

The Paul Drude Institute (PDI) performs basic research as a lively symbiosis of materials science and solid state physics. Our research aims at inspiring and demonstrating new functionalities for future information technologies. As a member of the Leibniz-Gemeinschaft and Forschungsverbund Berlin e.V. we are an independent research institute with about 100 employees. We are located in the very heart of the city near Gendarmenmarkt. You may find more details at [www.pdi-berlin.de](http://www.pdi-berlin.de).

## Postdoc position in Electron Tomography (m/f/d)

PDI has excellent expertise in the field of microstructure analysis of epitaxial semiconductor systems using transmission electron microscopy. We have recently established the "Application Laboratory Electron Tomography" (BALET), funded by an ERDF project of the European Union and the Senate of Berlin. Based on the tomography method, a complete three-dimensional object reconstruction in terms of structure and chemical composition is achievable. To strengthen the work of the Applications Laboratory, we are looking for a postdoc to further develop the methodology and apply electron tomography to problems of interfacial structure, spatial distributions of crystal defects, or to semiconductor nanostructures.

The successful candidate will have a PhD in solid state physics, materials science or related fields. A specific requirement for this position is in-depth knowledge and practical experience in transmission electron microscopy. Hands-on experience with 3D electron tomography or aberration corrected scanning transmission electron microscopy is a bonus. We are looking for a team player with a high level of communication skills and the self-confidence to work in a highly motivated team of researchers, technicians and PhD students.

The position is available for 2 years. Payment is according to TVöD (Treaty for German public service). The Paul Drude Institute aims at increasing the quota of female employees. The application of women is therefore encouraged. Among equally qualified applicants, preference will be given to disabled candidates.

Applications including a motivational letter, a CV, degrees with transcripts, a publication list and two references should be sent preferably in PDF format by **February 28, 2021** using "BALET" in the subject line to:

Mr. Andreas Hartung, email: [jobs@pdi-berlin.de](mailto:jobs@pdi-berlin.de)



For scientific and technical questions related to the project, please contact Dr. Achim Trampert, email: [trampert@pdi-berlin.de](mailto:trampert@pdi-berlin.de)

