



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

## **Student assistant (40 hours per month)**

**Fakultät V: Verkehrs- und Maschinensysteme - Institut für Strömungsmechanik und Technische Akustik - FG Technische Akustik**

**Reference number:** V-SB-0028-2025 (starting at 01/05/25 / limited to 30.04.2026 / closing date for applications 21/04/25)

### **Working field:**

The position is part of the research project "Perception-based evaluation of noise protection measures on the railway", which investigates the assessment of noise protection measures in the context of railway noise using acoustic measurements, simulation data and human experiments. Among other things, the research focus is on the question of which experimental procedures are appropriate for the evaluation of train pass-by events. The activities include participation in the planning of listening experiments, support with the implementation of listening experiments and support in analysing the data from the human experiments.

### **Tasks**

- scheduling and organization of human subject experiments (10 monthly hours)
- correspondence with test persons (6 monthly hours)
- assistance in conducting perception experiments (16 monthly hours)
- preparation of empirical data (8 monthly hours)

### **Requirements:**

#### **Must:**

- Experience with human experiments in a controlled laboratory environment
- Experience with hardware and software aspects of VR applications (e.g. head-mounted displays, Unreal Engine)
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

#### **Can:**

- Basic knowledge in the field of railway or rail acoustics
- Experience with spatial audio playback formats (especially Ambisonics)

**Party responsible for specialist area / point of contact for job posting:** Dr. André Fiebig

**Period of employment:** 01.05.2025 - 30.04.2026

**Apply to:** ta7@akustik.tu-berlin.de

Please submit your written application including cover letter, your CV, certificate of enrollment, and where applicable, current transcript of records, with the reference number to the place of employment indicated above.

In the interest of promoting equality opportunities for men and women, applications from women with suitable qualifications are particularly encouraged.

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

