

Program

PL: Plenary Lectures: 60 minutes including discussion

I L: Invited Lectures: 30 minutes including discussion

OL: Oral Lectures: 15 minutes including discussion

Poster Session Schedule on July 14(Sat), 2007

Set up: 8:00-11:30, Removal: 16:30-17:30

Obligation time * The end letter of the Poster codes means the Poster Session code.

Session A: 12:45 - 13:15, Session B: 13:15 - 13:45, Session C: 16:00 - 16:30

July 13 (Fri), 2007

18:30 - 20:00	Registration (Hotel Nikko Niigata 30F)
19:30 - 20:30	Welcome Reception (Hotel Nikko Niigata 30F)

July 14 (Sat), 2007

8:00 - 19:00	Registration (Convention Center 3F Lobby)	
8:45 - 09:00	Opening Ceremony (Convention Center 3F Room 1) Prof. Yusuke Kawakami (Founder of ISAMAP, JAIST, Japan) & Prof. Toshiki Aoki (Chairman of 4 th ISAMAP, Niigata University, Japan)	
Plenary Lecture (Convention Center 3F Room 1) Chair: Prof. Yusuke Kawakami (Japan Advanced Institute of Science and Technology, Japan)		
9:00 - 10:00	PL01	Globalization of JSR Advanced Materials Business Yoshinori Yoshida (President of JSR Corporation, Japan)
Oral Session 1 10:00-11:30 (Convention Center 3F Room 1) Cochair: Prof. Chang-Sik Ha (Pusan National University, Korea) & Prof. Takashi Kaneko (Niigata University, Japan)		
10:00 - 10:30	IL01	A Mechanistic Consideration on the Formation of Cage-type POSS Derivatives Yusuke Kawakami (Japan Advanced Institute of Science and Technology, Japan)
10:30 - 11:00	IL02	Synthesis of a Novel POSS-based Material Having Carbazole, and Its Thermal, Electrochemical and Optical Properties Ichiro Imae (Hiroshima University, Japan)
11:00 - 11:15	OL01	Effects of Dendritic Silsesquioxane on Performance of Holographic Gratings Based on Photopolymer Film <u>Hoque Md. Asadul</u> , Yeong Hee CHO, and Yusuke Kawakami* (Japan Advanced Institute of Science and Technology, Japan)

11:15 - 11:30	OL02	Novel Holographic Polymer Dispersed Liquid Crystals Formed with Accelerated Multifunctional Acrylates Containing Siloxane Network <u>Yeong Hee CHO</u> , Go Suzuki, and Yusuke Kawakami* (Japan Advanced Institute of Science and Technology, Japan)		
11:30 - 12:45	Lunch			
Poster Sessions 12:45-13:45 (Convention Center 3F Room 2 & Lobby)				
12:45 - 13:15	Poster Session A			
13:15 - 13:45	Poster Session B			
Oral Session 2 13:45-15:30 (Convention Center 3F Room 1) Cochair: Prof. Tiesheng Li (Zhengzhou University, China) & Prof. Toshiki Aoki (Niigata University, Japan)				
13:45 - 14:15	IL03	Development of Catalytic Composites for Removal of Hazardous Compounds from Water <u>Nguyen Van Noi</u> , Tran Thi Nhu Mai, and Bui Quynh Trang (Hanoi University of Science, Vietnam)		
14:15 - 14:45	IL04	Design and Synthesis of Fluoroionophores and Surface-based Sensors for the Detection of Lithium and Ammonium Ions <u>Nantanit Wanichacheva</u> ¹ , Christopher R. Lambert ² , and W. Grant McGimpsey ² * (¹ Silpakorn University, Thailand and ² Worcester Polytechnic Institute, USA)		
14:45 - 15:15	IL05	Gas Transport Properties of Polyimide Ultrathin Membranes Hiroyoshi Kawakami (Tokyo Metropolitan University, Japan)		
15:15 - 15:30	OL03	Synthesis and Gas Permeation Properties of Poly(diphenylacetylene) Derivatives <u>Toshikazu Sakaguchi</u> ¹ ,* Toshio Masuda ² , and Tamotsu Hashimoto ¹ (¹ University of Fukui and ² Kyoto University, Japan)		
Coffee Break & Poster Session 15:30-16:30 (Convention Center 3F Room 2 & Lobby)				
15:30 – 16:00	Coffee Break			
16:00 - 16:30	Poster Session C			
Oral Session 3 16:30-18:45 (Convention Center 3F Room 1) Cochair: Prof. Nguyen Van Noi (Hanoi University of Science, Vietnam) & Prof. Masahiro Teraguchi (Niigata University, Japan)				
16:30 - 17:00	IL06	Intramolecular Cyclisation of Enamide Derivatives and Synthesis of Pyrrolidine <i>trans</i>-Lactams Anawat Ajavakom (Chulalongkorn University, Thailand)		
17:00 - 17:30	IL07	Development of Novel Polymer-supported Chiral Ligand for Asymmetric Reactions <u>Shinichi Itsuno</u> ,* Yukihiro Arakawa, Atsuko Chiba, Keiichi Tsuru, and Naoki Haraguchi (Toyohashi University of Technology, Japan)		

