



International Conference New Materials in the Age of Convergence March 12-16, 2012

Colegio Universitario San Gerónimo de La Habana. La Habana Vieja. Cuba

SCIENTIFIC PROGRAM

Sunday 11		Monday 12 Chair:	Tuesday 13 Chair:	Wednesday 14 Chair:	Thursday 15 Chair:	Friday 16 Chair:	
<div>17.00 - 19:00</div> <div>REGISTRATION</div> <div>Hotel Telégrafo Prado y Neptuno H. Vieja</div> <div></div>	9:00-9:40	Welcome and opening remarks (E. Estévez)	A. T. Skeltorp (NOR) Self-Assembly and Symbolic Dynamics.	K.W.J. Barnham (UK) Concentrator Photovoltaics	R.Cao (CUB) Cyclodextrins as building blocks in nanosystems	I. Gebeshubert (My) Nanobiocoherence	
		OPENING TALK Leo Kadanoff (USA) Excellence in computer simulations					
	9:50-10:30	C. Trallero (CUB) Elementary excitations of exciton-polariton condensates in microcavities.	M. Avalos (MEX) Characterization of metallic nanoparticles by electron microscopy: current methods.	C. Pinto de Melo (BR) Biological and Photonics Applications of Fluorescent Metal/(Conducting Polymer) Nanocomposites.	M. López López (MEX) Self-assembling of III-V and III-N semiconductor nanostructures.	R.Grossinger (AUS) Physics of magnetocaloric materials for energy saving systems.	
	10:40-11:20	A. Romero (MEX) Trends in nanostructure materials: from semiconductors to magnetism.	J.O. Fossum (NOR) Clays in Materials Physics	E. Reguera (CUB) Artificial Photosynthesis: From Nanotechnology to New Routes in Renewable Energy.	J.Piqueras (ESP) Doped semiconductor oxide nanowires. Thermal synthesis, structural and optical properties.	CLOSURE TALK L. A. Montero (CUB) CNDOL Hamiltonians for wave functions to approach nanoscopic systems and their excitonic properties	
	11:20-11:45	COFFE BREAK					
	11:50-12:10	H.Lemmettyinen (FIN) Carbon nanotubes and fullerenes as photo-voltaic materials.	A. Rivera (CUB) Porous minerals based drugs: potential applications.	G. Rodríguez (CUB) Purified natural clinoptilolite: raw material for pharmaceutical industry.	M. C. Tamargo (USA) Wide Band Gap II-VI Nanostructures for Sensors and Energy Systems	<div> UNIVERSIDAD DE LA HABANA</div>	
	12:15-12:35	E. Vigil (CUB) Nanocrystalline thin films of CuxO-TiO2 composite obtained by deposition inside TiO2 mesopores from solution nanovolumes.	O. Arias (CUB) Characterization of the SWCNT assembly on SAM-modified Au microelectrode surfaces using AFM and TEM.	R. Hidalgo Alvarez(ESP) Magnetorheological fluids: Particle effects.	M. Pomares (CUB) Analysis of ceramics by inductively coupled plasma optical emission spectroscopy and particle induced X-ray emission.		
	END OF MORNING SESSION						
	14:00-16:00			The Kavli prize in nanoscience Chairman: Arne T. Skjeltorp Poster Session I Casa México. H. Vieja	Poster Session II Casa México H. Vieja		
		School: Materials Science and Biomimetics Ille Gebeshubert, Werner Obermayr and Susanne Still					
School: Colloidal Systems and Complex Flows Louis Charles de Menorval and Serge Lagerge							

