



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted - part-time employment may be possible

Faculty III - Institute of Energy Engineering / Building Energy Systems

Reference number: III-547/20 (starting at the earliest possible / until 29/02/24 / closing date for applications 21/10/20)

Working field: Collaboration in the research project GEnEff (New evaluation of the energy efficiency of buildings). The overall objective of the research project is to develop and validate a new assessment parameter that takes into account energy use and Indoor Environmental Quality (IEQ). Within the scope of the project, an experimental environment is to be developed, with which it is possible to couple optical impressions virtually via VR models with real impressions of thermal comfort.

On the basis of subsequent test person studies, a new type of building energy efficiency index will be determined.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) preferably in the field of building engineering or similar
- Advanced knowledge in the field of the thermal comfort and building energy systems
- Good theoretical and practical knowledge of test bench construction and operation, in connection with thermal comfort
- Good practical knowledge of measuring thermal comfort
- Good programming skills (ideally Python)
- Good knowledge in the field of automation
- Good knowledge in the field of data acquisition and analysis
- Knowledge in building energy system simulations, especially Modelica/Dymola
- Very good PC knowledge (hardware and software)
- Team and organizational skills
- Very good knowledge of German, both spoken and written; willingness to learn the language skills that are missing in each case

Desirable:

- Flexibility; interest in new challenges
- Good knowledge of English

More information can be obtained from Prof. Dr. Martin Kriegel (+49 (0)30 314-24170, kontakt@hri.tu-berlin.de).

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)**.

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/ or quick access 214041.

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.

Technische Universität Berlin - Der Präsident - Fakultät III, Institut für Energietechnik, FG Gebäudeenergiesysteme, Prof. Dr. Martin Kriegel, Sekr. HL 45, Marchstr. 4, 10587 Berlin

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

