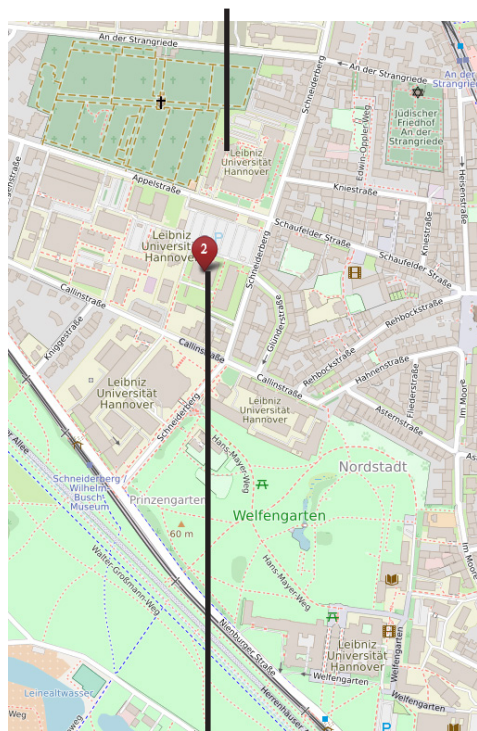


Guide

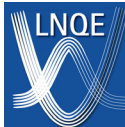
Talks in the
Multimedia Lecture Hall (3703)



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 2023

On Wednesday, September 20, 2023, 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 more than 30 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 2023

Hannover
Wednesday 20.09.2023
9:00 - 17:00

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

Precision Ion Trap Fabrication for Quantum Clocks and Fundamental Tests

Tanja Mehstäubler

Institute of Quantum Optics & Physikalisch-Technische Bundesanstalt

Adjusting the vapor sorption properties of metal-organic frameworks

Adrian Hannebauer

Institute of Inorganic Chemistry, Inorganic Solid State and Materials Chemistry & Hannover School for Nanotechnology

Locally Controlled MOF Growth on Multi-walled Carbon Nanotubes

Marvin Dzinnik

Institute for Solid State Physics, Group Haug

10:45 Conference photo

10:50 - 11:20 Coffee break



11:20 - 12:20 Session II

Metasurface mirror effect at telecom wavelength

Mariia Matushechkina

Institute for Gravitational Physics & Max Planck Institute for Gravitational Physics, Quantum Control (Heurs)

Artificial Intelligence based Computer Vision for nanoscale microscopy

Johannes Tim Seifert

Institut für Angewandte Physik, Nanoskopische Systeme (Etzkorn), TU Braunschweig

12:20 - 13:30 Lunch break

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



15:15 – 16:45 Session III

Interface Manipulation for enhanced contact behaviour in polymer electrolyte membrane water electrolysis cells

Lukas Stein

Institute of Electric Power Systems, Electrical Energy Storage Systems (Hanke-Rauschenbach)

Introduction to microfabrication of ion traps

Eike Iseke

Institute of Quantum Optics, Trapped-Ion Quantum Engineering (Ospelkaus)

Ordered self-assembly of cadmium chalcogenide nanoplatelets into stacks

Rebecca Graf

Institute of Physical Chemistry and Electrochemistry, Functional Nanostructures (Bigall) & Hannover School for Nanotechnology

16:45 – 17:00 Award ceremony of the poster prize

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

