



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

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

Part-time is maybe possible

### **Faculty II - Institute of Solid State Physics - Quantum Communication Systems**

**Reference number:** II-137/24 (starting at the earliest possible / limited until 31/12/2026 / closing date for applications 31/05/24)

#### **Working field:**

Project work within the BMBF joint project "QuNET+ICLink" for the implementation of highly efficient single photon sources in secure data transmission with a focus on the realization of experiments for measurement-device-independent quantum key distribution with spatially separated quantum light sources at 1550 nm including fast state preparation using electro-optical modulators. Close cooperation with the project groups at the University of Würzburg and the Fraunhofer IOF in Jena. Supervision and guidance of doctoral students and undergraduates is mandatory.

#### **Requirements:**

Successfully completed university degree (Master, Diploma or equivalent) and ideally a PhD in applied physics or similar. Comprehensive knowledge and several years of practical experience in quantum optics experiments with semiconductor quantum dots, usually documented by several scientific publications, as well as advanced basic knowledge in the field of quantum information and communication are required. Practical experience in programming with LabView (or similar software) as well as the handling of closed-cycle cryostats and superconducting single photon detectors are desirable. Communication and team skills are expressly welcomed. Good knowledge of German and/or English are required; willingness to acquire the respective missing language skills.

Please send your application with the **reference number** and the usual documents (single pdf-file, max. 5 MB) **by email to Tobias Heindel, ifkp@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/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.

Technische Universität Berlin - Die Präsidentin - Fakultät II, Institut für Festkörperphysik, Dr. Tobias Heindel, 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/>

