

Joint Workshop: "Nanoscience: linking disciplines", 27.09.-1.10.2004, Venice International University

Time	Monday 27-SEP-2004	Tuesday 28-SEP-2004	Wednesday 29-SEP-2004	Thursday 30-SEP-2004	Friday 1-OCT-2004
9:30	Opening	-	-	-	-
9:45	Lars Samuelson <i>Nanoscience education and Nanowire research @ Lund University</i>	Andreas Zumbusch <i>CARS-microscopy: High resolution microscopy without labels</i>	Stefan Hell <i>Fluorescence Nanoscopy through Reversible Optically Saturable Transitions</i>	Vladimir Shalaev <i>Plasmonic Nanophotonics</i>	Patrick Cramer <i>The multiprotein machine for gene transcription</i>
10:30	Bert Nickel <i>Diffraction techniques to access (bio-)molecular ordering at hard interfaces</i>	Klaus Ensslin <i>Semiconductor nanostructures and quantum information processing</i>	Alexander Högele <i>Spectroscopy of single self-assembled quantum dots</i>	Dieter Braun <i>Interfacial Forces move DNA in Thermal Gradients</i>	Xi Zhang <i>From Interfacial Self-assembly to Macromolecular Nanostructures</i>
11:15	Coffeebreak	Coffeebreak	Coffeebreak	Coffeebreak	Coffeebreak
11:45	Andreas Engel <i>The Basel Nanoscale Science Program for Bachelor and Master Students</i>	Khaled Karrai <i>Laser cooling of microlevers</i>	Jan von Delft <i>Anderson-Excitons: the effect of a Fermi sea on emission and absorption spectra</i>	Manfred Radmacher <i>Investigation of cellular and molecular activity by AFM</i>	Birgitta Whaley <i>Rational design of optimally coherent solid state nanostructures</i>
12:30	Lunch	Lunch	Lunch	Lunch	Lunch
14:30	Naomi Halas <i>Nanoshells: New tools for manipulating light at the nanoscale</i>	Peter Grütter <i>Contacting nanoelectronic structures by SPM techniques</i>	Informal Discussions	Christiane Ziegler <i>Nanobioanalysis for medical applications</i>	
15:15	Fritz Simmel <i>Functional nucleic acids as components of DNA nanodevices</i>	Hans-Andreas Engel <i>Efficiency of general qubit measurements and readout of spin qubits via charge detection</i>		Mark Welland <i>Novel methods in nanostructuring</i>	
16:00	Coffeebreak	Coffeebreak		Coffeebreak	
16:30	Wolfgang Parak <i>Biological applications of colloidal nanoparticles</i>	Roger S. Goody <i>Studies of intracellular vesicular transport mechanisms</i>		Erwin Frey <i>Nanomechanics of Microfilaments</i>	
17:15	Christoph Gerber <i>A novel biosensing and diagnostic method based on nanomechanics</i>	John Lupton <i>Nanoscale Optoelectronics</i>		Andrey Rogach <i>Energy transfer with semiconductor nanocrystals</i>	
18:00	Welcome reception	Dinner		Dinner	
18:45		Poster Session I		Poster Session II	