

[Oral Session]

Wednesday Morning, 23th October 2013

ROOM IB-101

Plenary Lecture (60 min including 10 min discussion)		
Keynote Lecture (40 min including 8 min discussion)		
Invited and oral Lecture (20 min including 5 min discussion)		
09:15-09:30	opening	
<i>Chair: Toyoko Imae</i>		
09:30-10:30	PL01	Kazunori Kataoka (<i>The University of Tokyo, Japan</i>) Targeted Chemo- and Molecular-Therapy by Self-Assembled Supramolecular Nanodevices from Functionalized Block Copolymers
10:30-10:50	Coffee Break	
<i>Chairs: Wonho Kim & Yasuro Niidome</i>		
10:50-11:10	FIL01	Hsien-Tang Chiu (<i>National Taiwan University of Science and Technology, Taiwan</i>) The use of analytical centrifugation in the characterization of correlation between dispersibility and functional performances of polymeric nanosolutions
11:10-11:30	F01	A.S. Gnedenkov (<i>Institute of Chemistry of Far Eastern Branch of Russian Academy of Sciences, Russia</i>) Kinetics and mechanism of magnesium alloys corrosion in the chloride-containing media
11:30-11:50	F02	Paola G. Pittoni (<i>National Taiwan University of Science and Technology, Taiwan</i>) Evaporation of water drops on polymer surfaces: pinning, depinning and dynamics of the triple line
11:50-12:10	F03	Takeshi Kawai (<i>Tokyo University of Science, Japan</i>) Free-standing monolayer of highly ordered Au NPs
12:10-12:30	FIL02	Sung Soo Park (<i>Pusan National University, Republic of Korea</i>) Free-Standing and Periodic Mesoporous Organosilica Films

ROOM IB-201

<i>Chairs: Shinichiro Ohgaki & Jhy-Chien Liu</i>		
10:50-11:30	CKL01	Shinichiro Ohgaki (<i>Japan Water Research Center, Japan</i>) Science and Technology for Sustainable Water Use and Management
11:30-11:50	CIL01	Jhy-Chien Liu (<i>National Taiwan University of Science and Technology, Taiwan</i>) Modified Activated Carbon for Boron Removal from Wastewater
11:50-12:10	C01	Makoto Soyama (<i>NEC Corporation, Japan</i>) Highly Functional Bioplastics Used for Electronic Products
12:10-12:30	CIL02	Won-Ki Lee (<i>Pukyong National University, Korea</i>) Degradation Behavior of Biodegradable Polyesters: Single Crystal and Monolayer

ROOM IB-202

<i>Chairs: Bruno Ameduri & Lu-Sheng Hong</i>		
10:50-11:10	EIL01	Suwabun Chirachanchai (<i>Chulalongkorn University, Thailand</i>) Development of Imidazole Derivatives and Investigation of Hydrogen Bond Network and Molecular Mobility in Inducing Proton Conductivity
11:10-11:30	E01	Yusuke Yamauchi (<i>National Institute for Materials Science (NIMS), Japan</i>) 'Designed Assembly' toward Functional Nanoporous Materials: Synthesis and Applications
11:30-11:50	E02	Kevin C.W. Wu (<i>National Taiwan University, Taiwan</i>) Multi-functionalized Mesoporous Silica Nanocatalysts for Cellulosic Biomass Conversion
11:50-12:10	EIL02	Moon Jeong Park (<i>Pohang University of Science and Technology (POSTECH), Korea</i>) Polymer Electrolytes Integrated with Ionic Liquids for Future Electrochemical Devices
12:10-12:30	EIL03	Ch. Subrahmanyam (<i>Indian Institute of Technology Hyderabad, India</i>) Role of nanosized catalysts in nonthermal plasma assisted co-processing of green-house gases for energy applications

12:30 -14:30	Lunch Break (Su Huang 蘇杭) and Poster Session (IB 1st and 2nd floors)
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Wednesday Afternoon, 23th October 2013

