

Technische Universität Dresden (TUD) is one of the leading and most dynamic research institutions in Germany. As a University of Excellence, it is a globally oriented, regionally anchored top university. TUD focuses on the grand challenges of the 21st century by developing innovative solutions for some of 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 Psychology, Institute of Educational and Developmental Psychology**, the **Chair of Psychology of Learning and Instruction** offers for the **Centre for Tactile Internet with Human-in-the-Loop (CeTI)** a position as

Research Associate / Postdoc for skill acquisition and learning (m/f/x)

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

starting **May,01 2023**. The position is initially 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 / habilitation thesis).

Topic: Skill acquisition and learning with CeTI technologies (Research rooms TP1 "Human-in-the-Loop" and U3 "Internet of Skills")

Tasks: One of CeTI's research aims is to augment human perception and action with new real-time sensor/actuator technologies in order to promote skill acquisition. U3 is building demonstrators aimed at promoting sensory-motor skill acquisition and action with new real-time sensor/actuator technologies. Your tasks will be to conduct (i) multisensory behavioural experiments together with other CeTI-teams (e.g. TP1, TP2, U1), as well as (ii) design-based research in U3 in order to investigate the benefits and constraints of using sensor/actuator and augmented reality technologies for promoting sensory-motor skill acquisition.

Requirements: We are looking for a candidate with a PhD degree in psychology, sports and exercise sciences, human factor/medical engineering, or related fields who has expertise in psychophysical research of technology-enhanced sensory-motor learning and control, as well as experiences in collecting and analysing data with motion capture technologies. In the framework of the ambitious and highly interdisciplinary CeTI (www.ceti.one), we are seeking a researcher enthusiastic about applying and developing theoretical and methodological insights of psychological research on skill acquisition and (motor) learning to the field of human-cyber-physical systems. Team spirit and collaboration will be essential for the project. Interests and prior experiences in cognitive neuroscience methods and/or human technology interactions would be 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 comprehensive application including the usual documents by **March 31, 2023** with the reference „CeTI-position_Narciss_3“ in the subject header, preferably via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf-document to sekretariat_psychlehlern@mailbox.tu-dresden.de. Interviews will be conducted online if necessary.

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>.

