a7c07fe74976459241ee1fb01b6>

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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