



Leibniz
Universität
Hannover

The Institute of Solid State Physics invites applications for several

Postdoc and PhD Positions on Solid-state quantum photonics (Salary Scale 13 TV-L)

starting the next possible date, within the newly granted Cluster of Excellence "QuantumFrontiers" as well as the ERC starting grant "QD-NOMS", in the group of Prof. Dr. Fei Ding.

The postdoc positions are limited to 2 years with an extent of 100 %. The PhD positions are limited to 3 years with an initial extent of 50 %, and up to 75 % afterwards.

Often referred to as artificial atoms, semiconductor quantum dots (QDs) are among the most promising single and entangled photon sources to build a solid-state quantum photonic network. We aim to build an elementary QD network via scalable interactions of single or entangled photons, in a fashion similar to that of real atoms. Also, we are interested to use the solid-state quantum photonic platforms to extend the applications in metrology beyond the quantum limit (in a joint effort with National Metrology Institute of Germany and Technical University Braunschweig).

Responsibilities and duties

Research, teaching and further academic qualification

Employment conditions

To qualify for the positions, candidates should hold a university degree in physics and have a strong background in experimental quantum optics. Knowledge of semiconductor devices, nanofabrication and programming languages is a plus, but not required.

Part-time employment is possible.

As an equal opportunities employer, Leibniz University Hannover intends to promote women and men. For this reason suitably qualified women are specifically invited to apply. Preference will be given to equally qualified applicants with disabilities.

Interested candidates should send a detailed curriculum vitae including a list of publications and the names of three professional references, until February 15th, 2019 to Prof. Dr. Fei Ding (f.ding@fkp.uni-hannover.de).

Gottfried Wilhelm Leibniz Universität Hannover

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<http://www.uni-hannover.de/jobs>

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