



# NanoDay 2022

## Thursday 22.09.2022

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

09:00 Greetings

09:15 - 10:45 Session I (in the multimedia lecture hall)

*Quantum Futur Grant: Towards Semiconductor Integrated Quantum Optical Networks*

**Michael Zopf**

Institute of Solid State Physics, Group Ding

*From nature to nanoparticles: new frontiers in calcium phosphate formation*

**David McDonogh**

Institute of Inorganic Chemistry, Group Gebauer

*Microfabrication of ion traps with Selective Laser-induced Etching*

**Jacob Stupp, Jannik Hertzberg, Julia Coenders**

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

10:45 Conference photo

10:50 - 11:20 Coffee break

11:20 - 12:20 Session II

*High Temperature Electron Diffraction on Organic Crystals:  
In situ Crystal Structure Determination of Pigment Orange 34*

**Yaser Krysiak**

Institute of Inorganic Chemistry, Group Polarz

*Optical Ramsey spectroscopy on a single molecule*

**Yijun Wang**

Institute of Solid State Physics, Light and Matter (Group Gerhardt)

12:30 - 13:30 Lunch break

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

15:15 - 16:45 Session III

*Molecular simulation of guest-host nonlinear optical materials*

**Nils M. Denda**

Institute of Inorganic Chemistry, Group Behrens

*High density, effective DC-DC conversion with Piezo resonators*

**Saurabh Kale**

Institute of Microelectronic Systems, Mixed-Signal-Circuits (Group Wicht)

*Controlling the position of nanoparticles on surfaces deposited by drop casting*

**Zhe Liu**

Laboratory for Emerging Nanometrology, TU Braunschweig (Group Etzkorn)

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

Follow-up: Get-together in the LNQE-research building to conclude the NanoDay 2022.

