Dresden University of Technology

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. 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 Software and Multimedia Technology**, the **Chair of Multimedia Technology** within the **Cluster of Excellence "Centre for Tactile Internet with Human-in-the-Loop" (CeTI)** offers a project position as

Junior Research Group Leader (m/f/x)
in Human-Robot Interaction (HRI)

(subject to personal qualification employees are remunerated according to salary group E 14 TV-L)

starting at the **earliest possible date**. The position is limited until December 31, 2032. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

In this position, you will become a member of the Faculty of Computer Science at TU Dresden and of CeTI, one of the national Clusters of Excellence funded by the German Research Foundation (DFG). Together with CeTI partners from computer science, psychology, and electrical engineering, you will conduct cutting-edge interdisciplinary research to advance the scientific field of human-robot interaction in the context of the Tactile Internet.

In addition, the "TUD Young Investigator" status may be awarded if the requirements are met. For more information, please visit https://tu-dresden.de/forschung-transfer/wissenschaftlicher-nachwuchs/nach-der-promotion/tud-young-investigators.

Tasks:

- establishment and leadership of an independent junior research group
- research strategy for the junior research group, including the conception, coordination, development and implementation of an overall strategy within the research area of human-robot interaction
- conducting independent and cutting-edge research in human-robot interaction with a clear computer science focus in one or more of the areas listed below
- acquisition and management of national and international third-party funded projects
- supervision of early-stage researchers in computer science-related topics
- publication of research results in high-ranking, internationally recognized conferences and journals
- presentation of research findings at international conferences
- active interdisciplinary collaboration with other researchers within CeTI

Requirements: We expect proven expertise in at least one of the following research areas:

- interaction with humanoid robots and their applications
- HRI in routine tasks and everyday environments, e.g., haptic interaction in industry, manufacturing, workshops, gastronomy, education, healthcare, or surgery
- human control of and interaction with autonomous mobility systems
- HRI in immersive and remote environments, including telepresence with robot avatars, tele-robotics, and tele-cobotics, e.g., for maintenance and hazardous scenarios or in remote areas (earth, air, space)
- social interaction, emotionality, understanding, and empathy in human-robot collaboration, e.g., in care, entertainment, and social media in the metaverse
- qualitative and quantitative empirical studies analyzing usability and user experience in human-robot interaction

All areas relate to interaction with single robots, modular robots, multi-robot systems, or robot swarms.

Additional Requirements:

- university degree in computer science or a closely related field
- a very good doctoral degree (PhD) in computer science or a closely related discipline
- strong international publication record in the above-mentioned research areas
- enthusiasm for supervising early-stage researchers and educating the next generation of scientists
- independent, structured, and collaborative working style
- very good command of English, both written and spoken

In addition to active participation and interdisciplinary research within the CeTI Cluster of Excellence, close collaboration with other institutes of the Faculty of Computer Science is expected.

We offer:

- a responsible leadership position with a high degree of creative freedom
- excellent opportunities for developing an academic profile and career within computer science
- an outstanding international research environment with opportunities for interdisciplinary collaboration
- family-friendly working conditions

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. 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.

Application: Please submit your detailed application with the usual documents by **June 4, 2026** (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 by sending it as a single pdf file to **berufung.inf@tu-dresden.de** or to:

TU Dresden, Faculty of Computer Science, Prof. Dr. Raimund Dachselt, 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.

TUD is a founding partner in the DRESDEN-concept alliance.

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.