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. 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.

The **Faculty of Psychology** and the **Cluster of Excellence Centre for Tactile Internet with Human-in-the-Loop (CeTI)** offer a position as

Research Associate (m/f/x)

for Research Area - Human

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

starting **as soon as possible.** The position is limited for three years. 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 (usually PhD / habilitation thesis).

Tasks: The successful candidate will contribute to one or more of the following focus areas:

- Human-Centered Design and Interaction: advance understanding of human sensory perception, trust, and usability to create inclusive, adaptive, and transparent human-machine systems.
- Scene Understanding in Virtual Environments: develop and study virtual and mixed-reality systems that enhance human interaction, learning, and emotional engagement through multisensory integration and scene understanding.
- Predictive and Adaptive Systems: leverage multimodal data to predict human intent, improve action recognition, and enable seamless collaboration between humans and machines.
- Long-Term Human-Technology Evolution: investigate the longitudinal impact of human-technology interaction on learning, behavior, and inclusivity, ensuring accessibility and adaptability across diverse demographics.

Requirements:

- university degree (diploma/master) and, if applicable, a PhD degree in psychology, cognitive neuroscience, cognitive science, or related fields
- demonstrated expertise in one or more of the defined focus areas
- strong analytical and problem-solving skills, with experience in experimental design, data analysis, or computational modeling
- strong communication skills, both written and verbal in English
- ability to work both independently and collaboratively in an interdisciplinary team
- commitment to responsible research and innovation, including ethical considerations and inclusivity

We offer:

- an international and interdisciplinary team
- an open and innovative working atmosphere
- the opportunity to actively shape your work environment and contribute your own ideas
- flexible working hours and support in balancing work and family life
- comprehensive training and professional development opportunities
- a job ticket (public transportation pass)

For content-related questions, please contact Dr. Evelyn Muschter, evelyn.muschter@tu-dresden.de.

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 (including cover letter, CV, certificates and a 2-3 page research statement that outlines your vision for contributing to one or more of the focus areas) by **April 6, 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 with the **reference "Research Associate Area Human"** to **recruiting.ceti@tu-dresden.de** or to:

TU Dresden, Cluster of Excellence CeTI, Frau Dr. Evelyn Muschter, 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.