

SUMMARY OF TECHNICAL PROGRAM

Sunday, December 14, 2014

16:00 – 18:00	Registration (Wei Hing Theatre, 6/F., Amenities Building)
18:00 – 20:00	Welcoming Reception (9/F. Restaurant, Amenities Building)

Monday, December 15, 2014

07:30 – 08:30	Registration (Wei Hing Theatre, 6/F., Amenities Building)
08:30 – 09:00	Welcome Remarks (Wei Hing Theatre, 6/F., Amenities Building) President KUO Way , City University of Hong Kong
Session I - Novel Properties of Nanomaterials I (Wei Hing Theatre) <i>Chairman: XIE Sishen, 中科院物理所, China</i>	
09:00 – 09:25	1.1 <i>Self-assembled chiral nanostructures: Formation and their applications</i> LIU Minghua , 国家纳米科学中心, China
09:25 – 09:50	1.2 <i>Recent Development in Fe-Chalcogenide Superconductors</i> WU Maw-Kuen , 國立東華大學, Taiwan
09:50 – 10:15	1.3 <i>Hierarchical nanostructured materials produced by top-down process, properties and applications</i> LU Jian , City University of Hong Kong, Hong Kong
10:15 – 10:30	<u>Tea Break</u>
Session II - Novel Properties of Nanomaterials II (Wei Hing Theatre) <i>Chairman: WU Maw-Kuen, 國立東華大學, Taiwan</i>	
10:30 – 10:55	2.1 <i>Probing the Structure and Dynamic Behaviors of Nanostructured Materials with Atomic Resolution in Real Time</i> PAN Xiaoqing , University of Michigan, USA
10:55 – 11:20	2.2 <i>Carbon and rich carbon -based Low Dimension Nanostructures</i> LI Yuliang , 中科院化学所, China
11:20 – 11:45	2.3 <i>In situ Tuning and Probing the Ambipolar Field Effect on Multiwall Carbon Nanotubes</i> CHANG Chia-Seng Jason , 中央研究院物理研究所, Taiwan
11:45 – 12:30	<i>Group Photo-Taking[U-Circle]</i>
12:30 – 13:30	<i>Lunch (City Top Restaurant, 9/F, Amenities Building)</i>

Session III A - Preparation and Manipulation of Nanomaterials I (Wei Hing Theatre) Chairman: WANG Ning, HKUST, Hong Kong		Session III B - Applications of Nanomaterials: Biological and Biomedical I (R6052) Chairman: GU Ning, 东南大学, China	
13:30 – 13:55	3.1.1 <i>Silanization of Solid Surfaces via Mercaptopropylsilatrane: A New Approach of Constructing Gold Colloid Monolayers</i> CHAU Lai-Kwan, 國立中正大學化學暨生物化學系, Taiwan	13:30 – 13:55	3.2.1 <i>Magnetic Nanoparticles: Preparations and Applications in Molecular Imaging of Tumors</i> GAO Mingyuan, 中科院化学所, China
13:55 – 14:20	3.1.2 <i>Metallic Nanostructures Made with Dip-Pen Nanodisplacement Lithography</i> ZHENG Zijian, The Hong Kong Polytechnic University, Hong Kong	13:55 – 14:20	3.2.2 <i>Nanoscissor for gene silencing and new drug formulation by PLGA nanocapsule</i> SHIEH Dar-Bin, 成功大學口腔醫學研究所, Taiwan
14:20 – 14:45	3.1.3 <i>Shifting Networks to Achieve Subgroup Symmetry Properties - A Story about Biomimicking Butterfly Wing Structure</i> HO Rong-Ming, National Tsing Hua University, Taiwan	14:20 – 14:45	3.2.3 <i>Globally Tracking Single Viruses Using Quantum Dots</i> PANG Dai-Wen, 武汉大学, China
14:45 – 15:10	3.1.4 <i>Patterning of Aligned Organic Nanowire Arrays on Substrates</i> ZHANG Xiujuan, 苏州大学, China	14:45 – 15:10	3.2.4 <i>Carbon Dots as Nanotheranostic Agents for Photodynamic Therapy and Imaging</i> WANG Pengfei, 中科院理化所, China
15:10 – 15:25	<i>Tea Break</i>		
Session IV A - Preparation and Manipulation of Nanomaterials II (Wei Hing Theatre) Chairman: ZHAO Huijun, 中科院合肥物质科学研究院, China		Session IV B - Applications of Nanomaterials: Energy, Environment & Catalyst I (R6052) Chairman: LIN Kuan-Jiuh, 中興大學, Taiwan	
15:25 – 15:50	4.1.1 <i>Perfect Ultra-Long Carbon Nanotube and Its Application</i> WEI Fei, 清华大学, China	15:25 – 15:50	4.2.1 <i>Functional Nanocatalysts for Energy and Environmental Applications</i> FUNG Kuan-Zong, 成功大學材料系, Taiwan
15:50 – 16:15	4.1.2 <i>Toward In-situ Characterization of Nanomechanics: Mechanisms and reinforcement in the mechanical properties and interfacial performances using carbon-based materials</i> JENG Yeau-Ren, National Chung Cheng University, Taiwan	15:50 – 16:15	4.2.2 <i>Designing Wide Spectrum Responsive Photoanode Nanomaterials</i> YU Jimmy, The Chinese University of Hong Kong, Hong Kong
16:15 – 16:40	4.1.3 <i>Functional Nanomaterials Enabled by Convenient Electrochemical Methods</i> LI Yangyang, City University of Hong Kong, Hong Kong	16:15 – 16:40	4.2.4 <i>Nano Composites Materials with Mono-dispersed Noble Pd Nanoparticles As Useful Catalysts</i> SONG Weiguo, 中科院化学所, China
16:40 – 17:05	4.1.4 <i>Characteristics of Si(111) surface with embedded C84 molecules</i> HO Mon-Shu, 國立中興大學, Taiwan	16:40 – 17:05	4.2.4 <i>Fabrication of Magnetic Nanocatalysts for Hydrogenations</i> CHEN Chuh-Yung, 國立成功大學化工系, Taiwan
17:05	<i>Dinner (Seafood Island, Po Tai O)</i>		

