

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 and collaborate with all three universities in Berlin. We are located in the very heart of the city near the Gendarmenmarkt. You may find more details at www.pdi-berlin.de.

Postdoctoral researcher position for Polariton lattices for quantum simulation

The position is offered in the framework of a joint European research project ([QuantERA Interpol](#)) aiming at the development of a polariton-based quantum simulator. The research focuses on experimental investigations of quantum lattices based on exciton-polaritons in (Al,Ga,In)As microcavities. The activities at the PDI will address tunable lattices defined during the growth by molecular beam epitaxy (MBE) and modulated by acoustic waves. The PDI has excellent expertise in MBE growth, semiconductor processing, and advanced optical spectroscopy.

We invite applications from experimental physicists with a completed Ph. D. degree, a solid knowledge of semiconductor physics as well as proven expertise in optical spectroscopy (preferentially in polariton physics). Experience on the semiconductor growth, processing and acoustics will be considered a plus. We are looking for a team player with a high level of communication skills and the assertiveness for our team of highly motivated researchers and technicians.

The position is available for 3 years starting **August 1, 2018**. Payment is according to TVöD Bund. 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 CV, a motivation letter and two references should be sent by **June 30, 2018**, to:

Mr. Andreas Hartung
jobs@pdi-berlin.de



For scientific or technical questions related to the project, please contact:
Dr. Paulo Santos, santos@pdi-berlin.de

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