TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Computer Science, Institute of Applied Computer Science**, the **Chair of Networked Systems Modeling** offers a position as

**Research Associate / PhD Student (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **earliest possible date**. The position is limited to 3 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The position aims at obtaining further academic qualification (usually PhD).

**Tasks:** As a researcher of our chair you will work on tasks in the context of design and performance evaluation of approaches for networked, potentially highly mobile systems, communicating insights to colleagues, students, and the general public. Currently in our focus are application fields like cooperative autonomous driving and flying, where we pursue approaches far beyond autonomous platoons of trucks or autonomous delivery drones for smart cities. Build or extend your professional network with research and industry partners in this domain, gain valuable project experience, and shape the future of our society with us!

**Requirements:** university degree (typically master's or diploma) in a field of computer science, information systems engineering, electrical engineering, or closely related fields with outstanding achievements; profound knowledge in computer networks, especially wireless networks or their simulation; ideally a background in the co-simulation of communication, ground mobility, and aerial mobility; solid programming skills in a high-level language such as C++ or Python; full business fluency in English; willingness for lifelong learning and excellent teamwork skills. Experience in conducting research is a plus.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents and using the **subject “Job application / 16 Oct 2023”** by October 16, 2023 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf file of no more than 10 MB to christoph.sommer@tu-dresden.de or to: TU Dresden, Fakultät Informatik, Institut für
Angewandte Informatik, Professur für Prozessmodellierung für vernetzte technische Systeme, Herrn Prof. Dr.-Ing. Christoph Sommer, Helmholtzstr. 10, 01069 Dresden, Germany. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.