



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen

Part time employment may be possible

Faculty IV - Institute of Telecommunication Systems/ Communication and Information Theory (CommIT)

Reference number: IV-21/25 (starting at the earliest possible / until 31/01/27 / closing date for applications 21/02/25)

Working field:

The selected Research Assistant will have opportunities to work in an enriching interdisciplinary environment, with significant potential for broad impact in terms of technology development, industry involvement, and educational initiatives. The candidate is expected to develop an independent research program around the topics of interest in the CommIT chair (Prof. Caire), focused on 6G-oriented research, advanced wireless communications, massive/holographic MIMO, cell-free networks, integrated sensing and communications (ISAC), mathematics and algorithms for inverse scattering and computational RF imaging. Research also focuses on deep learning methods applied to communication, channel and source coding, and statistical signal processing problems. Possibility of preparing a PhD thesis.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in a field related to Science of Information, for example: Information Theory, Communication Systems and Networks, Channel Coding, Source Coding, Statistical Signal Processing, Machine Learning, Communication/Computer Networking, Convex/Combinatorial Optimization, Graph Theory and Stochastic Geometry, Deep Learning methods and algorithms
- Candidates must have a professional background and preferably some already published work in one or more areas related to the research agenda of the Chair
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

Please send your application with the **reference number** (ID) and the usual documents (summarized in one PDF document):

- a curriculum vitae, stating clearly and precisely their education, history, earned degrees and previous academic institutions,
- letters of recommendation from academic advisors, MS thesis supervisors, academic instructors,
- published research work, including MS thesis in electronic form,
- a letter of motivation and purpose,
- final grade transcripts with certified translation in English or German if the original documents are in a different language.

only by e-mail to: jana.hantke@tu-berlin.de

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät IV, Institut für Telekommunikationssysteme, Prof. Caire, Sekr. HFT 6, Einsteinufer 25, 10587 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

