



# NanoDay 2020

## Wednesday 07.10.2020

Video conference with nine talks  
See [WWW.LNQE.uni-hannover.de](http://WWW.LNQE.uni-hannover.de) for the access link

### Program

08:45 Log in

09:00 Start & Welcome

09:05 - 10:20 Session I

*Bridging the nano- and macroscale: functional nanocrystal gel networks*

**Daniel Zambo**

Institute of Physical Chemistry and Electrochemistry, Group Bigall

*Li-S battery: shuttle effect & sluggish kinetics*

**Yuping Liu**

Institute for Solid State Physics, Group Zhang

*From Schneiderberg into space - A journey from microelectronics to sophisticated solar cells*

**Jan Krügener**

Institute of Electronic Materials and Devices, Group Osten

10:20 - 10:40 Break

10:40 - 11:55 Session II

*Migration Mechanisms and Separation of Nanoparticles in Electrophoretic Gel Experiments*

**Matthäus Barasinski**

Institute for Particle Technology, Group Garnweither

*Unexpected quantum emission from surface quantum dots*

**Xin Cao**

Institute for Solid State Physics, Group Ding

*Anisotropic ZnO: Shaping Symmetry in Nanoparticle Superstructures*

**Sebastian Theiss**

Institute of Inorganic Chemistry, Group Polarz

11:55 - 12:15 Break

12:15 - 13:30 Session III

*Better in tandem - upgrading silicon solar cells with perovskites*

**Sarah Kajari-Schröder**

Institute for Solar Energy Research, Group Brendel

*Mössbauer spectroscopy - From molecular switches to space*

**Franz Renz**

Institute of Inorganic Chemistry, Group Renz

*Yes we TEM! The electron microscopy group at LENA*

**Markus Etzkorn**

Institute of Applied Physics & Laboratory for Emerging Nanometrology

13:30 Closing