Program

Monday, 19 April 1999

9:30 h	Welcome Jörg P. Kotthaus, CeNS, LMU München
10:00 h	Hermann Gaub, CeNS, LMU München „Biomolecules - progammable, self-organizing nanoscopic lego-blocks“
11:00 h	coffee break
11:30 h	Supriyo Datta, Purdue University, USA „What is the resistance of a molecule?“
12:30 h	lunch
14:00 h	Ulrich Lemmer, CeNS, LMU München „Lasers and solar cells with flexible organic materials“
14:30 h	Klaus Müllen, MPI für Polymerforschung, Mainz „The role of supramolecular chemistry in nanoscience“
15:30 h	Wilhelm Zwerger, CeNS, LMU München „Topological effects and universal force fluctuations in nanocohesion“
16:00 h	coffee break
16:30 h	Axel Lorke, CeNS, LMU München „Rectification in ballistic electron ratchets“
17:00 h	Joachim Spatz, University of Ulm „Ordered deposition of metallic and oxidic nanoparticles from diblock copolymer micelles“
17:30 h	Khaled Karraï, CeNS, LMU München „Nano-optical spectroscopy on semiconductor quantum dots“
18:00 h	dinner
19:00 h	poster session

Tuesday, 20 April 1999

9:30 h	Jochen Feldmann, CeNS, LMU München „Nano-optics with surface plasmons“
10:30 h	Achim Wixforth, CeNS, LMU München „Sound's great: Surface acoustic wave experiments on nanostructures“
11:00 h	coffee break
11:30 h	Hans Huiberts, Philips Research Labs, Eindhoven, Netherlands „Polymer light emitting diodes: From discovery to product“
12:30 h	lunch
14:00 h	Thomas Bein, Purdue University, USA „Stabilization of molecular conductors and other species in nanostructured hosts“
15:00 h	Volker Saile, IMT, Forschungszentrum Karlruhe „From research to products – Lessons from commercialization efforts of microsystems“
16:00 h	coffee break
16:30 h	Wolfgang M. Heckl, CeNS, LMU München „Molecular self-assembly“
17:30 h	Robert Blick, CeNS, LMU München „Kicking electrons with nanomechanical resonators“

18:00 h dinner

19:00 h poster session

Wednesday, 21 April 1999

9:30 h Pierre Petroff, UC Santa Barbara, USA
„Self-assembly of semiconductors, mechanisms and prospects“

10:30 h Johann Peisl, CeNS, LMU München
„Characterization of nanostructures by scattering methods“

11:00 h coffee break

11:30 h Paul Alivisatos, UC Berkeley, USA
„Semiconductor nanocrystals, assembly and applications“

12:30 h lunch

Thursday, 22 April 1999

9:30 h Michel Devoret, CEA-Saclay, France
„Electronic conduction through nanostructures“

10:30 h Jürgen Köhler, CeNS, LMU München
„Spectroscopy of single light-harvesting complexes from purple photosynthetic bacteria“

11:00 h coffee break

11:30 h Tim Salditt, CeNS, LMU München
„Structure and interactions of supramolecular phases probed by high-resolution x-ray scattering“

12:00h Markus Seitz, CeNS, LMU München
„Polymers at solid surfaces: Biocompatibility and biological function“

12:30 h lunch

14:00 h James K. Gimzewski, IBM Zürich, Switzerland
„Manipulation of individual molecules“

15:00 h Christoph Bräuchle, CeNS, LMU München
„Optical detection and manipulation of single molecules“

16:00 h coffee break

16:30 h Peter Fratzl, Universität Leoben, Austria
„Nanostructure of biomatter“

17:30 h Manfred Radmacher, CeNS, LMU München
„Nanomechanics of cells“

18:30 h Reception and Buffet Dinner

Friday, 23 April 1999

9:30 h R. Stanley Williams, Hewlett Packard, Palo Alto, USA
„Opportunities for nanotechnologies“

10:30 h Wolfgang Parak, CeNS, LMU München
„Biophysics of cell-semiconductor-hybrids“

11:00 h coffee break

11:30 h Daniel Loss, University of Basel, Switzerland
„Quantum computation with nanostructures, requirements and prospects“

12:30 h Closing Remarks