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 offers a position as Research Associate (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting at the next possible date. The position comprises 75 % of the fulltime weekly hours. The position is limited until August 14, 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).

Tasks: The work includes research activities in the field of multimodal interaction, vehicle acoustics and/or psychoacoustics. The exact research topic will be jointly determined depending on the applicant’s interests and skills.

For example, one objective could be the development of perception-based measurement methods for sound and vibration in motor vehicles. This may involve perceptual experiments, modeling studies, and/or measurements. For perceptual experiments, an immersive audio playback system (wave field synthesis) as well as a motion simulator (hexapod) in a multimodal laboratory environment can be used, among other things. Furthermore, powerful measurement technology, e.g. an array of 3D Microflown sound intensity probes, is available. The obtained results will be presented and published in meetings, at conferences and in the form of scientific papers.

Requirements: Above-average university degree and -if applicable - PhD degree related to the field of acoustics; sound knowledge and experience in the field of acoustics; 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. Experience, possibly PhD, in the field of multimodal interaction, vehicle acoustics and psychoacoustics 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 December 1, 2022 (stamped arrival date of the university central mail service 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 by sending it as a single pdf-document to 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.