

Nanoforum 2013

30. - 31.05.2013

Management Building HS 15

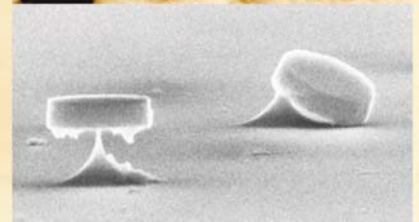
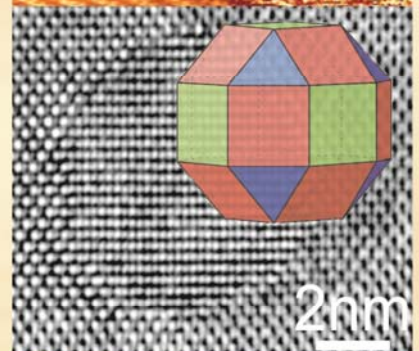
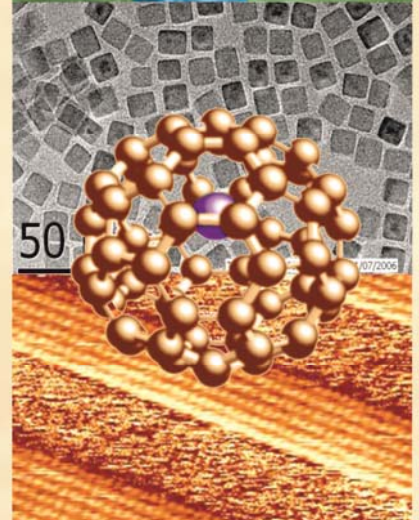
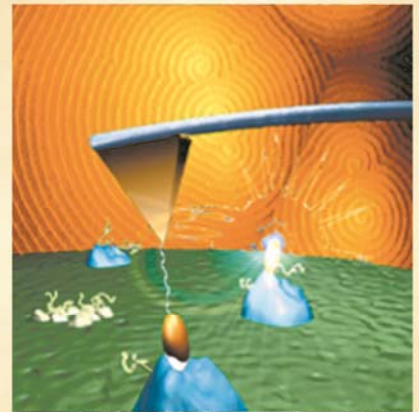
Seminar 322.235

Topical Fields:

- Bio-Nanophysics
- Quantum Dots
- Modeling
- Nanoanalytics
- Nanodevices

+ workshop on
Nanoimprint Lithography

organizers:
T. Fromherz, F. Schäffler, Abteilung Halbleiterphysik



Do., 30.05.2013

| time | speaker/tentative title | topical field |
|-------|--|---|
| 13:30 | coffee | |
| 13:50 | opening | |
| 14:00 | Elisabeth Lausecker (JKU) <i>Nanoimprint lithography - An Overview</i> | Nano Imprint Lithography Workshop |
| 14:30 | Robert Fader (Fraunhofer IISB Erlangen) <i>Substrate conformal imprint lithography for photonic applications</i> | |
| 15:00 | Thomas Rothländer (Joanneum Research Weiz) <i>Nanoimprinted organic electronics</i> | |
| 15:30 | break | |
| 16:00 | Fabian Haas (FZ-Jülich) <i>Ordering of GaAs/InAs nanowires</i> | |
| 16:30 | Wolfgang Hackl (Profactor) <i>Structuring of Graphene by nanoimprint lithographie</i> | |
| 17:00 | Richard Wollhofen (JKU) <i>Sub 100 nm lithography using visible light photons</i> | Alternative Lithography |

Fr. 31.05.2013

| time | speaker/tentative title | topical field |
|-------|--|-----------------|
| 09:30 | Sandra Posch (JKU) <i>Activation induced morphological changes and integrin αIIbβ3 activity of living platelets</i> | Bio-Nanophysics |
| 10:00 | Johannes Preiner (JKU) <i>These IgGs are made for walkin': Random antibody movement on bacterial and viral surfaces</i> | |
| 10:30 | Frank Müh (JKU) <i>Structure-based simulation of light-harvesting in plants</i> | |
| 11:00 | break | |
| 11:30 | E. M. Eggeling (AIT) <i>Development of a CMOS-integrated tunneling magneto-resistance biosensor for lab-on-a-chip sepsis diagnostics</i> | Nano-Devices |
| 12:00 | Thomas Faust (LMU München) <i>On-chip transduction and coherent control of nanomechanical resonators</i> | |
| 12:30 | Rinaldo Trotta (JKU) <i>Strain-tunable quantum dot devices</i> | |
| 13:00 | lunch | |
| 14:30 | Harishankar Jayakumar (Univ. Innsbruck) <i>Time-bin entanglement via coherent excitation of a quantum dot</i> | Quantum Dots |
| 15:00 | Sarah Müller (TU Wien) <i>Magnetic field effects on the current fluctuations of a Kondo quantum dot out of equilibrium</i> | |
| 15:30 | Mohammad Rashidi (JKU) <i>Radio-Frequency Scanning Tunneling Microscopy of Hydrocarbon Free Radicals</i> | Nanoanalytics |
| 16:00 | Dominik Göbl (JKU) <i>Quantitative analysis of surfaces and ultra-thin layers by ion scattering</i> | |
| 16:30 | end | |