

Internal Workshop of the



September 28 – 30, 2003

Kloster Seeon am Chiemsee

Program:

Sunday, September 28, 2003

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| 8.00h | Departure of conference bus from Geschwister-Scholl-Platz 1 (University Main Building) |
| 8.20h | Departure of conference bus from Munich Ostbahnhof (bus terminal) |
| 9.45h | Arrival at Kloster Seeon; Klosterweg 1, 83370 Seeon |
| 10.30h–12.00h | Registration |
| 12.00h– 12.50h | <i>Lunch</i> |
| 12.50h – 13.00h | Welcome |
| 13.00h – 13.30h | Reinhard Guckenberger
<i>High-resolution imaging of single fluorescent molecules with a new probe for scanning near-field optical microscopy</i> |
| 13.30h – 14.00h | Daan Wouters
<i>Probe lithography and chemical modification of nanometer-sized structures</i> |
| 14.00h – 14.30h | Gunnar Raschke
<i>A Single Gold Nanoparticle Sensor for Biomolecular Recognition</i> |
| 14.30h – 15.00h | Alexander Högele
<i>Spectroscopy on single self-assembled quantum dots</i> |
| 15.00h – 15.30h | Nenad Ocelic
<i>Infrared near-field microscopy of focused ion beam patterned SiC</i> |
| 15.30h – 16.00h | <i>Coffee Break</i> |
| 16.00h – 16.30h | Claudia Friedsam
<i>Investigation and manipulation of single polyelectrolyte molecules adsorbed on solid supports by the use of an AFM</i> |

16.30h – 17.00h	Ulrich Gerland <i>The use of nanopores for RNA structure determination</i>
17.00h – 17.30h	Marc Tornow <i>Controlled release of immobilized DNA into electrolyte solution</i>
17.30h – 18.00h	Schwaiger, Ingo <i>Single molecule mechanics of proteins</i>
18.00h – 18.30h	Christine Meyer <i>Nanotweezers - detection of their deflection</i>
18.30h – 19.00h	Elisabeth Lupton <i>Siloxane Elastomers under Tensile Stress: A First Principles Molecular Dynamics Study</i>
19.00h – 20.30h	<i>Dinner</i>
20.30h – 22.00h	Poster Session Group 1

Monday, 29.09.2003

7.30h – 9.00h	<i>Breakfast</i>
9.00h – 10.00h	Christoph Strunk <i>The current phase relation in proximity coupled Josephson junctions</i>
10.00h – 10.30h	Frank Wilhelm <i>Engineering quantum (de)coherence in superconducting devices</i>
10.30h – 11.00h	<i>Coffee Break</i>
11.00h – 12.00h	Thomas Palberg <i>Mobility and Charge Determination from Electrokinetic Experiments on Isolated Charged Colloidal Spheres, Colloidal Fluids and Crystals</i>
12.00h – 13.30h	<i>Lunch</i>
13.30h – 14.00h	Simon Keller <i>Dynamics of DNA measured by fluorescence correlation spectroscopy</i>
14.00h – 14.30h	Xaver Schlagberger <i>Dynamics of Driven Polymers</i>

14.30h – 15.00h	Friedrich Simmel <i>Experiments on DNA in electric fields</i>
15.00h – 15.30h	Wendy Huynh <i>Templating Nanostructures with DNA</i>
15.30h – 16.00h	<i>Coffee Break</i>
16.00h – 17.00 h	Werner Kunz <i>Some aspects of modern electrolyte chemistry</i>
17.00h – 17.30h	Udo Beierlein <i>Driving current through organic molecules</i>
17.30h – 18.00h	Michael Sindel <i>Quantum dots coupled to polarized leads - NRG study</i>
18.00h – 19.00h	Yuval Oreg <i>Many body phenomena in artificial atoms</i>
19.00h – 20.30h	<i>Dinner</i>
20.30h – 22.00h	Poster Session Group 2

Tuesday, 30.09.2003

7.30h – 9.00h	<i>Breakfast</i>
9.00h – 9.30h	Eduardo Mendoza <i>Signal transport in the chemical compass of eucaryotic cells</i>
9.30h – 10.00h	Don C. Lamb <i>Single Molecule Studies of RNA Polymerase</i>
10.00h – 10.30h	Robert Stark <i>Transient forces in dynamic atomic force microscopy</i>
10.30h – 11.00h	<i>Coffee Break</i>
11.00h – 11.30h	Christian Hellriegel <i>Single Molecule Spectroscopy and Microscopy in Nanostructured Molecular Sieves</i>
11.30h – 12.00h	Lorenz Kampschulte <i>STM, TDS and LEED examinations of trimesic acid on single crystal surfaces</i>
12.00h – 13.30h	<i>Lunch</i>
15.00h	Departure of conference bus from Kloster Seeon Klosterweg 1, 83370 Seeon
16.25h	Arrival of conference bus at Munich Ostbahnhof (bus terminal)
16.45h	Arrival at Geschwister-Scholl-Platz 1 (University Main Building)