Tuesday, December 16, 2014

Session V A - Applications of Nanomaterials: Biological and Biomedical II (Wei Hing Theatre) <i>Chairman: CHENG Chia-Liang, 國立東華大學物理系, Taiwan</i>		Session V B - Preparation and Manipulation of Nanomaterials III (R6052) <i>Chairman: TANG Zikang, HKUST, Hong Kong</i>	
09:00 – 09:25	5.1.1 Self-decomposable SiO ₂ nanoparticle carrier drugs — sustained release and enhanced drug efficacy LI Quan, The Chinese University of Hong Kong, Hong Kong	09:00 – 09:25	5.2.1 Vapor Phase Hydrothermal Control Growth of High Reactive Nanocrystal Facets ZHAO Huijun, 中科院合肥物质科学研究院, China
09:25 – 09:50	5.1.2 High performance Mn-Zn Ferrite Nanocrystals as the core of Passive/Active-Targeted Agents for Magnetically-Induced Cancer Theranostics GU Ning, 东南大学, China	09:25 – 09:50	5.2.2 Nickel Ion Chain development by DNA template CHANG Chia-Ching, 交通大學, Taiwan
09:50 – 10:15	5.1.3 Tracking cells with the aid of smart nanoparticles XU Chenjie, Nanyang Technological University, Singapore	09:50 – 10:15	5.2.3 Engineering of Chiroplasmon and Investigation in the Molecule-Chiroplasmon Interaction HUANG Zhifeng, Hong Kong Baptist University, Hong Kong
10:15 – 10:40	5.1.4 Antimicrobial agents against multidrug-resistant bacteria based on nanoparticles JIANG Xingyu, 国家纳米科学中心, China	10:15 – 10:40	5.2.4 Compression of Graphene in Polymer Matrix ZHANG Zhong, 国家纳米科学中心, China
10:40 – 10:55	<u>Tea Break</u>		
Session VI A - Applications of Nanomaterials: Biological and Biomedical III (Wei Hing Theatre) <i>Chairman: PANG Dai-Wen, 武汉大学, China</i>		Session VI B - Preparation and Manipulation of Nanomaterials IV (R6052) <i>Chairman: WEI Fei, 清华大学, China</i>	
10:55 – 11:20	6.1.1 The Nano-Bio Interface and Nanoparticle Behavior in Biofluids MA Yunn-Hwa, 長庚大學, Taiwan	10:55 – 11:20	6.2.1 Remote molecular magnetic switch for metallofullerene Sc ₃ C ₂ @C ₈₀ WANG Chunru, 中科院化学所, China
10:55 – 11:20	6.1.2 Peptide-based isolation of circulating tumor cells by magnetic nanoparticles WANG Chen, 国家纳米科学中心, China	10:55 – 11:20	6.2.2 Colloidal Bimetallic Nanostructures WANG Jianfang, The Chinese University of Hong Kong, Hong Kong
11:20 – 11:45	6.1.3 Inhibition Mechanism of Gold-Lycopene Nanoemulsion on Colon Cancer Cell CHEN Bing-Huei, 輔仁大學, Taiwan	11:20 – 11:45	6.2.3 Aligned Carbon Nanotube films: Engineering and Applications LI Qingwen, 中科院苏州纳米所, China
11:45 – 12:10	6.1.4 Analysis on drug loading and efficiency of nanodiamond-cancer drug complexes for application in drug delivery CHENG Chia-Liang, 國立東華大學物理系, Taiwan	11:45 – 12:10	6.2.4 Measurement of atomic radius using monochromic visible light TANG Zikang, The Hong Kong University of Science and Technology, Hong Kong
12:10 – 14:00	<i>Lunch (House of Canton, Festival Walk)</i>		

