



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 V - Institute of Land and Sea Transport / Chair of Integrated Modelling of Efficient Powertrains

Reference number: V-174/25 (starting at the earliest possible / for 5 years / closing date for applications 30/05/25)

Working field:

- Modeling and simulation of innovative powertrain concepts in the context of sustainable mobility (optionally hydrogen-based or battery-electric drives)
- Development and implementation of novel modeling approaches (either further development of hydrogen combustion models or multi-physics approaches for electrochemistry and heat transfer in the context of battery-electric applications)
- Support for experimental validation of simulation results
- Further development and conduction of courses as well as supervision of theses

Requirements:

- successfully completed university degree in engineering sciences (Diplom, Master or equivalent)
- knowledge of 3D-CFD simulation
- familiarity with thermodynamic or electrochemical systems
- the ability to teach in German and/or English is a prerequisite; willingness to acquire the missing language skills in each case

Desirable:

- knowledge in the areas of vehicle powertrains, combustion processes, or batteries

Please send your application, stating the **reference number exclusively by email** bundled in one PDF document, max. 5 MB to **Prof. Biet (clemens.biet@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 Land- und Seeverkehr, Fachgebiet Integrierte Modellierung energieeffizienter Fahrzeugantriebsstränge, Prof. Biet, Sekr. SG 24, Salzufer 17-19, 10587 B

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

