



Technische Universität Berlin offers an open position:

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

**Faculty II - Institute of Optics and Atomic Physics / Terahertz and Laser Spectroscopy**

**Reference number:** II-249/22 (starting at the earliest possible / until 30/04/25 / closing date for applications 20/06/22)

**Working field:** The research tasks are focusing on investigating different technological concepts for the realization of a compact, space prove, as much as possible chip-integrated Terahertz Time-Domain spectroscopy set-up and are part of a project within the frame of the DFG priority program „INtegrated TERAhertz sySTems Enabling Novel Functionality (INTEREST)“.

The tasks include: (i) investigations into the space readiness of key components, (ii) realization and characterization of different electro-optic concepts for the detection of Terahertz waveforms based on the principle of spectral decoding, (iii) benchmarking of different, within the frame of the project developed, Terahertz Time-Domain spectroscopy set-ups utilizing suitable planetary materials such as minerals or salts. Possibility to prepare a PhD degree.

**Requirements:** Successfully completed university degree (Master, Diplom or equivalent) in physics or a related field; fundamental knowledge in applied optics; capability to work in an interdisciplinary, international team; first practical experiences in programming with Python or LabVIEW are of advantage. Good command of German and/or English ist required; willingness to learn either English or German is expected.

For further information please contact Prof. Dr. Michael Gensch (Tel.: +49 (0)30 314-26644, E-Mail: michael.gensch@tu-berlin.de).

Please send your application with the **reference number** and the appropriate documents (combined in a single pdf file, max 5 MB) **by email to Prof. Dr. Michael Gensch (michael.gensch@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/) 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 - Die Präsidentin - , **Fakultät II, Institut für Optik und Atomare Physik, Prof. Dr. Michael Gensch, Sekr. ER 1-1, Hardenbergstraße 36, 10623 Berlin**

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

