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
The Chair of Climatology at TU Berlin is looking for a research assistant in the field of urban climate, climate change and adaptation. The person will work in an interdisciplinary and applied research project in Berlin and complement our young and dynamic team.

Faculty VI - Institute of Ecology / Climatology
Reference number: VI-668/24 (starting at the earliest possible / limited until 30/11/2027 / closing date for applications 10/01/25)

Working field:

The tasks include the preparation and implementation of the scientific work in the research project “Transformation to a climate-resilient technology district (TransformResQ)”. The Department of Climatology is thus participating in the development of a master plan for a “Resilient Neighborhood” that will use the example of the Berlin-Adlershof Technology Park to demonstrate innovative solutions for dealing with climate change.
The core tasks include the design and implementation of a monitoring system to quantify relevant atmospheric variables for monitoring adaptation to climate change and climate protection in the neighborhood, i.e. observation of local CO2 emissions and turbulent heat fluxes with eddy covariance measurement systems, as well as precipitation, air temperature, humidity, wind speed, short- and longwave radiation, soil moisture and soil temperature at different locations in the neighborhood.
The experimental tasks are complemented by comprehensive microscale urban climate simulations to evaluate the effectiveness of measures (blue-green infrastructures) for the development of a master plan.
The opportunity for pursuing a Ph.D. at TU Berlin is given. For further details on the position or the research project please contact the project’s Principle Investigator, Dr. Fred Meier (fred.meier@tu-berlin.de).

Requirements:

We are looking for candidates who are highly motivated to pursue challenging scientific ideas and solve interdisciplinary problems. The successful candidate needs to satisfy the following requirements:

- Successfully completed academic university degree (Master, Diplom or equivalent) in the field of environmental science, meteorology, geography, climatology or comparable,
- Specific knowledge in the field of urban climatology and environmental meteorology with relevance for experimental atmospheric research,
- Knowledge of descriptive and exploratory statistics for the analysis of atmospheric variables,
- Knowledge and experience in programming of software solutions for the acquisition, processing, analysis and visualization of experimental data (Python, IDL, R),
- Experience in source-code management for software programming based on Git,
- Knowledge of Internet protocols (HTTP, FTP) and web-based technologies (API programming interfaces),
- Knowledge of scientific data standards (e.g. NetCDF, CF standard),
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills.

Desirable:

- Experience in the application of sensor-specific measurement techniques for observation of atmospheric variables, especially with eddy covariance systems,
- Experience in the application of urban microclimate models (PALM-4U, ENVI-met).

In general, the ability to work in a structured and independent manner, determination, organizational and coordination skills, reliability, teamwork and communication skills are expected.

Please send your application with the **reference number** and the usual documents **only by email** (combined in a single pdf file, max. 5 MB) to Dr. Fred Meier (**fred.meier@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.

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 VI, Institut für Ökologie, FG Klimatologie, Prof. Dr. Daniel

Fenner, Sekr. AB-3, Rothenburgstraße 12, 12165 Berlin

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