

The **Faculty of Electrical and Computer Engineering, Institute of Acoustics and Speech Communication** for the **Cluster of Excellence “Centre for Tactile Internet with Human-in-the-Loop” (CeTI)**, seeks to fill the

Junior Professorship (W1) of Haptic Sensors

at the earliest possible date, for a limited four-year contract. If the interim evaluation is positive, the employment contract will be extended to a total of six years.

Evaluation criteria mutually agreed upon when the position is accepted will form the basis of the evaluation procedures. Essential elements of the evaluation will be the scientific success in the form of subject-relevant and high-quality publications, successful acquisition of third-party research funds as well as related project management, commitment and success in teaching performances and promotion of young scientists as well as the development of innovative teaching contents for the field of “Haptic Sensors” with positively evaluated teaching performances in both German and English.

Within the Cluster of Excellence CeTI, the Junior Professorship in Haptic Sensors will focus on developing, establishing and examining Dataglove. You will cooperate with scientists from the CeTI, the Faculty of Electrical and Computer Engineering and other specialist fields of TU Dresden and contribute to coordinated third-party research projects. We expect your commitment to engage in the study programmes of the Faculty of Electrical and Computer Engineering and to perform teaching tasks in both German and English. Your teaching tasks will initially comprise four academic hours per week. Your duties include active participation in academic selfadministration.

We are looking for a dedicated scientist with expertise in several of the following research and subject areas:

- Sensors to capture tactile information
- Tracking technologies
- Force, pressure, acceleration, distance, tilt, torque sensors
- piezoresistive, piezoelectric, capacitive, electrodynamic, electromagnetic, electrostatic sensor technologies
- Measurement of relative hand position
- Measurement of finger position
- spatially resolved surface pressure distribution
- intelligent and adaptive materials
- secure collision detection
- Biomechanics.

Applicants must fulfil the employment qualification requirements of § 63 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (SächsHSFG).

For further questions, please contact the head of the hiring committee, Prof. Ercan Altinsoy, Tel. +49 351 463-342 53, E-Mail: ercan.altinsoy@tu-dresden.de

TU Dresden supports you with a programme specifically tailored to your needs (YOU PROF programme). Mentoring, various coaching sessions, and special continuing education programmes and support offers provide active professional guidance throughout the duration of the temporary position of the Junior Professorship.

TU Dresden seeks to employ more female professors. Hence, we particularly encourage women to apply. Applications from candidates with disabilities or those requiring additional support are very welcome. The university is a certified family-friendly university and offers a Dual Career Service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Electrical and Computer Engineering (Ms. Marcella Oberst, tel. +49 351 463-34756) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, tel. +49 351 463-33175).

Please submit your application, including CV, description of your scientific career, a list of your scientific publications, and a list of courses taught, results of evaluations (preferably of the last three years) as well as a certified copy of the certificate of your highest academic degree as hard copy by **01.10.2020** (stamped arrival date of the university central mail service applies) and in electronic form (CD, pen drive, etc.) to: **TU Dresden, Dekan der Fakultät Elektrotechnik und Informationstechnik, Herrn Prof. Dr.-Ing. Karlheinz Bock, Helmholtzstr. 10, 01069 Dresden** or via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> to dekanat.et@tu-dresden.de.

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>