Session VII A - Applications of Nanomaterials: Energy, Environment & Catalyst II (Wei Hing Theatre) <i>Chairman: HSU Chain-Shu,</i> <i>交通大學, Taiwan</i>		Session VII B - Applications of Nanomaterials: Optoelectronics and Electronics I (R6052) <i>Chairman: HUANG Jung-Chun-Andrew,</i> <i>國立成功大學, Taiwan</i>	
14:00 – 14:25	7.1.1 <i>Plasmonic Antireflective TiO₂ Nanowires for Improved Efficiency of Energy-saving Devices</i> LIN Kuan-Jiuh, 中興大學, Taiwan	14:00 – 14:25	7.2.1 <i>Excitonic Circular Dichroism of Chiral Semiconductor Nanocrystals</i> TANG Zhiyong, 国家纳米科学中心, China
14:25 – 14:50	7.1.2 <i>Polymer Nanostructures for Flexible Energy Storage Devices</i> WEI Zhixiang, 国家纳米科学中心, China	14:25 – 14:50	7.2.2 <i>Anatomy of SOI Micro-ring Resonator</i> CHEN Yung Jui, 國立中山大學, Taiwan
14:50 – 15:15	7.1.3 <i>Nanostructural and Interface Engineering for Low-cost and High-performance Solar Energy Devices</i> YANG Shihe, The Hong Kong University of Science & Technology, Hong Kong	14:50 – 15:15	7.2.3 <i>ZnO Nanostructured Optoelectronic Devices and Sensors</i> ZHANG Yue, 北京科技大学, China
15:15 – 15:40	7.1.4 <i>Ultrathin nanocrystals and their interface-based catalytic properties</i> WANG Xun, 清华大学, China	15:15 – 15:40	7.2.4 <i>High-performance biosensors based on solution-gated organic transistors</i> YAN Feng, The Hong Kong Polytechnic University, Hong Kong
15:40 – 15:55	<i>Tea Break</i>		
Session VIII A - Applications of Nanomaterials: Energy, Environment & Catalyst III (Wei Hing Theatre) <i>Chairman: XIAO Xudong,</i> <i>The Chinese University of Hong Kong, Hong Kong</i>		Session VIII B - Applications of Nanomaterials: Optoelectronics and Electronics II (R6052) <i>Chairman: TANG Zhiyong,</i> <i>国家纳米科学中心, China</i>	
15:55 – 16:20	8.1.1 <i>Well-defined Graphenal Polymers for Energy Storage Applications</i> ZHI Linjie, 国家纳米科学中心, China	15:55 – 16:20	8.2.1 <i>High Sensitive Plasmonic Dipolar Anti-bonding Mode of Gold Nanoantennas in Evanescent Waves</i> CHEN Kuo-Ping, 交通大學, Taiwan
16:20 – 16:45	8.1.2 <i>Nano Structure Enhanced Polymer Solar Cells</i> HSU Chain-Shu, 交通大學, Taiwan	16:20 – 16:45	8.2.2 <i>Light Emission Enhancement from Organic Light-Emitting Diodes with Honeycomb Layer Structures and Modified Interfaces</i> LIAO Liang-Sheng, 苏州大学, China
16:45 – 17:05	8.1.3 <i>One-Dimensional Core-Shell Semiconductor Nanowire Arrays for Photoelectrochemical Water Splitting</i> LIU Bin, 新加坡南洋理工, Singapore	16:45 – 17:05	8.2.3 <i>Spectral conversion in core-shell nanoparticles</i> WANG Feng, City University of Hong Kong, Hong Kong
17:05 – 17:30	8.1.4 <i>MoS₂/Graphene Oxide Nanocomposite as Photocatalyst for Carbon Dioxide Reduction</i> HSU Hsin-Cheng, 國立台灣大學凝態中心, Taiwan	17:05 – 17:30	8.2.4 <i>Carbon Nanotube Based Flexible Supercapacitors with Omni-Directional Stretchability</i> ZHOU Weiya, 中科院物理所, China
17:30 – 18:15	POSTER SESSION		
18:30	<i>Conference Banquet (Super Star Seafood Restaurant, Tsim Sha Tsui Shop)</i>		

