



**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

**Faculty IV - Institute of Energy and Automation / Technology Sustainable Electric Networks and Sources of Energy**

**Reference number:** IV-194/25 (starting at 01/10/25 / until 30/06/28 / closing date for applications 06/06/25)

#### **Working field:**

- Modeling and design of electrotechnical components for the energy supply of electric vehicles using renewable energies
- Analysis of technical and regulatory framework conditions for grid and energy market integration of electric vehicles and other resources
- Creation of programs for optimized charging planning for vehicle-to-grid operation in the NEVERFLAT project (iNnovative EV-charging EnviRonment for Future Low-cost mAss deploymentT)
- Preparation of presentations and publications
- Collaboration on research proposals

#### **Requirements:**

- Successfully completed academic university degree (Master, Diplom or equivalent) in engineering sciences (preferably in industrial / business engineering), with focus on electrical power supply
- Excellent knowledge of electrical power engineering and energy supply
- Excellent knowledge in the field of e-mobility grid integration, smart-charging and/or vehicle-to-grid (V2G)
- Good knowledge of German and/or English required; Willingness to acquire the respective missing language skills

#### **Desirable:**

- Research experience in electrical power supply networks
- Excellent knowledge in the field of optimization (e.g. linear optimization) and its application in the energy and electricity sector
- Excellent knowledge of Python programming language, as well as confident handling of LaTeX
- Experience in project management, preferably in the energy sector
- Existing portfolio of programming projects, preferably in the energy sector; automation projects and programming of microcontrollers and sensors
- Knowledge of modeling and calculation of power grids
- Strong conceptual thinking skills and a high degree of initiative

Please send your application with the **reference number** and the usual documents only by email (single pdf file; max. 5 MB) to **kai.strunz@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/](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. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät IV, Institut für Energie- und Automatisierungstechnik, FG Energieversorgungsnetze und Integration Erneuerbarer Energien, Sekr. EMH 1, Einsteinufer 11, 10587 Bei

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

