



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen - 1st qualification period (PhD candidate)

part-time employment may be possible

Faculty III - Process Sciences - Institute of Energy Technology / Energy, Comfort and Health in Buildings

Reference number: III-18/24 (starting at the earliest possible / limited for 5 years / closing date for applications 16/02/25)

Working field:

Collaboration in one or more research projects on the field of tension between energy, comfort and health in buildings, especially in the field of **ventilation and air conditioning**.

Teaching: Conducting courses and exercises in the focal areas of the department, totaling 4 credit hours per week (SWS); Supervising bachelor and master theses

Administration: Participation in the general organization of the department, independent project management, involvement in project acquisition

Research: Focus areas - Room air flows (experimental and/or numerical flow simulations)

Requirements:

Essential:

- Successfully completed scientific university studies (diploma, master's degree, or equivalent) in the field of building services engineering, energy and process engineering, mechanical engineering, physical engineering, or similar
- Seeking an individual with in-depth knowledge at a scientific level in at least one of the following investigation methods related to air handling aspects:
 - CFD simulations
 - Experimental test execution
- Excellent PC skills (hardware and software)
- Team and organizational skills
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills (teaching the courses in German)

Desirable:

- Good knowledge in the areas of:
 - Heating, ventilation, and air conditioning technology
 - Fluid dynamics
 - Thermodynamics
 - Measurement and control engineering
 - Data acquisition and analysis
 - Energetic evaluation of systems/components in building services engineering
- Professional experience outside the academic sector
- Good programming skills (ideally Python)
- Flexibility; interest in new challenges

Please elaborate on your skills and motivation in your application.

Please send your application with the **reference number** and the usual documents (combined in a single pdf file, max. 5 MB) **by email to Prof. Dr. Martin Kriegel (kontakt@hri.tu-berlin.de)** or **in writing to Technische Universität Berlin - Die Präsidentin - Fakultät III, Institut für Energietechnik, FG Energie, Komfort und Gesundheit in Gebäuden, Prof. Dr.-Ing. M. Kriegel, Sekr. HL 45, Marchstr. 4, 10587 Berlin.**

For cost reasons, the application documents will not be returned. Please submit copies only.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty 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.

The vacancy is also available on the internet at

<https://www.personalabteilung.tu-berlin.de/menue/jobs/>

