



At the Chair of Communication Networks (Lehrstuhl für Kommunikationsnetze, LKN) in the Department of Electrical and Computer Engineering of the Technische Universität München (TUM) positions are available as

Member of the research and teaching staff with the possibility to obtain a PhD

in the area of

Security in 5G / 6G Radio Access Networks

In particular, in a planned research project starting in February 2022 as part of the chairs 6G research initiative together with domain experts, the following topics are going to be addressed

- Investigation of security challenges and possible attack possibilities for 5G and 6G systems
- Development of potential solution mechanisms and their evaluation
- Trade-off analysis of security mechanisms and system performance

At LKN, we have an experimental platform consisting of a full end-to-end implementation of a 5G / 6G mobile communication system including UEs, RAN and core network (local campus networks).

The successful applicant is expected to participate actively in research and teaching activities of the chair. The chair offers a team-oriented, motivating work atmosphere, allowing concentrating on challenging research questions.

The positions are based on full-time work contracts limited to three years initially. Remuneration is according to the *Tarifvertrag für den öffentlichen Dienst der Länder (TV-L)*.

Applicants should have an excellent Master of Science degree in Electrical Engineering, Computer Engineering or Informatics and they should have a solid knowledge in the area of communication networks suitable to start research in the above areas.

The candidates are expected to have very good communication skills in English and in German as well as solid programming skills. Enthusiasm, the desire for obtaining a PhD degree, creativity and team-orientation are essential.

As part of the Excellence Initiative of the German federal and state governments, TUM has been pursuing the strategic goal of substantially increasing the diversity of its faculty. As an equal opportunity and affirmative action employer, TUM explicitly encourages nominations of and applications from women as well as from all others who would bring additional diversity dimensions to the university's research and teaching strategies. Preference will be given to disabled candidates with essentially the same qualifications.

Interested candidates are asked to send their complete application documents (application letter, CV, summary of master thesis, certificates, list of publications, references) referring to this job offer in electronic form to the following email address: positions@lkn.ei.tum.de

or via post to: Technische Universität München
Lehrstuhl für Kommunikationsnetze
Prof. Dr.-Ing. Wolfgang Kellerer
D-80333 München
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In case of questions, please do not hesitate to contact us:
Prof. Dr.-Ing. Wolfgang Kellerer (wolfgang.kellerer@tum.de)