ROOM IB-101

<i>Chairs: Marie-Pierre Krafft</i>		
14:30-14:50	FIL03	Wonho Kim (<i>Pusan National University, Republic of Korea</i>) Preparation of 1,2,3-Triazole Crosslinked Polymers for a Binder
14:50-15:10	F04	Yuji Yamashita (<i>Chiba Institute of Science, Japan</i>) Evaluation of Surfactant Potency for Non-ionic Surfactants by Thin Layer Chromatography: Alternative Indexation to HLB
15:10-15:30	F05	Kinjal J. Shah (<i>National Taiwan University of Science and Technology, Taiwan</i>) Modification of clay surface with quaternary ammonium salts to control hydrophobicity
15:30-15:50	F06	Yushi Ozawa (<i>Okayama University, Japan</i>) Template-Free Fabrication of Cylindrical Macropore Array in SnO ₂
15:50-16:10	Coffee Break	

<i>Chair: Hsien-Tang Chiu</i>		
16:10-16:30	F07	Masanori Fujii (<i>Kyushu University, Japan</i>) Aggregates of metal nanoparticles for efficient laser-induced desorption/ionization processes
16:30-17:10	FKL01	Marie-Pierre Krafft (<i>Institut Charles Sadron (CNRS), France</i>) Perfluoroalkylated chains are powerful tools for the engineering and control of interfaces in molecular self-assembled systems
17:10-17:30	F08	Yasuro Niidome (<i>Kyushu University, Japan</i>) Gold-Silver-Shelled Gold Nanorods Standing on an ITO Plate

ROOM IB-201

<i>Chairs: Toshimi Shimizu</i>		
14:30-14:50	B01	HanHsiu Hsu (<i>University of Tsukuba, Japan</i>) Developing Kidney Culture with Collagen I, IV, V Scaffolds
14:50-15:10	CIL03	Chih-Huang Weng (<i>I-Shou University, Taiwan</i>) Ultrasound Enhanced Advanced Fenton Process Decolorization of Methylene Blue Catalyzed by Fe ⁰ Aggregates
15:10-15:30	BIL01	Chang-Sik Ha (<i>Pusan National University, Korea</i>) Controlled Drug Delivery of Hollow Mesostructured Materials
15:30-15:50	B02	Anyarat Watthanaphanit (<i>Nagoya University, Japan</i>) One-Step Production of Colloidal Gold Nanoparticles in Alginate Aqueous Solution
15:50-16:10	Coffee Break	
<i>Chair: Chang-Sik Ha</i>		
16:10-16:30	B03	Kensuke Osada (<i>The University of Tokyo, Japan</i>) Design of polyplex micelles for systemic gene delivery toward pancreatic cancer therapy
16:30-16:50	B04	Yoshiko Miura (<i>Kyusyu University, Japan</i>) Protein Separation by Glycopolymer Grafted Membranes
16:50-17:10	B05	Kanjiro Miyata (<i>The University of Tokyo, Japan</i>) Enhanced Nucleic Acids Delivery by Fine-tuning Repeated Aminoethylene Structures in Polyaspartamide Side Chain
17:10-17:30	BIL02	Toshimi Shimizu (<i>National Institute of Advanced Industrial Science and Technology (AIST), Japan</i>) Attoliter Chemistry in Supramolecular Self-Organized Nanotubes

