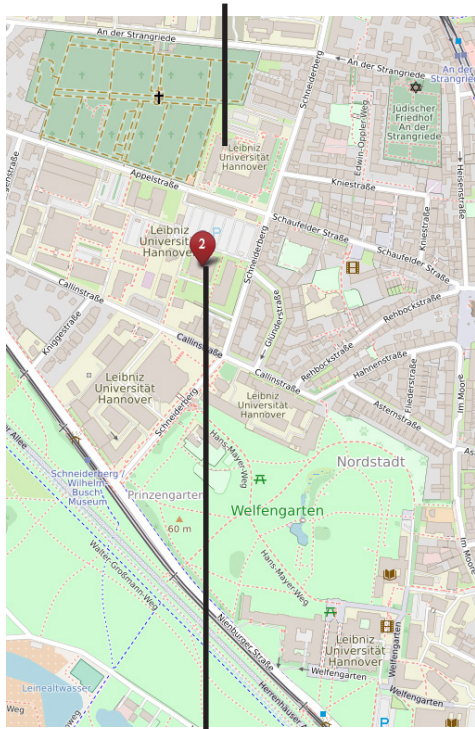


Guide

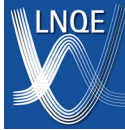
Talks in the
Multimedia Lecture Hall (3703)



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 2024

On Monday, September 16, 2024, the annual NanoDay of the Laboratory of Nano and Quantum Engineering will take place in Hannover/Germany.

This year the NanoDay celebrates its 20th anniversary!

Due to the anniversary, we have invited external guest speakers for the talks.

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 UNIVERSITÄTSGESSELLSCHAFT
HANNOVER e.V.



NanoDay 2024

Hannover
Monday 16.09.2024
10:15 - 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

10:15 Welcome (multimedia lecture hall)

Welcome by
Prof. Dr.-Ing. Stefan Zimmermann,
Speaker of the Executive Board of the
Laboratory of Nano and Quantum Engineer-
ing

Welcoming words by
Prof. Dr.-Ing. Holger Blume,
Vice President for Research and Transfer
at Leibniz University Hannover

10:30 - 11:40 Session I

Chair: Prof. Dr.-Ing. Stefan Zimmermann

Nanophotonics for precision sensing
Prof. Dr. Stefanie Kroker
Institute of Semiconductor Technology,
Technische Universität Braunschweig

*Implementing aerogels in microfluidic chan-
nels*
Prof. Dr.-Ing. Michael J. Vellekoop
Institute for Microsensors, -actuators and
-systems, University of Bremen

11:40 - 12:00 Coffee break



12:00 - 13:10 Session II

Chair: Prof. Dr. Fei Ding

*Nanomembranes: from origami to applica-
tions*

Prof. Dr. Robert Blick
Institute for Nanostructure and Solid State
Physics, Universität Hamburg

*Nanoconfinement - What happens to water
and solutions in small pores?*

Prof. Dr. Michael Fröba
Institute of Inorganic and Applied Chemistry,
Universität Hamburg

13:15 Conference photo (in front of the LNQE research building)

13:15 - 14:00 Lunch

14:00 - 15:30 Poster Session (in the LNQE research building)



15:45 – 16:55 Session III

Chair: Prof. Dr. Denis Gebauer

*The Power of Light: Designing Nano-
materials with Pulsed Lasers in Liquids*
Dr. Sven Reichenberger
Institute of Technical Chemistry I,
University of Duisburg-Essen

*Tiny tools, big discoveries – Exploring
biological frontiers using microsystems*
Prof. Dr. Iordania Constantinou
Institute of Microtechnology, Technische
Universität Braunschweig

16:55 – 17:00 Award ceremony of the poster prize

Follow-up: Get-together in the LNQE-research building to conclude the NanoDay 2024

