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, the Chair of Acoustic and Haptic Engineering associated with the Cluster of Excellence “Centre for Tactile Internet with Human-in-the-Loop” (CeTI) https://www.ceti.one offers a position as

**Research Associate / Junior Research Group Leader for Applications of Smart Materials to Haptics for Human–Computer Interaction (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 14 TV-L)

starting at the **next possible date**. The position is limited initially for 3 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The Cluster of Excellence CeTI and the TU Dresden offer an excellent scientific infrastructure and an ideal environment for interdisciplinary cooperation.

**Tasks:** The work includes research activities in the fields of smart materials, haptic actuator and sensor solutions, human–computer interaction. The advertised junior research group leader should bridge the gap and establish new links between material science and human–computer interaction (HCI). Special emphasis can be placed on advanced materials for haptic actuator and sensor applications, shape-adaptive interactive systems, organic user interfaces, or morphing materials for HCI. The field is highly interdisciplinary and crucial for enhancing human-machine collaboration.

**Requirements:** above-average university degree and PhD degree related to the field of smart materials and/or haptics; experience in the field of smart material applications for human–computer interaction; high motivation and independent as well as scientific working style; open-mindedness for interdisciplinary cooperation and good English skills. Candidates who can communicate fluently in both English and German are preferred for employment. Experience, possibly PhD, in the field of haptic actuators and sensors is an advantage.

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 **October 16, 2023** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Akustik und Sprachkommunikation, Professur für Akustik und Haptik, Herrn Prof. Ercan Altinsoy, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf-document to [ercan.altinsoy@tu-dresden.de](mailto:ercan.altinsoy@tu-dresden.de). Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

**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](https://tu-dresden.de/karriere/datenschutzhinweis).