

Program

June 6, 2011(12:00~18:00), Monday

12:00~18:00 Registration

18:00~21:00 Welcome Party

Location: Lijing Hall

21:00~21:30 Setting up poster

- 1) Biomaterials**
- 2) Macromolecules**
- 3) Integrated Materials**

June 7, 2011(8:30~18:00), Tuesday

Welcome Ceremony

8:30~9:00 Location: Zijing Hall

Chairperson: Prof. Feng Wang

Opening Address by Vice President of BUCT

Prof. Tomokazu Iyoda

Prof. Wantai Yang

9:00~9:10 Photo

Plenary Lecture (35+5min)

Chairperson: Wantai Yang

9:10~9:50 Yoshio Okamoto

Structure Control of Polysaccharide Derivatives for Efficient Separation of Enantiomers by HPLC

Chairperson: Jun Nie

9:50~10:30: Paschalis Alexandridis

Self-Assembled Block Copolymer Templates for Nanoparticle Synthesis, Surface Modification, and Organization

Chairperson: Susumu Kuwabata

10:30~11:10 Wantai Yang

Industrial Controlled/living Radical Polymerizations: Exploration Beyond SFP/ATRP/RAFT

11:10~11:20 Tea Break

Invited Talk A (15+5min)

Chairperson: Robert Pelton

11:20~11:40 Jun Nie

Biomaterials prepared by photopolymerization

11:40~12:00 Yushu Matsushita

New Self-Assembly Manners in Three-Component Block Copolymer Systems– Linear vs Star Molecules

12:00~12:05 NPG Asia Materials given by Prof. Vacha

12:05~12:10 Encouragement for Exchange given by Iyoda

12:10~13:10 Lunch & Set up poster

Location: Ming Shi Ge Hall

13:10~14:20 Poster short presentation (3~4mins in one session)

| | A | B | C |
|--------------------|--|---|---|
| Chairperson | Prof. Takeshi Serizawa | Prof. Wencai Wang | Prof. Yoshiaki Nakamura |
| Location | The Tenth Meeting Room | The Fifteenth Meeting Room | The Twelfth Meeting Room |
| Name | Yuji Tsuchido, Yunxia Nie Li Cao Bo Chen Zhao Hui Hiromasa Kawai Qifeng Zhong Juntae Han Mikihiro Hayashi Junichi Yasuoka Toyoaki Hirata Jin Li Wanghui Chen | Lanlan Liu Wataru Makiguchi Quan Yannan Tatsuya Tomioka Lei Shi Ayumi Hatano Zhimin Sun Zheng Wei Risa Arai Motonori Komura Hiroshige Handa <u>Y.Zhu</u> | Shu Kaneko Ying Wang Takahiro Fujimori Haijing Liu Nanae Yamashita Linna Zhao Yasuaki Kimikado Lei Wang Yuichi Ikeda Mengxing Su Yuzuri Yasuda Seiji Yamashita Masayoshi Fuji Juntae Han |

14:20~18:10 Invited Talk B (15+5min) & Oral (10+3min)

Session A: Biomaterials

Location: The Tenth Meeting Room

Invited Talk B (15+5min)

Chairperson: Prof. Takeshi Serizawa

14:20~14:40 Keiji Nagai

Degradation of Organic Compounds Using Organophotocatalyst with p-n Junction Responsive to Full-Spectrum Visible Light

14:40~15:00 Fujian Xu

Polymeric gene vectors prepared via atom transfer radical polymerization

15:00~15:20 Martin Vacha

Absorption linear dichroism of single photosynthetic light-harvesting systems: the role of disorder in chlorosomes of green bacteria

15:20~15:40 Dongzhi Yang

A novel bioadhesive based on dextran

15:40~15:50 Tea Break

Chairperson: Fujian Xu

15:50~16:10 Lijun Song

Ionic Liquids-Mediated Hybridization of Au Nanoparticle and Cellulose: Synthesis, Selective-absorption, and Applications to SERS

Oral (10+3min)

16:10~16:23 Zhenghong Gao

Functionalization of Boron Nitride Nanotubes with Biomolecules in Aqueous Solution

16:23~16:36 Runguo Wang

Synthesis and Characterization of Itaconic Acid Biobased Engineering Elastomers

16:36~16:49 Jing-lian Qian

Preparation of colloidal crystal beads for 3D cell culture and multiplex cell detection

16:49~17:02 Jiqing He

Graft of Poly(l-lactide) Brushes onto the Surface of nano-Hydroxyapatite via ATRP

