



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

## **Research Assistant - 0.75 working time - salary grade E13 TV-L Berliner Hochschulen**

under the reserve that funds are granted

**Faculty II - Institute of Solid State Physics / AG Reitzenstein**

**Reference number:** II-572/24 (starting at 01/01/25 / limited until 31/12/27 / closing date for applications 01/11/24)

### **Working field:**

Collaboration in the BMBF joint project "Quantenrepeater.Net". The aim of the subproject is the controlled, deterministic fabrication of quantum dot and quantum dot molecule devices and their use in quantum repeater segments and cells as well as the generation of photonic cluster states for measurement-based quantum repeater realizations.

### **Requirements:**

- Successfully completed scientific university studies (Diploma, Master or equivalent) in physics or related courses with in-depth knowledge and experience in the deterministic fabrication and optical and quantum optical investigation of electrically controlled quantum devices based on quantum dots and quantum dot molecules in the spectral range from 900 nm to 960 nm, preferably in the field of III/V semiconductor heterostructures and self-assembled quantum dots
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

### **Desirable:**

- Strong interest in innovative approaches and research questions in the field of semiconductor spectroscopy and nanotechnology with a focus on low-dimensional quantum materials and in-situ electron beam lithography
- Special qualification through scientific achievements, which are usually proven by relevant publications
- Communication and teamwork skills
- Experience in interdisciplinary cooperation in research projects is desired

Please send your application with the **reference number** and the usual documents (single pdf-file, max. 5 MB) **by email to Prof. Dr. Reitzenstein (reitzenstein.office@physik.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/datenschutzzerklaerung/](https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzzerklaerung/) 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 II, Institut für Festkörperphysik, Prof. Dr. Reitzenstein, Sekr. EW 5-3, Hardenbergstr. 36, 10623 Berlin

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

