

NANOFORUM 2009

Johannes Kepler Universität Linz, Managementzentrum, HS 15 (SIEMENS VAI Saal)

THURSDAY, 11 June 2009

09:30 - 10:05	Daniel Primetzhofer JKU Linz	<i>Vanishing energy loss for slow ions in large band gap insulators</i>
10:05 - 10:40	Heiko Groiss JKU Linz	<i>Formation of PbTe quantum dots and their coherent {001} rock-salt / zinc-blende interfaces</i>
10:40 - 11:15	Thibaut Devillers CEA Greonoble & JKU Linz	<i>Self-assembled ferromagnetic GeMn nanocolumns: a new magnetic semiconductor ?</i>
11:15 - 11:30	Coffee Break	
11:30 - 12:05	Sophie Cazottes Montanuniversität Leoben	<i>Advanced TEM techniques for nanostructured materials investigations</i>
12:05 - 12:40	Maryna Bodnarchuk JKU Linz & Univ. Chicago	<i>Novel iron-oxide based nanocrystals and their superlattices</i>
12:40 - 14:00	Lunch Break	
14:00 - 14:35	Quirin Unterreithmeier LMU München	<i>Nonlinear Dynamics in Nanomechanical Systems employing Novel Transduction Schemes</i>
14:35 - 15:10	Elvis Mujagic TU Wien	<i>Photonic engineering of vertically emitting intersubband lasers</i>
15:10 - 15:45	Markus Axmann JKU Linz	<i>In situ determination of the cell receptor interaction kinetics using single molecule fluorescence microscopy techniques</i>
15:45 - 16:00	Coffee Break	
16:00 - 16:35	Leonhard Prechtel TU München	<i>Optoelectronic Properties of Carbon Nanotube Hybrid Systems</i>
16:35 - 17:10	Ana Diaz ESRF Grenoble & JKU Linz	<i>Imaging of individual epitaxial nanostructures by coherent x-ray diffraction</i>
Social program for all speakers:		
18:00 - 19:30	Guided tour through the Ars Electronica Center	
19:30	Dinner in the Ars Electronica Center (CUBUS)	

FRIDAY, 12 June 2009

09:00 - 09:35	Stefan Janecek JKU Linz	<i>Density functional theory calculations in strong magnetic fields</i>
09:35 - 10:10	Dmitrii Nabok Montanuniversität Leoben	<i>Importance of van der Waals interactions in weakly bound systems</i>
10:10 - 10:30	Coffee Break	
10:30 - 11:15	Günther Weidlinger JKU Linz	<i>Organic thin film growth on metal surfaces</i>
11:15 - 11:50	Markus Mangold TU München	<i>Gold Nanoparticle Arrays as a Platform for Molecular Electronics</i>
11:50 - 12:25	Wolfgang Parz TU Wien	<i>Probing of static and dynamical intersubband gain properties in quantum cascade lasers</i>
12:25 - 13:45	Lunch Break	
13:45 - 14:20	Stefan Birner TU München	<i>nextnano - a versatile tool for the simulation of nanostructures</i>
14:20 - 14:55	Martyna Grydlik JKU Linz	<i>Ordered SiGe islands on Si (001) for spectrally narrow photoluminescence</i>
14:55 - 15:15	Coffee Break	
15:15 - 15:50	Johannes Preiner JKU Linz	<i>High-speed AFM study of antibody-antigen binding dynamics on biological membranes</i>
15:50 - 16:25	Elisabeth Lausecker JKU Linz & Princeton University	<i>Self-aligned Imprint Lithography and Multilevel Imprint Mold for Thin-film Transistor Fabrication</i>

