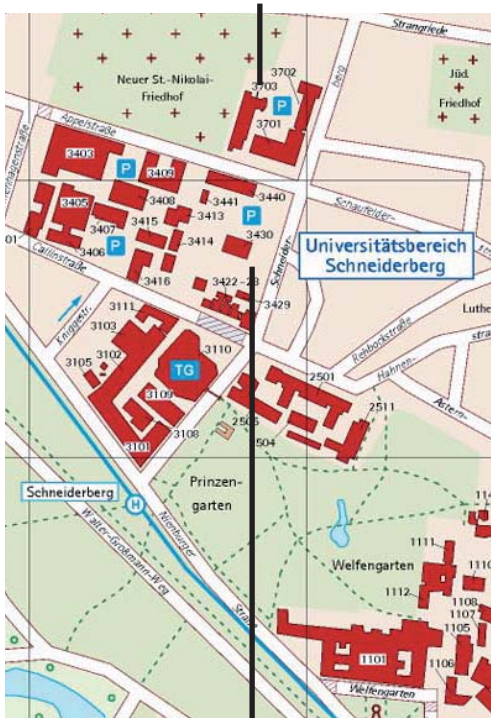


## Guide

Talks in the  
Multimedia Lecture Hall (3703)



Posters in the  
LNOE Research Building (3430)

You can reach us via the light rail lines 4 and 5 (stop Schneiderberg) or through the lines 6 and 11 (stop Kopernikusstr). The Research Building is on the Schneiderberg 39 on a small side road, which lacks the road Schneiderberg and supplies to the Electrical Engineering Building. Directly in front of the Research Building is a large parking lot.

For more information visit  
[www.LNOE.uni-hannover.de](http://www.LNOE.uni-hannover.de)



## NanoDay 2017

On Thursday 28th September 2017 the annual NanoDay of the Laboratory of Nano and Quantum Engineering will take place in Hannover/Germany. In eight lectures and a poster session the latest research results from the interdisciplinary working groups in the field of nanotechnology will be presented.

Guests are welcome!

## Laboratory of Nano and Quantum Engineering

The Laboratory of Nano and Quantum Engineering is an interdisciplinary Leibniz Research Center of the Leibniz Universität Hannover in the field of nanotechnology. Substantive goals are both excellent basic research as well as application-oriented engineering at the nanoscale accompanied by appropriate cross-disciplinary training. Currently there are 25 research groups from physics, chemistry and engineering involved. To achieve its objectives the Laboratory of Nano and Quantum Engineering operates a shared research building in Hanover, with laboratories, equipment, etc., and especially clean rooms.

## Supported by:

LEIBNIZ UNIVERSITÄTSGESELLSCHAFT  
HANNOVER e.V.



# NanoDay 2017

Hannover  
Thursday 28.09.2017  
9:00 - 16:45

Talks:  
Technical Computer Science  
(Building 3703)  
Appelstr. 4  
30167 Hannover  
Multimedia Lecture Hall

Poster Session:  
Laboratory of  
Nano and Quantum Engineering  
(Building 3430)  
Schneiderberg 39  
30167 Hannover  
Foyer

09:00 Greetings (in the multimedia lecture hall)

09:15 – 10:45 Session I

*Self-assembling Formation of Twisted Bilayer Graphene*

**Johannes Rode**

Institute for Solid State Physics,  
Group Haug

*Deposition and Characterization of ALD Al<sub>2</sub>O<sub>3</sub> and HfO<sub>2</sub>*

**Liu Hao**

Laser Zentrum Hannover e. V.,  
Laser Components Department,  
Group Ristau

*Carbon-MOF composites: A way to electronic applications of metal-organic frameworks*

**Hendrik Schulze**

Institute of Inorganic Chemistry,  
Group Behrens

10:45 Conference photo

10:50 – 11:20 Coffee break



11:20 – 12:20 Session II

*Ultracold Molecules*

**Torben Schulze**

Institute of Quantum Optics,  
Group S. Ospelkaus

*Ultrashort Pulse Laser Structuring – a new approach to designing electrodes?*

**Karsten Lange**

Institute of Physical Chemistry and  
Electrochemistry,  
Group Caro

12:20 – 13:30 Lunch break

13:30 – 15:00 Poster session  
(in the LNQE research building)

15:00 – 16:30 Session III

*A simulative study on nucleation, growth and aggregation of metal oxide nanoparticles based on experimental insights of the nonaqueous sol-gel method*

**Pierre Stolzenburg**

Institute for Particle Technology,  
TU Braunschweig,  
Group Garnweitner

*Improvement of the SRH Bulk Lifetime upon Formation of n-Type POLO Junctions for 25% Efficient Si Solar Cells*

**Jan Krügener**

Institute of Electronic Materials and Devices,  
Group Osten

*Spin and reoccupation dynamics in single quantum dots: Noise beyond the fluctuation-dissipation theorem*

**Jens Hübner**

Institute for Solid State Physics,  
Group Oestreich

16:30 – 16:45 Award ceremony of the poster prize

**Follow-up:** Get-together in the LNQE-research building to conclude the NanoDay 2017

