



Technische Universität Berlin



University professorship for the field of optoelectronics – pay scale W3

Technische Universität Berlin and the Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik are seeking applications for a joint appointment (Berliner Model) for a university professorship – pay scale W3 for the field of **optoelectronics** within the Institute of High-Frequency and Semiconductor System Technologies at Faculty IV – Electrical Engineering and Computer Science to be filled at the soonest possible date.

Faculty IV - Electrical Engineering and Computer Science, Institute of High-Frequency and Semiconductor System Technologies

Reference number: IV-370/25 (starting at 01/04/26 / permanent / closing date for applications 11/11/25)

Your responsibility:

The professorship focuses on the scientific study of optoelectronic device technology based on III/V compound semiconductors. This transdisciplinary and interdisciplinary approach covers the whole technology chain, from materials and process technology through to applications. A key focus is on the efficient and sustainable use of natural resources. The post holder will also be responsible for the "photronics" research area at the Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH).

In addition to close cooperation with other research groups at TU Berlin in the areas of electrical engineering and physics, the successful candidate will work closely with national and international partners from research and industry. The professorship includes teaching duties of two course hours per week, preferably in the Electrical Engineering and Computer Engineering degree programs.

Further responsibilities include leading and managing the group and its staff; supporting the advancement of junior scholars, women, and diversity; knowledge and technology transfer; initiatives to promote internationalization; gender and diversity skills; taking action to promote sustainability; as well as committee work.

Your profile:

- Applicants must fulfill the appointment requirements in accordance with Section 100 of the Berlin State Higher Education Act (BerlHG). These include a relevant degree; an aptitude for scientific work (generally demonstrated by the quality of the applicant's doctorate); additional academic achievements (e.g. a positively evaluated junior professorship, Habilitation, or other equivalent achievements), as well as an aptitude for teaching (demonstrated by a teaching portfolio). For further information about teaching portfolios, please refer to the TU Berlin website: <https://www.tu.berlin/en/go209650/>).
- We are looking for a professionally qualified person with an international reputation and in-depth knowledge in the above-mentioned field, particularly in the area of GaAs and GaN-based optoelectronics. Expertise in semiconductor technology development is required.
- Experience working with interdisciplinary research groups, demonstrated by high-ranking publications and/or a position of responsibility in corresponding research and development projects, is expected.
- The ability to acquire and implement third-party funded projects, which can also be demonstrated by planning, acquiring, and implementing corresponding national and international projects.
- The ability and willingness to undertake responsibility for the management and strategic development of the research group and its staff, the advancement of junior scholars, as well as gender and diversity. A willingness to engage in initiatives in science communication and knowledge and technology transfer is desirable.

Applicants are requested to include a research and teaching concept with their application.

The post-holder will be required to teach in German and English, or must be willing to acquire any missing language skills within a reasonable period of time.

How to apply:

Technische Universität Berlin and the Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik are seeking to increase the proportion of women in research and teaching, and actively encourage applications from suitably qualified female candidates. Preference will be given to applicants with severe disabilities who equally fulfill the requirements of the position. TU Berlin values the diversity of its members and, together with the Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik, pursues the goals of equal opportunities.

TU Berlin is taking steps to make appointment procedures more equitable and has created a form to take academic age into account in appointment procedures as part of a pilot project. We kindly ask you to complete the form. You can download it as an Excel file from the following web page: <https://www.tu.berlin/en/go209647/>.

Please submit your application **by 11/11/25** quoting the **reference IV-370/25** with the relevant documents (CV, certificates, research concept, teaching portfolio, list of publications, your 3 most significant publications, and documents demonstrating projects with third-party funding which you have completed or applied for) **as a PDF by email to the dean of Faculty IV, Professor Marc Alexa at berufungen@eecs.tu-berlin.de**. If you have any questions regarding the Ferdinand-Braun-Institut, please contact the scientific managing director **Professor Dr. Patrick Scheele**

(patrick.scheele@tu-berlin.de).

By submitting your application via email, you consent to having your data electronically processed and saved. Please note that we cannot guarantee the protection of your personal data when submitted as an unprotected file. Information on the processing of your data in accordance with the General Data Protection Regulation can be found on the website of the human resources department: <https://www.tu.berlin/en/abt2-t/services/rechtliches/data-privacy-statement-for-job-applications>

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

