



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

**Research Assistant (PostDoc) - salary grade E13 TV-L Berliner Hochschulen - 2nd qualification period (Habilitation)**

part-time employment may be possible

**Faculty II - Institute of Solid State Physics**

**Reference number:** II-520/20 (starting at the earliest possible / for a period of 3 years / closing date for applications 05/11/20)

**Working field:** Applicants are expected to conduct experimental work in the field of quantum nanophotonics. The responsibilities comprise the design and development of quantum devices for applications in quantum communication and integrated quantum nanophotonics as well as quantum optical experiments on semiconductor nanostructures and quantum devices. The devices shall be based on semiconductor quantum dots and / or quantum emitters in 2D quantum materials. Further tasks include the supervision of Bachelor and Master graduates and PhD students, the acquisition of third party funded projects, the management of third party funded projects, and teaching activities in advanced lab courses and seminars in nanophotonics.

**Requirements:** Successfully completed university degree (Master, Diplom or equivalent) and PhD in physics preferably with in-depth knowledge and experience in the development of quantum devices and in experimental quantum optics; special qualification of academic work, which is usually demonstrated through an outstanding PhD thesis; strong interest in innovative approaches and research questions in quantum optics, quantum communication and nanotechnology; proficiency in English; sufficient language proficiency to teach classes in both German and English is expected; experience with working in international research projects, project management and an outstanding publication record are advantageous.

Please send your application with the **reference number** and the appropriate documents (CV, certificates, a list of publications, and names and contact details of referees) **by email (in a single pdf file, max 5 MB) to [reitzenstein.office@physik.tu-berlin.de](mailto: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 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/) 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.

Technische Universität Berlin - Der Präsident - Fakultät II, Institut für Festkörperphysik, Prof. Dr. Stephan Reitzenstein, Sekr. EW 5-3, Hardenbergstr. 36, 10623 Berlin

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

