



NanoDay 2024

Monday 16.09.2024

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

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

Program

10:15 Wellcome (in the multimedia lecture hall)

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

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

10:30 - 11:40 Session I

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

Implementing aerogels in microfluidic channels
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

Nanomembranes: from origami to applications
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

The Power of Light: Designing Nanomaterials 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

