

Post-doc position (Wissenschaftlicher Mitarbeiter, E13, 2 up to 6 years)

## Mobile Networked Systems

At the Chair of Connected Mobility, we explore fundamental research directions for distributed systems to support mobile users and their manifold devices. This specifically includes flavors of mobile computing, edge computing, and in-network computing (the boundaries of which are fuzzy anyway). Our focus is on system design, virtualization and security mechanisms for executing applications, managing resource utilization and orchestration, along with networking-related aspects (such as enabling network, transport and application layer protocols). We emphasize decentralized systems and privacy protection and isolation by-design. We envisage diverse application contexts, ranging from pervasive services for mobile users to automated vehicles to remotely controlled drones to IoT in industrial, office, and home settings. We carry out extensive measurements and modeling to provide foundations for our design choices and derive real-world inspiration from close industry collaboration and Internet standardization to which we also contribute.

The position benefits from two related 6G projects – 6G FutureLab Bavaria and 6G Life – in which we are exploring different facets of edge computing for the future 6G network architecture.

### Your qualifications

- Doctoral degree in Computer Science or Electrical Engineering
- Strong background in networking and systems with solid coding skills
- Mathematical background for modeling and analytics
- Openness for collaboration within our research group, inside our projects, and beyond
- Curiosity and creativity to explore new research directions
- Proficient English skills

### Your ambition

- Defining and evolving future directions in mobile networked systems
- Excellence in research
- Developing a teaching portfolio
- Mentoring undergraduate and graduate students
- Devising new project ideas and contributing to/taking responsibility for grant proposal applications
- Managing research projects
- Growing as an independent researcher

### Our offer

- Full-time position, with payment according to the Collective Agreement for the Civil Service of the Länder (TV-L) E13, for initially two, up to six years
- Open-minded research environment with numerous complementary projects on challenging topics and manifold cooperation opportunities
- Network of national and international partners (in academia and industry) for cooperation and research exchanges
- Inspiring working atmosphere in one of the leading informatics departments in Europe

TUM is an equal opportunity employer and strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. Applications from disabled persons with essentially the same qualifications will be given preference.

### Application

We accept applications until the position is filled. Please send your applications with the usual material (motivation letter, CV, certificates, possibly publications) as a single PDF to the email address indicated below.

### Technische Universität München

Department of Informatics  
Chair of Connected Mobility  
Prof. Dr.-Ing. Jörg Ott  
ott@in.tum.de  
www.cm.in.tum.de