ROOM IB-202

<i>Chairs: Suwabun Chirachanchai</i>		
14:30-14:50	EIL04	Yu-Lin Kuo (<i>National Taiwan University of Science and Technology, Taiwan</i>) Preparation of Gd ₂ O ₃ -doped CeO ₂ nanoparticles by atmospheric pressure plasma jet
14:50-15:10	E03	Yutaka Takaguchi (<i>Okayama University, Japan</i>) Synthesis and Photocatalytic Properties of Coaxial Nanohybrids Based on Single-walled Carbon Nanotube and Fullerodendron
15:10-15:50	EKL01	Bruno Ameduri (<i>Institut Charles Gerhardt – UMR (CNRS), France</i>) Controlled Radical (co)Polymerization of Fluoroalkenes and Applications
15:50-16:10	Coffee Break	
<i>Chair: Dong-Hau Kuo</i>		
16:10-16:30	MIL01	Yasuaki Einaga (<i>Keio University, Japan</i>) Electrochemical application of boron-doped diamond electrodes
16:30-16:50	M01	Ampornphan Siriviriyannun (<i>National Taiwan University of Science and Technology, Taiwan</i>) Hybridization of Graphene Oxide/Dendrimer as a Potential Drug Carrier
16:50-17:10	M02	Wei Sun (<i>Fudan University, China</i>) V-Shaped Polymer Brushes Functionalized Surfaces with Reversibly Specific Stimulus-Responsible Wettability
17:10-17:30	M03	Li Jing (<i>Beijing Forestry University, China</i>) Acid Modification on Interface of Basalt Fiber Reinforced Composites

Thursday Morning, 24th October 2013

ROOM IB-101

<i>Chair: Kazunori kataoka</i>		
9:15-10:15	PL02	Donald A. Tomalia (<i>The National Dendrimer & Nanotechnology Center, USA</i>) Systematic Framework for Unifying and Defining Nanoscience: A Predictable Nano-Periodic System
10:15-10:30	Coffee Break	
<i>Chairs: Sergey V. Gnedenkov &</i>		
10:30-10:50	FIL04	Jingcheng Hao (<i>Shandong University, China</i>) Preparation and Functions of Highly Ordered Honeycomb-Patterned Pores
10:50-11:10	F09	Lei Zeng (<i>Huazhong University of Science and Technology, P R China</i>) A new insight to the mechanism of N-doped TiO ₂

11:10-11:30	F10	Kazuyoshi Nakamura (<i>Niigata University, Japan</i>) Adsorption of double-chain surfactant on to substrate surface
11:30-11:50	F11	Masaki Ujihara (<i>National Taiwan University of Science and Technology, Taiwan</i>) Confeito-like Au nanoparticles: Their synthesis and plasmonic behaviours
11:50-12:10	F12	Ayaka Inoue (<i>Kyushu University, Japan</i>) Exchanges of sodium cholate and DNAs with different chain length on single-walled carbon nanotubes
12:10-12:30	F13	Mahmoud Mohamed Mahmoud Ahmed (<i>National Taiwan University of Science and Technology, Taiwan</i>) Massive-Exfoliation of Graphene from Acceptor-Type GIC by Long-Chain Alkyl Amine

ROOM IB-201

<i>Chairs: Zhijun Zhang & Ming-Chien Yang</i>		
10:30-11:10	BKL01	Paul Dubin (<i>University of Massachusetts, USA</i>) Heparin oligomers as protein-specific tissue engineering scaffold linkers
11:10-11:30	BIL03	Mei-Chin Chen (<i>National Cheng Kung University, Taiwan</i>) Sustained Transdermal Delivery of Antigens using Embeddable Chitosan Microneedles for Intradermal Vaccination
11:30-11:50	B06	Osamu Shibata (<i>Nagasaki International University, Japan</i>) Mode of lateral interaction of partially fluorinated alcohols with dipalmitoylphosphatidylcholine
11:50-12:10	B07	Hirromichi Nakahara (<i>Nagasaki International University, Japan</i>) Langmuir monolayers of egg yolk lecithin with <i>n</i> -hexadecanoic acid, 1-hexadecanol, and their mixture
12:10-12:30	B08	Yukari Sato (<i>National Institute of Advanced Industrial Science and Technology (AIST), Japan</i>) Molecular Recognition Soft Interface for Detecting Carbohydrate and Lectin Weak Interactions

