

Faculty of Psychology

The **Institute of Educational and Developmental Psychology, Chair of Psychology of Learning and Instruction** (https://tu-dresden.de/mn/psychologie/ipep/lehrlern?set_language=en) is searching for a

Research Associate / Postdoc

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

through the newly funded Cluster of Excellence "Tactile Internet with Human-in-the-Loop" (CeTI) (<https://www.ceti.one/>). In the framework of the ambitious and highly interdisciplinary Cluster of Excellence „Centre for Tactile Internet with Human-in-the-Loop“ (CeTI), we are seeking a researcher, starting as soon as possible, 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. The position is available at least until March 31st, 2022. 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. 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 will build demonstrators aimed at promoting sensory-motor skill acquisition action with new real-time sensor/actuator technologies. Your tasks will be to conduct (a) multisensory behavioural experiments together with the TP1 team, as well as (b) 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 university and 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 motion capture technologies. Interests and prior experiences in cognitive neuroscience methods and/or human technology interactions would be a plus. Team spirit and collaboration will be essential for the project.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documentation by **April 30th, 2019** (stamped arrival date of the university central mail service applies) with the reference „**CeTI-position_Narciss_1**“ in the subject header preferably S/MIME encrypted by sending it as a pdf document to positions@ceti.one or by mail to: **TU Dresden, Sprecher des Exzellenzclusters CeTI, Herrn Prof. Frank H. P. Fitzek, Helmholtzstr. 10, 01069 Dresden, Germany.**



Please submit copies only as your application documents will not be returned. Expenses incurred in attending interviews cannot be reimbursed.

We look forward to your application!