



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research assistant - salary grade E 13 (TV-L Berliner Hochschulen)

Part-time employment may be possible

Faculty V - Institute of Fluid Dynamics and Engineering Acoustics / Chair of Engineering Acoustics

Reference number: V-137/25 (starting at 01/07/25 / limited until 30/06/2029 / closing date for applications 25/04/25)

Working field:

The research activity is part of the interdisciplinary research doctoral network MOSAIC with several institutes of RWTH Aachen University with the participation of TU Berlin in order to research the topic of 'acoustic well-being' using a multi-layered approach.

This includes:

- Research on the topic of 'acoustic well-being' by planning, conducting and analyzing experiments in different rooms in virtual reality
- Development of new methods for measuring physical, psychological and behavioural reactions to sounds
- Simulating various room acoustic effects, e.g. opening a window, and analyzing the effects on (acoustic) well-being
- Participation in further training programs such as workshops, laboratory visits and training weeks within the interdisciplinary research training group
- Doctorate in the doctoral network MOSAIC

Requirements:

- A completed academic degree (Master's, Diploma, or equivalent) in an engineering field or an area closely related to engineering acoustics
- In-depth knowledge of acoustics and signal processing
- Basic knowledge of psychoacoustics and soundscape
- Experience with auralization methods
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

Desirable:

- Knowledge of hardware and software aspects of VR applications (e.g. head-mounted displays, Unreal Engine)
- Experience in planning and conducting listening experiments
- knowledge of statistical methods, particularly inferential statistics

We offer you:

An appreciative and inclusive working environment in a committed team, further training opportunities and integration into the extensive network of doctoral students and project leaders as well as scope for your own ideas and mentoring by experienced scientists, flexible working hours and the opportunity to work partly from home.

Please send your application with the **reference number** and the usual documents (in a single pdf file, max. 5 MB) **by email to Dr. phil. André Fiebig über ta7@akustik.tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät V, Institut für Strömungsmechanik und Technische Akustik, FG Technische Akustik, Prof. Dr.-Ing. Ennes Sarradj, Sekr. TA 7, Einsteinufer 25, 10587 Berlin

The vacancy is also available on the internet at
<https://www.personalabteilung.tu-berlin.de/menue/jobs/>

