

EMN Open Access Week

Time: October 22-26, 2012

Venue: The Hotel of University of Electronic Science and Technology of China, Chengdu, China

October 22st, Dinner Reception (18:00 PM)

On-site Registration

	Date	Time	Speaker	Talk title
Day 1	Session I			
	Session Chair: Emil Omurzak			
	22-Oct	8:30-9:00	Avik Ghosh	Electronics from the 'bottom-up': novel materials and switching principles for post-silicon computing
	22-Oct	9:00-9:30	Khian-Hooi Chew	Charge-induced alteration of Internal Electric Field and Polarization in Ferroelectric Superlattices with Intermixing Interfaces
	22-Oct	9:30-10:00	Shengfu Yang	Helium nanodroplets: a new route to nanoparticles
	22-Oct	10:00-10:30	Break	
	Session II			
	Session Chair: Khian-Hooi Chew			
	22-Oct	10:30-11:00	Emil Omurzak	Wurtzite-type ZnS nanoparticles by pulsed electric discharge
	22-Oct	11:00-11:30	Daniel Chua	Correlating physical models and dopant effects on the properties of diamond-like carbon nanocomposites
	22-Oct	11:30-12:00	Haitao Huang	Highly Ordered TiO ₂ Nanotubes for Dye-Sensitized Solar Cells
	22-Oct	12:00-12:15	Lei Gao	Observation of Ga Metal Droplet Formation on Photo-lithographically Patterned GaAs (100) Surface by Droplet Epitaxy
	Lunch Break			
	Session III			
	Session Chair: Feng Liu			
	22-Oct	14:30-15:00	Yujun Shi	Formation of Tungsten Carbides using Tungsten Metal in the Presence of an Organosilicon Molecule
	22-Oct	15:00-15:30	Thierry Maffei	Nanocrystalline ZnO for gas sensing and photovoltaic applications
	22-Oct	15:30-16:00	Linmao Qian	Transition from mechanical to tribochemical wear of single-crystalline silicon at nanoscale
	22-Oct	16:00-16:30	Break	
	Session IV			
Session Chair: Linmao Qian				
22-Oct	16:30-17:00	Tseung-Yuen Tseng	Electrochemical Performance of Manganese Oxide/Carbon Nanotube Nanocomposite	

				Pseudocapacitors
	22-Oct	17:00-17:30	Feng Liu	Kinetic descriptions for solidification, solid-state transformation and grain growth
	22-Oct	17:30-18:00	Abbas Ahmed Fardoun	To be determined
	Dinner			
	Date	Time	Speaker	Presentation
Day 2	Session V			
	Session Chair: Anlian Pan			
	23-Oct	8:30-9:00	Christoph Bubeck	Functional Polymer Films for Optoelectronics - Impact of Morphology on Optical Properties
	23-Oct	9:00-9:30	Shigehiko Hasagawa	Growth and characterization of III-nitride based dilute magnetic semiconductors and their nanostructures
	23-Oct	9:30-10:00	Shaohua Chen	The adhesion mechanism of a bio-inspired nano-film
	23-Oct	10:00-10:30	Break	
	Session VI			
	Session Chair: Christoph Bubeck			
	23-Oct	10:30-11:00	Javier Rodríguez Varela	Development and characterization of high performance nanocatalysts for acid and alkaline Direct Alcohol Fuel Cells
	23-Oct	11:00-11:30	Anlian Pan	Bandgap Graded Semiconductor Nanowires for Multicolor Nanophotonics
	23-Oct	11:30-12:00	Yuan-Hua Lin	To be determined
	Lunch Break			
	Session VII			
	Session Chair: Dongfeng Xue			
	23-Oct	14:00-14:30	Daxiang Cui	Development of Biosensors for Pre-warning of early gastric cancer
	23-Oct	14:30-15:00	Yuan Lin	To be determined
	23-Oct	15:00-15:30	Fahhad H. Alharbi	To be determined
	23-Oct	15:30-16:00	Break	
	Session VIII			
	Session Chair: Daxiang Cui			
	23-Oct	16:00-16:30	Fabio Variola	Nanoscale surface modifications of titanium to improve biological response
	23-Oct	16:30-17:00	Dongfeng Xue	Energy Storage Performances of Electrode Materials
	23-Oct	17:00-17:30	Laurent Billon	Hierarchically Structured Honeycomb : Biomimetic Materials?
23-Oct	17:30-18:00	Baohua Jia	Hybrid photonic crystals	

	Dinner			
Day 3	Date	Time	Speaker	Presentation
	Session IX			
	Session Chair: Jiang Wu			
	24-Oct	9:30-10:00	Vladimir Fomin	Phonon Heat Conduction in One-Dimensional Quantum-Dot Superlattices and Cross-Section Modulated Nanowires
	24-Oct	10:00-10:30	Alexander Govorov	Optically-active hybrid nanostructures: Exciton-plasmon interaction, Fano effect, and chirality
	24-Oct	10:30-11:00	Dongling Ma	Nanohybrids in Energy-Related Applications
	24-Oct	11:00-11:30	Udo Schwingenschlogl	Electronic and mechanical properties of 2D honeycomb materials
	24-Oct	11:30-11:45	ZongMin Ma	Surface Potential Measurements comparison in FM-, AM- and Heterodyne Amplitude-Modulation Kelvin Probe Force Microscopy
	24-Oct	11:45-12:00	Lili Kou	Investigation of Surface Potential of TiO ₂ by AFM&KPFM
	Lunch Break			
	Session X			
	Session Chair: Zhiming Wang			
	24-Oct	16:20-16:45	Yves L. Dory	Design, Synthesis and Characterization of Supramolecular Nanotubes and Nanospheres from Macrolactams with Alkenes, Alkynes and Aryls.
	24-Oct	16:45-17:10	Andrea Lenz	Atomic structure and stoichiometry of InGaAs/GaAs quantum dots on GaP(001)
	24-Oct	17:10-17:35	Kazuhiko Endo	Recent Progress in Double-Gate FinFET Technology
24-Oct	17:35-18:00	Yanjun Li	Identification of Al Atoms with Different Coordination on Al ₂ O ₃ /NiAl(110) Surface with NC-AFM	
Dinner				
Day 4	Open Access Day			
Day 5	Discussion and Networking			