



The Institut für Kommunikationstechnik (IKT) invites applications for the position of a

Research Assistant (m/f/d) in the division of communications systems (Salary Scale 13 TV-L, 100 %)

starting at the 1st of April in 2023. The position is initially limited to three years and includes the opportunity of graduating with a doctoral degree.

Scope of work

- Collaboration in an international research project with industrial partners in the field of communication technology
- Implementation of wireless transmission schemes for 5G and 6G as Software Defined Radio (e.g. GNU Radio, Matlab)
- Implementation of OFDM and related algorithms (e.g. MIMO, beamforming, synchronization)
- Link-level and system-level simulations of the 5G transmission standards NR and DECT-2020 NR

Qualifications

You have completed a scientific university degree in the field of electrical engineering, computer science, mathematics or physics with a master's degree. Profound knowledge of signal processing theory as well as aspects of practical implementation is expected, additional knowledge of wireless technologies such as Wi-Fi or Bluetooth as well as basic knowledge of mobile radio standards (e.g. LTE) are preferable. Experience with software development in Matlab, Python or C/C++ are also preferable. Good communication skills in German and English, both oral and written, are required.

We offer a supportive environment with an interdisciplinary, internationally visible research group that has already done extensive scientific work in the field. We enable you to take over responsibility for a scientific project, to participate in international conferences, to do academic teaching and to improve your scientific and personal skills while getting excellent support from us.

Leibniz University Hannover considers itself a family-friendly university and therefore promotes a balance between work and family responsibilities. Part-time employment can be arranged upon request.

The university aims to promote equality between women and men. For this purpose, the university strives to reduce under-representation in areas where a certain gender is under-represented. Women are under-represented in the salary scale of the advertised position. Therefore, qualified women are encouraged to apply. Moreover, we welcome applications from qualified men. Preference will be given to equally-qualified applicants with disabilities.

For further information, please contact Dr.-Ing. Stephan Preihs (Phone: +49 511 762-2819, Email: preihs@ikt.uni-hannover.de).



Leibniz
Universität
Hannover

Please send your application as soon as possible but not later than 28th of February 2023 electronically to the email-address mentioned above or by mail to:

Gottfried Wilhelm Leibniz Universität Hannover

Institut für Kommunikationstechnik

Appelstr. 9A

30167 Hannover

<http://www.uni-hannover.de/jobs>

Information on the collection of personal data according to article 13 GDPR can be found at <https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/>.