

Technische Universität Dresden (TUD), 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 Electrical and Computer Engineering, Institute of Acoustics and Speech Communication, Chair of Acoustics and Haptics**, the **6G-life Research-Hub „Digital transformation and sovereignty of future communication networks“** offers a project position as

Research Associate / Postdoc (m/f/x)

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

starting **as soon as possible**. The position is initially limited until August 14, 2025. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Tasks: The project is part of the 6G-life Research-Hub and has as its primary aim to investigate the role of social touch in the digitalized world. The successful applicant will work with an interdisciplinary and international team to explore the neural correlates of social touch and how these can be classified via machine learning algorithms. These approaches will be used to detail age and individual specific differences in the processing and perception of social touch. The work undertaken will take the form of online and lab-based experiments making use of a combination of virtual reality, psychophysics, subjective reports and neuroimaging (e.g. FNIRS). Additionally, through the rich network of the CeTI cluster, the post-doctoral researcher will work with the engineering department in the development of new social touch sensor technology. Successful results will be published in the form of journal articles and conference proceedings. Significant findings will be reported in books and monographs.

Requirements: university and PhD degree in psychology or cognitive neuroscience; experience of independently carrying out and publishing empirical research; experience in acquiring and analysing neuroimaging data (e.g. EEG or FNIRS); good knowledge of experimental design, statistics and data analysis; a strong command of computer programming (R, Python) is highly desirable; an interest in interdisciplinary projects; knowledge of German language is not mandatory.

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.

More details about the 6G-life Research-Hub are given under www.6g-life.de.

Please submit your application documents until **February 15, 2023** (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf document to

recruitment.6glife@tu-dresden.de or to: **TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Akustik und Sprachkommunikation, Professur für Akustik und Haptik, Frau Jun.-Prof. Merle Fairhurst, Helmholtzstr. 10, 01069 Dresden.** Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.



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