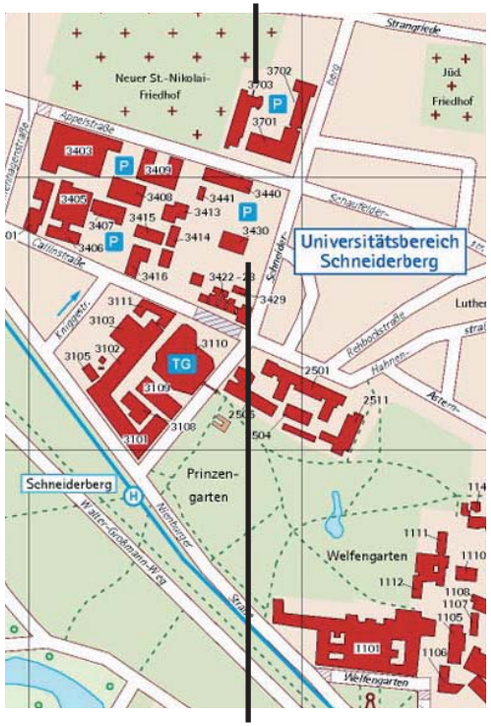
## Guide

Talks in the
Multimedia Lecture Hall (3703)




Posters in the
LNQE 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.LNQE.uni-hannover.de

LNQE Laboratorium für Nano- und Quantenengineering

Leibniz Universität Hannover

## NanoDay 2018

On Thursday 27th September 2018 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 28 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 2018

Hannover
Thursday 27.09.2018
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

*Defibrillation of Soft Porous Metal-Organic Frameworks with Electric Fields*
**Alexander Knebel**
Institute of Physical Chemistry and Electrochemistry,
Group Caro &
Hannover School for Nanotechnology

*Plasmon spectroscopy: How one-dimensional are atomic gold chains?*
**Zamin Mamiyev**
Institute for Solid State Physics,
Group Pfnür &
Hannover School for Contacts in Nanosystems

*Nano-calorimetry – a different way of gas sensing*
**Maria Allers**
Institute for Electrical Engineering and Measurement Technology,
Group Zimmermann &
Hannover School for Nanotechnology

## 10:45 Conference photo

## 10:50 – 11:20 Coffee break

## 11:20 – 12:20 Session II

*Non Noble Metal Based Plasmonic Nanoparticles*
**Rasmus Himstedt**
Institute of Physical Chemistry and Electrochemistry,
Group Dorfs
& Hannover School for Nanotechnology

*Application of passivating poly-Si on oxide (POLO) junctions for Si-based tandem solar cells*
**Robby Peibst**
Institute for Electronic Materials and Devices,
Group Osten &
Institute for Solar Energy Research Hamelin,
Group Brendel

## 12:20 – 13:30 Lunch break

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

## 15:00 – 16:30 Session III

*Preparation of Nanoparticle-Drug conjugates for Biomedical Applications*
**Sibel Türkhan**
Institute of Organic Chemistry,
Group Kirschning

*Fabrication of Compact (/Next Generation) Atom Chips with Microproduction Technology*
**Alexander Kassner**
Institute of Micro Production Technology,
Group Wurz

*3D Assemblies of Semiconductor Nanoparticles for Application in Photoelectrochemical Sensing*
**Anja Schlosser**
Institute of Physical Chemistry and Electrochemistry,
Group Bigall
& Hannover School for Nanotechnology

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

**Follow-up:** Get-together in the LNQE-research building to conclude the NanoDay 2018