ROOM IB-202

<i>Chairs: Limin Wu &</i>		
10:30-10:50	MIL02	Atsushi Takahara (<i>Kyushu University, Japan</i>) Molecular Aggregation States and Physicochemical Properties of Novel (Organic/Inorganic) Hybrids from Halosite Nanotube
10:50-11:10	M04	Shuxue Zhou (<i>Fudan University, China</i>) Facile Fabrication of Durable Superhydrophobic Coatings Based on Titania Nanoparticles

11:10-11:30	M05	Daisuke Onoshima (<i>Nagoya University, Japan</i>) Quantum-Dot Imaging for Single-Molecule DNA Analysis in Microfluidic Device
11:30-11:50	M06	Tomoyuki Tajima (<i>Okayama University, Japan</i>) Fabrication of Novel Core-Shell Microspheres Consisting of Single-Walled Carbon Nanotubes and CaCO ₃ through Biomimetic Mineralization
11:50-12:10	M07	Alemu Tesfaye (<i>National Taiwan University of Science and Technology, Taiwan</i>) Thin Film Metallic Glass Indentation Recovery Ability at Different Annealing Conditions
12:10-12:30	MIL03	Vladimir Egorkin (<i>Institute of Chemistry of Far Eastern Branch of Russian Academy of Sciences, Russia</i>) Simulation of charge transfer mechanism at the protective coating/solution interface by means of electrochemical impedance spectroscopy data

12:30 -14:30	Lunch Break (Su Huang 蘇杭) and Poster Session (IB 1st and 2nd floors)
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Thursday Afternoon, 24th October 2013

ROOM IB-101

<i>Chairs: Renjie Zhang & Shi-Yow Lin</i>		
14:30-15:10	FKL02	Sergey V. Gnedenkov (<i>Institute of Chemistry of Far Eastern Branch of Russian Academy of Sciences, Russia</i>) Possibilities of plasma electrolytic oxidation for obtaining various kinds of composite coatings
15:10-15:30	FIL05	Zhaohui Su (<i>Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China</i>) Functional Thin Films via Ion Exchange in Polyelectrolyte Multilayers
15:30-15:50	F14	Satoshi Nakata (<i>Hiroshima University, Japan</i>) Self-propelled motor with memory based on the nonlinearity
15:50-16:10	Coffee Break	
16:10-16:30	F15	Tomoyasu Hirai (<i>Kyushu University, Japan</i>) Precise Synthesis of Poly(α -methylene- γ -butyrolactone) and Characterization of its Surface Properties
16:30-16:50	F16	Shin-ichiro Kabashima (<i>Lion Corporation, Japan</i>) Characterization of Alkyl-Side-Chain Polymer Film and its Use for Release Coating
<i>Chair: Donald A. Tomalia</i>		
16:50-17:50	PL03	Shie-Ming Peng (<i>Institute of Chemistry, Academia Sinica and National Taiwan University, Taiwan</i>) Nanoelectronics: Molecular Metal Wires and Relative Molecular Materials

ROOM IB-201

<i>Chairs: Christopher Whiteley & Osamu Shibata</i>		
14:30-14:50	BIL04	Zhijun Zhang (<i>Suzhou Institute of Nano-tech and Nano-bionics, Chinese Academy of Sciences, China</i>) Development of Nanoscale Drug Delivery Systems and Bioimaging Contrast Agents
14:50-15:10	B09	Naoki Nagatani (<i>Okayama University of Science, Japan</i>) Gold nanoparticles based-biosensor for amplified DNA
15:10-15:30	B10	Hsing-Ying Lin (<i>National Chung Cheng University, Taiwan</i>) Direct Detection of Orchid Viruses Using Gold Nanorod-Based Fiber Optic Particle Plasmon Resonance Immunosensor
15:30-15:50	B11	Kenji Kono (<i>Osaka Prefecture University, Japan</i>) Gold nanoparticle-conjugated dendrimers as biofunctional nanomaterials
15:50-16:10	Coffee Break	
16:10-16:30	B12	Yoshie Aoki (<i>Nagoya University, Japan</i>) Introduction of Sulfated Groups to Calcium Alginate Beads Surface by Solution Plasma Process
16:30-16:50	BIL05	Takayuki Kurokawa (<i>Hokkaido University, Japan</i>) Design and Development of Novel Polyampholytic Hydrogel with Polyion Complex (IC) Structure

