UNIVERSITÄT LEIPZIG

Program of International Workshop
"Self-assembly of complex nanostructures"
FAHL Academia 2006

Monday, 2006-09-25

9:00 Welcome address

9:15 Dr. Marko Burghard, MPI für Festkörperforschung, Stuttgart
Carbon nanotubes and Vanadiumpentoxide nanostructures

10:00 Dr. Evgeni Kaidashev, Russian State University, Rostov-on-Don
Pulsed laser deposition (PLD) of ZnO nanowires

10:45–11:15 Coffee break

11:15 Rüdiger Schmidt-Grund, Universität Leipzig
Towards cylindrical ZnO resonators with coaxial Bragg-reflectors

12:00 Dr. Friedrich C. Simmel, LMU München, CeNS
DNA nanodevices and DNA self-assembly

13:00–14:00 Lunch

14:15 Prof. Dr. Paul Ziemann, Universität Ulm
Macromolecular self-organization to prepare ordered arrays of nanoparticles: properties & first applications

15:00 Prof. Dr. Goran Ungar, University of Sheffield
Bulk self-assembly of wedge-shaped molecules

15:45–16:15 Coffee break

16:15 Dr. Anders Mikkelsen, Lund University
Tailoring the growth of III-V nanowires

17:00 Dr. Maria Tchernycheva, CNRS Marcoussis
III-V nanowires elaborated by Au-assisted molecular beam epitaxy

17:45 Jens Bauer, Universität Leipzig
The growth behavior of upright GaAs-nanowires in MOVPE and their structural properties

20:00 Dinner in Panorama Restaurant, Augustusplatz 9

Tuesday, 2006-09-26

9:00	Guided city tour Meeting place: Augustusplatz/Mendebrunnen
10:00	Bus transfer to KUBUS Meeting place: Goethestraße/corner to Richard-Wagner-Str.
10:30–12:00	Poster session (with coffee)
12:00	Dr. Kornelius Nielsch, Max-Planck-Institut für Mikrostrukturphysik, Halle/S *Complex nanostructures by atomic layer deposition*
13:00–14:00	Lunch
14:00	Ronny Kaden, Universität Leipzig *Recent results on and perspectives of cylindrite structures*
14:45	Hendrik Paetzelt, Universität Leipzig *Fabrication and characterisation of $A_{III}B_{V}$ nano- and microtubes*
15:30–15:45	Coffee break
15:45	Prof. Dr. Harald Krautscheid, Universität Leipzig *Metal-organic frameworks (MOFs) – synthesis, structures, applications*
16:30	Karsten Goede, Universität Leipzig *Selective peptide attachment to semiconductor surfaces*
17:15	Dr. Michael Bachmann, Universität Leipzig *Numerical simulation of peptides*
	Closing remarks
18:00	Prospective end of workshop