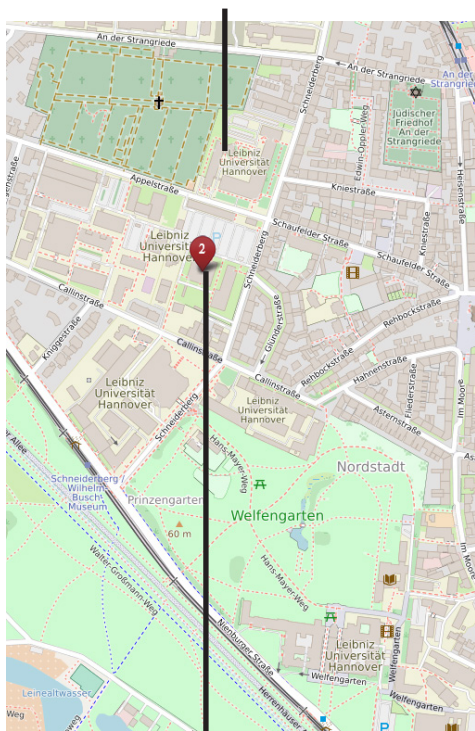


Guide

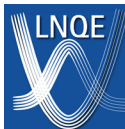
Talks in the
Multimedia Lecture Hall (3703)



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



Laboratorium für
Nano- und Quantenengineering



Leibniz
Universität
Hannover

NanoDay 2018

On Thursday 10th October 2019 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 34 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 2019

Hannover
Thursday 10.10.2019
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 (multimedia lecture hall)

09:15 - 10:45 Session I

*Towards Innovative Optoelectronics:
Probing Stable Excitons and Mobile
Charges in Tailor-Made 2D Semiconductors*
Jannika Lauth
Institute of Physical Chemistry and
Electrochemistry, Group Lauth

How to detect an antiproton with lasers
Teresa Meiners
Institute of Quantum Optics,
Group C. Ospelkaus

*Electric tracks in epitaxial graphene
nanoribbons*
Johannes Aproxanz
Institute for Solid State Physics,
Group Pfnür & Tegenkamp

10:45 Conference photo

10:50 - 11:20 Coffee break



11:20 - 12:20 Session II

*Carbon materials with nanopores for
application in rechargeable metal-air
batteries*
Arne Schierz
Institute of Inorganic Chemistry,
Group Behrens

*Emerging bio- and nanotechnologies towards
3D brain models*
A. Koroleva¹, A. El-Tamer¹, B. Chichkov²
¹ Laser Zentrum Hannover e.V.
² Institute of Quantum Optics,
Group Chichkov

12:20 - 13:30 Lunch break

**13:30 - 15:00 Poster session
(LNQE research building)**



15:00 – 16:30 Session III

*Electron shuttling in multiple quantum
dots*
Johannes Bayer
Institute for Solid State Physics,
Group Haug

*Use of Carbon Nanohorns (CNH) as
high potential fillers in elastomers*
Marvin Omelan
German Institute of Rubber Technology,
Group Giese

*Semiconductor entangled photon
sources for quantum information appli-
cations*
Michael Zopf
Institute for Solid State Physics,
Group Ding

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

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