ROOM IB-202

<i>Chairs: Atsushi Takahara &</i>		
14:30-14:50	MIL04	Xiaosheng Fang (<i>Fudan University, P. R. China</i>) Low-dimensional Zinc Sulfide Nanostructures for Ultraviolet Photodetectors
14:50-15:10	M08	Berhanu Tulu (<i>National Taiwan University of Science and Technology, Taiwan</i>) Resistive Switching Characteristics of Metallic Glass Oxide Thin Films
15:10-15:50	MKL01	Yeshayahu (Ishi) Talmon (<i>Technion-Israel Institute of Technology, Israel</i>) Combining Cryo-TEM and Cryo-SEM in the Study of Nanostructured Liquid Systems
15:50-16:10	Coffee Break	
16:10-16:30	MIL05	Limin Wu (<i>Fudan University, China</i>) Self-assembly and Properties of Colloidal Particles
16:30-16:50	M09	Ilsiya M. Davletbaeva (<i>Kazan National Research Technological University, Russia</i>) Supramolecular Architecture of Polymers as the Basis of Obtaining Mesoporous Polymers

ROOM IB-12

18:30 -	Banquet (IB 12th floor)
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Friday Morning, 25th October 2013

ROOM IB-101

<i>Chair: Lai-Kwan Chau</i>		
9:15-10:15	PL04	Min Gu (Swinburne University of Technology, Australia) Superresolution optical data storage with material engineering
10:15-10:30	Coffee Break	
<i>Chair: Jingcheng Hao</i>		
10:30-10:50	FIL06	Renjie Zhang (Shandong University, China) Salt-induced fusion of capsules fabricated by the LbL self-assembly
10:50-11:10	F17	V.V. Vasilevskaya (Nesmeyanov Institute of Organoelement Compounds Russian Academy of Science, Moscow, Russia) Multiscale modeling of synthesis of highly crosslinked networks
11:10-11:30	F18	Isamu Kaneda (Rakuno Gakuen University, Japan) The solvent transportation behavior from agarose gels under compression
11:30-12:00	Award and Closing	

ROOM IB-201

<i>Chair: Paul Dubin</i>		
10:30-10:50	B13	Kenichi Nakashima (Saga University, Japan) Synthesis of Inorganic Hollow Nanoparticles by Templating Polymeric Micelles with Core-Shell-Corona Architecture
10:50-11:10	BIL06	Christopher Whiteley (National Taiwan University of Science and Technology, Taiwan) Biomedical Nanotechnology: Probing the Mechanism of Reversing Alzheimers Disease
11:10-11:30	B14	M. Hasnat Kabir (Yamagata University, Japan) Biomedical application of smart transparent shape memory gel

ROOM IB-202

<i>Chair: Yeshayahu Talmon</i>		
10:30-10:50	MIL06	Yury Shchipunov (Institute of Chemistry, Russian Academy of Sciences, Russia) Chitosan Bionanocomposites with Clay Nanoparticles Formed through Regulated Self-organization
10:50-11:10	M10	Saldin V.I. (Institute of Chemistry of Far Easter-Branch of Russian Academy of Sciences, Vladivostok, Russia) Advanced materials on base of dodecahydro-closo-dodecaborate anion $b_{12}h_{12}^{2-}$ compounds
11:10-11:30	OKL01	Yoshikazu Toyama (The University of Tokyo, Japan) Job-hunting current situation in the University of Tokyo

12:00 -	Lunch (Su Huang 蘇杭)
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