Technische Universität Dresden as a University of Excellence is one of the leading universities in Germany, and is ranked among the 100 most innovative universities worldwide. Its distinguishing feature is a strong focus on research as well as its diversified offer of 124 courses of study in Engineering Sciences, Natural Sciences, Environmental Sciences Humanities & Social Sciences and Medicine. It pursues a long-term overall development program aimed at making TU Dresden an international top university.

At the Faculty of Computer Science, the Institute of Systems Architecture, for the Cluster of Excellence “Centre for Tactile Internet with Human-in-the-Loop” (CeTI), invites applications for a

Junior Professorship (W1) in Computer Science, specifically Tactile Computing

with a four-year contract, to be filled at the earliest possible date.

Following a positive interim evaluation, the contract will be extended to a total of six years. Evaluation criteria mutually agreed upon when the position is accepted will form the basis of the evaluation procedure. Key performance criteria are scientific success in the form of the development of an independent research profile for Tactile Computing, its implementation in third-party funded projects and publications, furthermore the significant participation in internationally peer-reviewed publications and international conferences, success in the acquisition of third-party funding, active cooperation in the Cluster of Excellence CeTI as well as positively evaluated teaching performance.

In the context of the "Internet of Skills," you investigate together with CeTI partners from the Faculty of Psychology and the Faculty of Electrical and Computer Engineering how low latency haptic feedback can be used in the tactile internet for skills learning. We expect prior work in one or more of the following research areas: in visual computing (e.g. haptic interaction, immersive collaboration, real-time pose estimation and tracking); in data security (e.g. low latency cryptography, confidential computing); in software engineering (e.g. self-adaptive systems, software architectures); in distributed systems (e.g. fog, edge or mobile computing, haptic control systems); in robotics (e.g. fog robotics or tele-robotics). Besides the active participation in the area "Internet of Skills" of the Cluster of Excellence CeTI, we expect you to collaborate closely with the other institutes at the Faculty of Computer Science, the Institute of Communication Technology at the Faculty of Electrical and Computer Engineering, the Chair of Industrial Design Engineering at the Faculty of Mechanical Science and Engineering as well as the chairs of the Faculty of Psychology in CeTI. A collaboration with the Competence Center ScaDS.AI Dresden/Leipzig is possible.

We are seeking a scientifically distinguished person who is passionate about working with graduate students, training the next generation of researchers and covering research and teaching in one or more of the above-mentioned research areas with application in Tactile Computing. To this end, you should prove software engineering experience, international publications as well as experience in the independent acquisition and management of research projects in the above-mentioned research fields. Your duties include the active participation in academic self-administration. Applicants must fulfil the employment qualification requirements of § 63 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (SächsHSFG).
For further questions, please contact the Dean of the Faculty of Computer Science, Prof. Dr. Uwe Aßmann, tel. +49 351 463-38215, email: uwe.assmann@tu-dresden.de.

TU Dresden offers a program that is tailored towards the specific needs of junior professors. Junior professors will find network meetings, mentoring programs and also training packages and individual coaching particularly helpful. For further information, please go to: https://tu-dresden.de/forschung/wissenschaftlicher-nachwuchs/nach-der-promotion/juniorprofessur?set_language=en

TU Dresden seeks to employ more female professors. Hence, we particularly encourage women to apply. Applications from candidates with disabilities or those requiring additional support are very welcome as well. The University is a certified family-friendly university and offers a Dual Career Service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Computer Science (Dr.-Ing. Iris Braun, tel. +49 351 463-38063) or the Representative of Employees with Disabilities (Roberto Lemmrich, tel. +49 351 463-33175).

Please submit your application, including a resume in tabular form, a description of your scientific career, a list of your scientific publications and a list of courses taught, results of evaluations (preferably of the last three years) as well as a certified copy of the certificate of your highest academic degree by September 15, 2021 (stamped arrival date of the university central mail service applies) to: TU Dresden, Dekan der Fakultät Informatik, Herrn Prof. Dr. rer. nat. Uwe Aßmann, Helmholtzstr. 10, 01069 Dresden and in electronic form (CD, USB flash drive or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it to dekan.inf@tu-dresden.de).

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