Wednesday, December 17, 2014

Session IX A - Applications of Nanomaterials: Biological and Biomedical IV (Wei Hing Theatre) Chairman: SUN Chi-Kuang, 國立台灣大學, Taiwan		Session IX B - Applications of Nanomaterials: Energy, Environment & Catalyst IV (R6052) Chairman: YAN Feng, PolyU, Hong Kong	
09:00 – 09:25	9.1.1 Targeted Destruction of Cancer Stem Cells by Nanomedicine YANG Michael M., City University of Hong Kong, Hong Kong	09:00 – 09:25	9.2.1 Probing the Electron States and Metal-Insulator Transition Mechanisms in Atomically Thin MoS2 WANG Ning, The Hong Kong University of Science & Technology, Hong Kong
09:25 – 09:50	9.1.2 The ATP-binding cassette transporter G1 (ABCG1) is able to mediate cholesterol efflux through lipid rafts in the cell membrane XIE Qing, 北京大学第三医院, China	09:25 – 09:50	9.2.2 Conjugated Polymer/Nanocrystal Nanocomposites for Renewable Energy Applications in Photovoltaics WEI Kung-Hwa, 國立交通大學材料系, Taiwan
09:50 – 10:15	9.1.3 in situ Nano-Fatigue Study of 1-D Nanomaterials LU Yang, City University of Hong Kong, Hong Kong	09:50 – 10:15	9.2.3 Bandgap optimization of submicron thick Cu(In,Ga)Se2 solar cells XIAO Xudong, The Chinese University of Hong Kong, Hong Kong
10:15 – 10:40	9.1.4 Orchid virus and C-reactive protein detection by direct measurement of nanobeads ’ Brownian diffusion SHEEN Horn-Jiunn, 國立台灣大學, Taiwan	10:15 – 10:40	9.2.4 Pyrolysis-synthesised MoSe2 nanoplates for high performance sodium-ion batteries : first-principles and electrochemical assessment JIANG Yang, 合肥工业大学, China
10:40 – 10:55	Tea Break		
Session X A - Applications of Nanomaterials: Biological and Biomedical V (Wei Hing Theatre) Chairman: WANG Chen, 国家纳米科学中心, China		Session X B - Characterization of Nanomaterials (R6052) Chairman: LIU Minghua, 国家纳米科学中心, China	
10:55 – 11:20	10.1.1 Smart, multifunctional bio-inspired interfacial materials WANG Zuankai, City University of Hong Kong, Hong Kong	10:55 – 11:20	10.2.1 Two dimensional ternary atomic layers: synthesis, characterizations and properties SONG Li, 中国科技大学, China
11:20 – 11:45	10.1.2 Nano-theranostics for imaging-guided photo therapy of tumor: fighting cancer metastasis LIU Zhuang, 苏州大学, China		11:20 – 11:45
11:45 – 12:10	10.1.3 In Vivo Super-Resolution Imaging in Deep Tissues SUN Chi-Kuang, 國立台灣大學, Taiwan	11:45 – 12:10	
12:10-12:35	10.1.4 Poking cells for efficient intracellular delivery SHI Peng, City University of Hong Kong, Hong Kong		
12:35 – 13:00	Closing Ceremony Conference Chair ZHANG Wenjun, City University of Hong Kong		
13:00 – 14:30	Lunch (City Top Restaurant, 9/F, Amenities Building)		

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