



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 IV - Institute of High-Frequency and Semiconductor System Technologies - Design and Hetero-Integration of Micro-Electronic Systems

Reference number: IV-293/25 (starting at 01/11/25 / until 31/10/2027 / closing date for applications 15/08/25)

Working field:

In a third-party funded research project, a new type of sensor technology for monitoring the condition of battery management systems (BMS) is to be developed. The area of application is in the field of e-vehicles for passenger transportation.

The tasks of the TU Berlin focus in particular on assembly and connection technology, components and circuit topologies, as well as the development of sensor technology.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in Electrical Engineering, Microsystems Engineering, Communications Engineering, Information Technology or similar.
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills.
- Knowledge and experience in at least two of the following topics:
 - a) Knowledge of circuit and module development
 - b) Processes and materials in microsystems technology
 - c) Knowledge of processes and materials for circuit carrier production
 - d) Knowledge and experience in the areas of assembly and connection technology
- Desirable would be basic knowledge of power electronic circuits and modules
- Independent and well-structured working method are an advantage
- Willingness to perform hands-on lab work
- Willingness to take on responsibility, up to and including project management is an advantage
- Ability to work in a team, willingness for documentation tasks is desirable

Please send your application with the **reference number** and the usual documents (one file max. 5 MB) **only via email** to **personal@tmp.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.

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