17:30 - 18:00	IL08	Synthesis and Applications of (Nitrilotriacetic Acid)- end-functionalized Polystyrene Su-jeong Kim, Hyo Kyoung Lee, Ji-Yeon Lee, Hong Y. Cho, Yu Jin Kim, Sun-Gu Lee, and <u>Hyun-jong Paik*</u> (Pusan National University, Korea)	
18:00 - 18:15	OL04	Grafting of Vinyl Polymers onto Silica Nanoparticles Surface in Solvent-free Dry-system <u>Jun Ueda</u> ¹ , Kazuhiro Fujiki ² , Takeshi Yamauchi ¹ , and Norio Tsubokawa ^{1*} (¹ Niigata University and ² Joetsu University of Education, Japan)	
18:15 - 18:30	OL05	Colloidal Crystallization of Colloidal Silica Modified with Iron(0) Complex-grafted Polymer in Organic Solvent <u>Kohji Yoshinaga</u> ,* Mahiro Nakano, and Emiko Mouri (Kyushu Institute of Technology, Japan)	
18:30 - 18:45	OL06	Amphiphilic Dendron-modified Silica Particles: Synthesis, Characterization, and Application on Organic Dye Adsorption in Water <u>Chih-Chien Chu</u> * and Toyoko Imae (Keio University, Japan)	
Banquet 19:00 - 21:00 (Hotel Nikko Niigata 30F)			

July 15 (Sun), 2007

Oral Session 4 8:00-10:00 (Convention Center 3F Room 1) Cochair: Prof. Hyun-jong Paik (Pusan National University, Korea) & Prof. Takaomi Kobayashi(Nagaoka University of Technology, Japan)			
8:00 - 8:15	OL07	Capacitively Coupled Air Plasma Etching of Polycarbonate <u>J. K. Kim</u> , Y. W. Joo, Y. H. Park, G. S. Cho, H. J. Song, and J. W. Lee* (Inje University, Korea)	
8:15 - 8:30	OL08	Capacitively Coupled O₂/N₂ RF Plasma Etching of Polymethyl methacrylate (PMMA) <u>Y. H. Park</u> , J. K. Kim, Y.W. Joo, J. H. Lee, G. S. Cho, and J. W. Lee* (Inje University, Korea)	
8:30 - 8:45	OL09	A Thermochemical Two-step Water Splitting Cycle with Magnetite-coated Ceramic Foam Device <u>Ayumi Nagasaki</u> , Koichi Sakai, Nobuyuki Gokon, and Tatsuya Kodama* (Niigata University, Japan)	
8:45 - 9:00	OL10	Processing of High Temperature Superconducting Bulk Materials and Their Application to Strong Magnetic Field Generators <u>Tetsuo Oka</u> ,* Yutaka Hirose, Hayato Kanayama, Hokuto Kikuchi, Satoshi Fukui, Jun Ogawa, Takao Sato, and Mitsugi Yamaguchi (Niigata University, Japan)	
9:00 - 9:30	IL09	Synthesis of the Liquid Silicon and Its Application for a Thin Film Transistor Tatsuya Shimoda (Japan Advanced Institute of Science and Technology, Japan)	
9:30 - 10:00	IL10	Studies and Application of Ultrathin Films <u>Tiesheng Li</u> ,* Wnjian Xu, Bing Mu, Luyan Mao, Suhua Zhang, and Yangjie Wu* (Zhengzhou University, China)	

Coffee Break 10:00 - 10:30 (Convention Center 3F Lobby)		
Oral Session 5 10:30-12:30 (Convention Center 3F Room 1) Cochair: Prof. Ichiro Imae (Hiroshima University, Japan) & Prof. Masayuki Yagi (Niigata University, Japan)		
10:30 – 11:00	IL11	Controlled Synthesis of Nanostructured ZnS by Soft-solution Processing and Its Application to Polymer Hybrid Materials Md. Habib Ullah and <u>Chang-Sik Ha</u> * (Pusan National University, Korea)
11:00 - 11:30	IL12	Effect of Silane-modification of Clay on the Mechanical Properties of Poly(L-lactide)/Clay Composites Jin San Yoon (Inha University, Korea)
11:30 - 11:45	OL11	Facil Synthesis of Free-standing PMO Films with Amorphous and Crystal-like Wall Structure <u>Sung Soo Park</u> and Chang-Sik Ha* (Pusan National University, Korea)
11:45 - 12:00	OL12	Preparation of Hybrid Material of Polymer-grafted Carbon Micro-coils and Thermo-sensitive Polymer Gel <u>Takeshi Yamauchi</u> ¹ , Shigenori Sato ¹ , Norio Tsubokawa ¹ , Kenji Kawabe ² , Yukio Hishikawa ² , and Seiji Motojima ³ (¹ Niigata University, ² CMC Technology Development Co. Ltd., ³ Gifu University, Japan)
12:00 - 12:15	OL13	Dielectric Study of Miscibility in Polymer Blends <u>Kazunori Se</u> * and Ryuusuke Shimaguchi (University of Fukui, Japan)
12:15 - 12:30	OL14	Crosslinking Points of Natural Rubber Vulcanizates <u>Seiichi Kawahara</u> *, Jinta Ukawa, and Yoshimasa Yamamoto (Nagaoka University of Technology, Japan)
Closing Remarks 12:30 - 12:45 (Convention Center 3F Room 1) Prof. Toshiki Aoki (Chairman of 4 th ISAMAP, Niigata University, Japan) & Prof. Tiesheng Li (Chairman of 5 th ISAMAP, Zhengzhou University, China)		

Organizing Committee Member ONLY

12:45 - 13:45	Organizing Committee Meeting (Convention Center 3F Room 3)
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