



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

### **Research Assistant - salary grade E13 TV-L Berliner Hochschulen**

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

**Faculty IV - Institute of High-Frequency and Semiconductor System Technologies - Forschungsschwerpunkt Technologien der Mikroperipherik**

**Reference number:** IV-34/25 (starting at 01/06/25 / until 31/07/27 / closing date for applications 21/02/25)

#### **Working field:**

Within a third-party funded research project the TU Berlin will develop a high temperature Strain Gage pressure sensor.

The tasks of the TU Berlin focus in particular on technology development for the production of a novel miniaturized thinned high-temperature pressure sensor chip with SOI technology and high-temperature metallization system, optimization of the pressure sensor housing by means of FEM simulations, design and construction of a high-temperature measuring station and analysis of sensor reliability with regard to temperature cycles and service life.

#### **Requirements:**

- Successfully completed university degree (Master, Diplom or equivalent) in electrical engineering / chemistry / physics
- Knowledge and experience with
  - a) Assembly and connection technology of microelectronics
  - b) Solid state physics of solid surfaces
  - c) Analysis methods (e.g. XPS, IR, FIB/REM)
  - d) HAST tests
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

#### **Desirable:**

- Knowledge of microsensor technology
- Structured and independent way of working
- Willingness to take responsibility for subtasks
- Ability to work in a team, willingness to document

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/](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 IV- Institut für Hochfrequenz- und Halbleiter-Systemtechnologien - Elektrotechnik und Informatik, Forschungsschwerpunkt Technologien der Mikroperipherik, Prof. Dr.-Ing. Martin Schneider-Ramelow , Sekr. TIB 4/2-1, Gustav-Meyer-Allee 25, 13355 Berlin

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

