

Technische Universität Dresden (TUD), 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 Systems Architecture**, the **Junior Professorship in Computer Science, specifically Tactile Computing** offers for the Cluster of Excellence **Centre for Tactile Internet with Human-in-the-Loop (CeTI)** 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 **as soon as possible**. The position is limited until December 31, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD). Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

The Junior Professorship in Computer Science, specifically Tactile Computing conducts research in the fields of model-based design, quality assurance and explainability of intelligent cyber-physical systems and self-adaptive systems. In particular, new algorithms and models will be developed to enable optimal and safe human-machine collaboration through mutual adaptation: systems should adapt to humans and situations, and provide appropriate explanations to enable users to assess and adapt to the system behaviour. Please visit for more details on the Cluster of Excellence CeTI, www.ceti.one.

Tasks:

- research in at least one of the above areas
- development of case studies
- publication and presentation of results at international conferences
- close cooperation with academic and, if applicable, industrial partners
- project-related supervision of student theses.

Requirements: university degree (Dipl., M.Sc.) in computer science, mathematics or a related discipline; knowledge of at least one of the above-mentioned research areas and their theoretical foundations; good English skills and very good scientific writing skills; structured, reliable and independent working.

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 comprehensive application including the usual documents (cover letter, CV, official transcript of coursework and grades) by **April 14, 2023** (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal

<https://securemail.tu-dresden.de> by sending it as a single pdf document to verena.kloes@tu-dresden.de or to: **TU Dresden, Fakultät Informatik, Institut für Systemarchitektur, Juniorprofessur für Informatik, insbesondere Tactile Computing, Frau Jun.-Prof. Dr.-Ing. Klös, 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.

DRESDEN
concept



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>.