

CeNS Workshop 2010: Nanosciences – Merging Disciplines / Venice International University, San Servolo (Italy) / September 20 – 24, 2010

Time	Monday, September 20th	Tuesday, September 21st	Wednesday, September 22nd	Thursday, September 23rd	Friday, September 24th	Time
9:00	<i>Boat departing at 9:00</i>	<i>Boat departing at 9:00</i>	<i>Boat departing at 9:00</i>	<i>Boat departing at 9:00</i>	<i>Boat departing at 9:00</i>	9:00
9:20	Mildred S. Dresselhaus The Promise of Nano-Materials for Energy Related Applications	Laurens (Kobus) Kuipers Nanoscale light control	Don Lamb Aging and Viruses: What single molecules reveal about the Nemeses of Life	Edward A. Bayer Designer cellulosomes as a viable macromolecular platform for the nanosciences	Claudia Veigel Basic mechanism of myosin motors studied at the single molecule level	9:20
10:05	Lukas Schmidt-Mende Nanostructured Organic and Hybrid Solar Cells	Andrey A. Lutich Optical manipulation of gold nanoparticles: from basics to applications	Zan Luthey-Schulten Molecular and cellular studies of dynamical networks in translation	Tim Liedl DNA Origami and DNA Tensegrity	Uwe Bunz Conjugated Polymers of the PPE type and their Gold Nanoparticle Complexes	10:05
10:50	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	10:50
11:15	Kostya S. Novoselov Materials in the Flatland	Ben Feringa In Control of Molecular Assembly & Motion	Ulrich Schollwöck Relaxation dynamics in finite closed quantum systems	Xiang Zhang Optical Meta Materials and Nano Plasmonics	Michel Brune Quantum theory of measurement at work by photon counting in a box	11:15
12:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	Departure: Boat leaves at 12:10 and 12:40 Bus leaves at 14:00 from Piazzale Roma	12:00
14:30	Johan Hofkens In situ monitoring of catalysis at the nanoscale	Nadia Ruthardt Live-cell imaging and single-particle tracking of polyplex internalization	Informal discussions	Jelena Vuckovic Quantum dots in photonic crystals: from cavity QED to optical switches and quantum gates		14:30
15:15	Christian Ochsenfeld Quantum-Chemical Calculation of Intermolecular Interactions for Molecular Systems with 1000 and More Atoms	Ulrike Gaul Decoding regulatory gene networks – towards a systems biology of development		Achim Hartschuh Enhancing and localizing light-matter interaction using optical antennas		15:15
16:00	<i>Coffee break</i>	<i>Coffee break</i>		<i>Coffee break</i>		16:00
16:30	Teun M. Klapwijk Superconducting nano-sensors for THz radiation detection	Klaus Müllen Graphene as Unique Multitalent – Catalyst, Semiconductor, Nanowire, Protein Template		Laurens Molenkamp Dirac Fermions in HgTe Quantum Wells		16:30
17:15	Leo P. Kouwenhoven Quantum Opto-Electronics with Semiconducting Nanowires and Carbon Nanotubes	Short presentation of selected posters I		Short presentation of selected posters II		17:15
18:00 - 20:00	Welcome reception					Poster Session I