

Faculty of Electrical and Computer Engineering

At the **Institute of Acoustics and Speech Communication**, the **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 (m/f/x)

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

starting **as soon as possible**. The positions are initially limited until August 14, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The positions offer the chance to obtain further academic qualification (e.g. PhD).

Task: The research activity aims to innovate and fabricate novel wearable devices for haptics, involving tactile sensing and feedback. Main responsibilities: design and fabricate wearable electronics for multi-channel sensing and wireless data streaming, collect and analyze data measured with the device, demonstrate applications in VR scenes, publish the results in suitable journal articles and conference proceedings.

Requirements: university degree (Diploma/Master) in electrical engineering, computer engineering or other related fields; experiences in electronic prototyping, PCB design, embedded system; strong hand-on and problem-solving skills; high motivation and autonomous and scientific working style; open-mindedness for interdisciplinary collaboration; very good English skills, experiences in wearable design and data analysis are desired, knowledge of a game engine is a plus.

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

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

Please submit your application documents until **October 10, 2022** (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 yitian.shao@tu-dresden.de or to: **TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Akustik und Sprachkommunikation, Professur für Akustik und Haptik, Prof. Dr.-Ing. Yitian Shao, 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.



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