

CeNS Workshop 2011: Nanosciences – From molecular systems to functional materials / VIU, San Servolo, (Italy) / September 19 – 23, 2011

Time	Monday, September 19th	Tuesday, September 20th	Wednesday, September 21st	Thursday, September 22nd	Friday, September 23rd	Time	
09:00	Boat departing at 9:00	Boat departing at 9:00	Boat departing at 9:00	Boat departing at 9:00	Boat departing at 9:00	09:00	
09:20	Daniel Müller Cell mechanics and the biophysics of membrane proteins	Evelyn Hu Gap-mode plasmonic cavities: Engineering light-matter interactions in metallic structures	Paolo Lugli Solution based Carbon Nanotube films for electronics and optoelectronics applications	Klaus Sengstock Quantum simulation of frustrated classical magnetism in triangular optical lattices	Sunny Xie Life at the single molecule level	09:20	
10:05	Helmut Grubmüller Conformational dynamics in biological nanomachines: Atomistic simulation and single molecule experiments	Markus Antonietti Artificial photosynthesis and heterogeneous organo-catalysis by carbon nitrides	William Shih Self-assembled DNA-nanostructure tools for molecular biophysics	Bert Nickel An organic dual gate field effect transistor for biosensing	Jörg Schmalian Non-equilibrium dynamics in graphene: Perfect fluid behavior and stimulated emission of photo-excited fermions	10:05	
10:50	Coffee break	Coffee break	Coffee break	Coffee break	Workshop ending	10:50	
11:15	Gerd Binnig The first moments of STM and some thoughts about the future of nanotechnology	Sebastian Gönnenwein Voltage-controlled spin mechanics	Hiroaki Misawa Plasmon-assisted photocurrent generation system	Stefan Duhr Some like it hot - Biomolecular Interaction Studies using Microscale Christine Wurm Structure and dynamics in Actin networks	Boat leaves at 11:20/12:10 Train to Munich leaves at 13:34 h from train station	11:15	
12:00	Lunch (12:00 h - 14:30 h)	Lunch (12:00 h - 14:30 h)	Allan MacDonald Order in graphene	Lunch (12:15 h - 14:30 h)		12:00	
14:30	Klaus Ensslin Graphene quantum circuits	Carlos Silva Exciton dynamics in semicrystalline polymeric semiconductors	Lunch (12:45)	Uri Banin Hybrid metal-semiconductor nanoparticles; From photocatalysis to doping		14:30	
15:15	Oliver Schmidt Fundamental concepts and potential applications of strainable and shapeable nanomembranes	Posters Session I & Coffee		Informal Discussions		Posters Session II & Coffee	15:15
16:00	Coffee break		Eric Stava Nanomechanical and microfluidic control over ion channels				16:00
16:30	Hagen Klauk Low-voltage organic transistors and circuits for flexible electronics						16:30
17:15	Thomas Carell Chemical studies of genome maintenance and stem cell development	Jeff Gore Cooperation, cheating, and collapse in microbial ecosystems	Jörn Dunkel Hydrodynamics of microorganisms			17:15	
18:00	Welcome reception	Andreas Wallraff Exploring the quantum physics of light with micro- and nanoelectronic circuits					18:00