

NanoDay 2018

Thursday 27.09.2018

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)

Defibrillation of Soft Porous Metal-Organic Frameworks with Electric Fields

Alexander Knebel

Institute of Physical Chemistry and Electrochemistry, Group Caro & Hannover School for Nanotechnology

Plasmon spectroscopy: How one-dimensional are atomic gold chains?

Zamin Mamiyev

Institute for Solid State Physics, Group Pfnür & Hannover School for Contacts in Nanosystems

Nano-calorimetry – a different way of gas sensing

Maria Allers

Institute for Electrical Engineering and Measurement Technology, Group Zimmermann & Hannover School for Nanotechnology

10:45 Conference photo

10:50 - 11:20 Coffee break

11:20 - 12:20 Session II

Non Noble Metal Based Plasmonic Nanoparticles

Rasmus Himstedt

Institute of Physical Chemistry and Electrochemistry, Group Dorfs & Hannover School for Nanotechnology

Application of passivating poly-Si on oxide (POLO) junctions for Si-based tandem solar cells

Robby Peibst

Institute for Electronic Materials and Devices, Group Osten & Institute for Solar Energy Research Hamelin, Group Brendel

12:30 - 13:30 Lunch break

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

15:00 - 16:30 Session III

Preparation of Nanoparticle-Drug conjugates for Biomedical Applications

Sibel Türkhan

Institute of Organic Chemistry, Group Kirschning

Fabrication of Compact (/Next Generation) Atom Chips with Microproduction Technology

Alexander Kassner

Institute of Micro Production Technology, Group Wurz

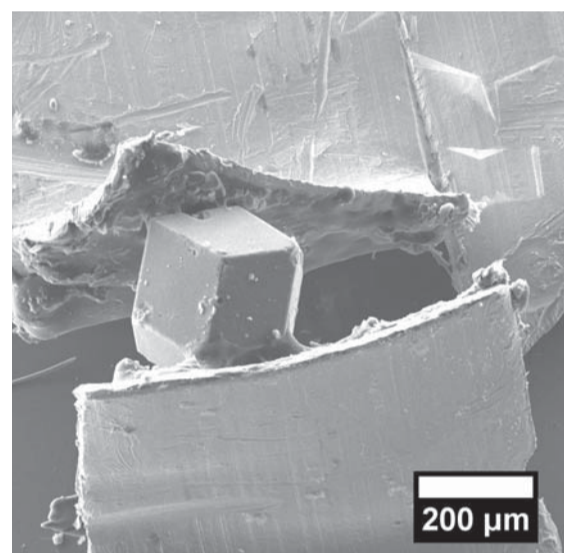
3D Assemblies of Semiconductor Nanoparticles for Application in Photoelectrochemical Sensing

Anja Schlosser

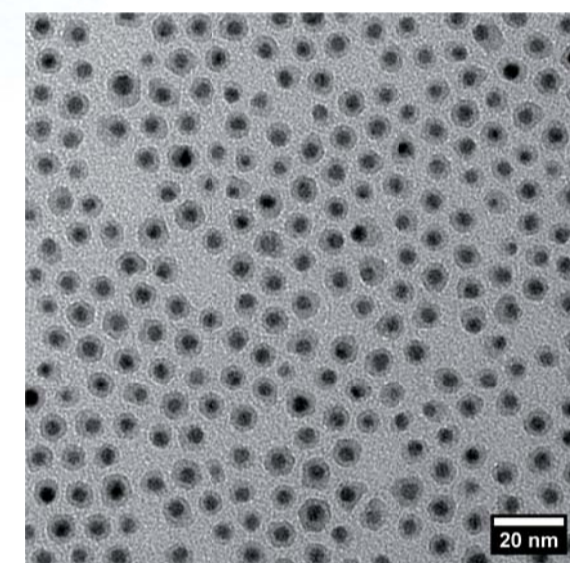
Institute of Physical Chemistry and Electrochemistry, Group Bigall & Hannover School for Nanotechnology

16:30 - 16:45 Award ceremony of the poster prize

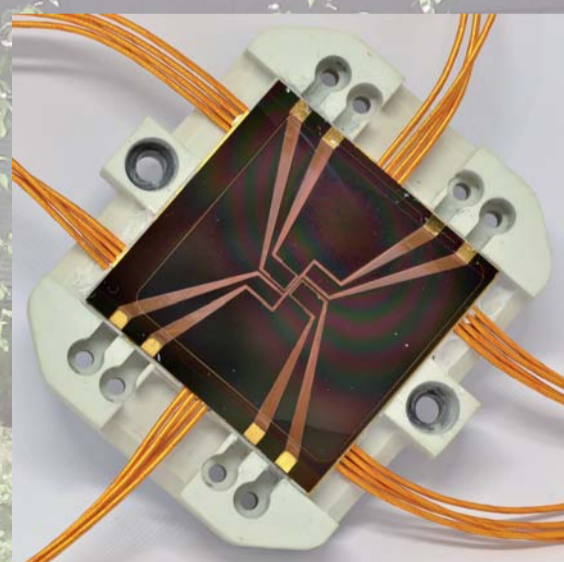
Follow-up: Get-together in the LNQE-research building to conclude the NanoDay.



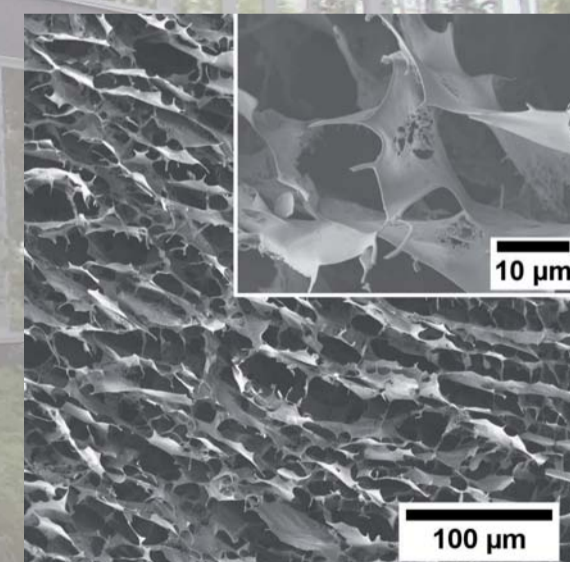
A giant ZIF-8 single crystal between segments of copper adhesive tape is used to measure polarization curves of the material and check for the origin of the electric field induced switching. (A. Knebel, J. Caro / PCI)



TEM image of plasmonic gold-nickel sulfide core-shell nanoparticles. (R. Himstedt, D. Dorfs / PCI)



Atom chip with mesoscopic sub-system. (A. Kassner / IMPT)



SEM images of a cryoaerogel coated photoelectrode. (A. Schlosser, F. Lübke, N. C. Bigall / PCI)