

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.

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 (m/f/x)
for Research room C1- Human skills and learning**

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

starting **April 1, 2026**. The position is initially limited until December 31, 2028. 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 habilitation thesis).

Topic: Examining the effects of attentional focus and learning strategies on sensorimotor performance and learning outcomes (Research room C1 "Human Skills and Learning")

Tasks: One of CeTI's research aims is to design innovative technologies that support human skill acquisition by augmenting human perception and action with new real-time sensor/actuator technologies. Understanding how attentional focus and learning strategies affect learning outcomes is essential for advancing theories of human learning and designing TaHIL-devices that do not only assist performance, but also promote skill acquisition in terms of learning. Your tasks will include to conduct (i) a systematic review on the state-of-the art concerning the effects of attentional focus on sensorimotor performance and learning, (ii) multisensory behavioral experiments together with other CeTI-teams (M1, F1), as well as (iii) design-based research together with the U-Rooms in order to investigate the benefits and constraints of using sensor/actuator and augmented reality technologies for promoting sensory-motor performance and/or skill acquisition.

Requirements:

- a university (e. g. MA) and a PhD degree in psychology, sports and exercise sciences, human factor/medical engineering, or related fields
- expertise in psychophysical research of technology-enhanced sensory-motor learning and control
- experiences in collecting and analyzing 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 interdisciplinary collaboration skills 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. 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 detailed application with the usual documents by **February 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 „**CeTI-position_Narciss**“ to sekretariat_psychlehrlern@mailbox.tu-dresden.de or to:

TU Dresden, Professur für Psychologie des Lehrens und Lernens, Karolina Schlick, 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.



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>.