17:02~17:15 Wu Qijiayu

Paper-based thermo-responsive membrane: the configuration of grafted copolymer and enhanced protein adsorption

17:15~17:28 Jingying Gao

Fabrication of polyacrylonitrile (PAN) hollow microcapsules with double T-junction microfluidic device

17:28~17:41 Jin Lu

A Novel Glucose Sensor: GOx-Mediated Dual Signal Reporter Based On Conductive Hydrogel With Inverse Opal Structure

17:41~17:54 Hailan Kang

Toughening of Polylactide with Biobased Polyester Elastomer

Session B: Macromolecules

Location: The Fifteenth Meeting Room

Invited Talk B (15+5min)

Chairperson: Prof. Wencai Wang

14:20~14:40 Masaru Nakagawa

Adhesion force of UV-cured resin increased by low surface coverage of antisticking layer

14:40~15:00 Shipeng Wen

Fluorescence of Eu(TTA)₃Phen/EPDM electrospun ultrafine fibers

15:00~15:20 Xiaolong Jia

Effect of Silica Grafted Multi-walled Carbon Nanotubes on Properties of Pultruded Glass Fiber/Epoxy Composites

15:20~15:40 Atsushi Shishido

Periodic structures in azobenzene polymers

15:40~15:50 Tea Break

Chairperson: Prof. Motonori Komura

15:50~16:10 Wencai Wang

Surface Functionalization and Metallization via Mussel Adhesive Protein Inspired Coatings

16:10~16:30 Siti Sarah

Domain Spacing Variation of Diblock Copolymers in a Wide Range of Segregation Strength

16:30~16:50 Shoichi Kubo

Phase transition behaviors of homo- and co-polymers from cyanobiphenyloxyalkyl methacrylate synthesized by ATRP

Oral (10+3min)

16:50~17:03 Hideaki Komiyama

Normally Oriented Nanocylindrical Array in Liquid Crystalline Block Copolymer Thin Film on SAM-Modified Substrate with Various Surface Wettability

17:03~17:16 Hiroki Nishiyama

Design and Synthesis of Various π -Conjugated Polymers Containing Group 16 Elements by Reactions of Organometallic Polymers Having Titanacyclopentadiene Units

17:16~17:29 Changwen Zhao

Preparation of Durable and Flexible BOPP/SiO_x/TiO₂ Multilayer Film for Photodegradation of Organic Contamination

17:29~17:42 Jingbao Guo

Thermal Switching Characteristics of Cholesteric Liquid Crystals Composites Based on Chiral Hydrogen-bonded Assembly

Session C: Integrated Materials

Location: The Twelfth Meeting Room

Invited Talk B (15+5min)

Chairperson: Prof. Yoshiaki Nakamura

14:20~14:40 Shintaro YASUI

Fabrication of lead-free tetragonal ferroelectric films by MOCVD

14:40~15:00 Donglin Zhao

Synthesis of Graphene Oxide-Fe₃O₄ Nano Thermoseeds for Localized Hyperthermia Treatment of Cancers

15:00~15:20 Feng Shi

Locomotion of Small objects at Mesoscale and its Self-assembly

15:20~15:40 Lina Sun

Electrochemical self-assembly of inorganic / organic hybrid thin films towards nano-heterojunction solar cells

15:40~15:50 Tea Break

Chairperson: Prof. Feng Shi

15:50~16:10 Keigo Ichinose

Heteroepitaxial electrodeposition of ZnO on GaN bulk single crystals

16:10~16:30 Haobing Zhang

Tough and Electrically Conductive Polymer-Graphene Microcellular Foams

16:30~16:50 Yoshiaki Nakamura

Nanocontact heteroepitaxy of high-quality thin III-V films on Si substrates using nanodot seeds

16:50~17:10 Jing Ji

BA-MMA Copolymer Assisted Facile Control of Janus Balance for Irregular Amphiphilic ZnO Particle

17:10~17:30 Yuji Matsumoto

Ultra-High Vacuum-Electrochemistry of TiO₂

Oral (10+3min)

17:30~17:43 Chunxi Hai

Fabrication of electrically conductive porous alumina reinforced with uniformly dispersed CNTs

17:43~17:56 Hongkun Zhang

Thin Wall Carbon Nanotubes Encapsulated Tin Core-Shell Composites for Lithium Storage

17:56~18:09 Yoko Takeyama

Flux-mediated organic epitaxy: single crystal growth of C60 by vacuum deposition with an ionic liquid

18:10~20:00 Dinner (buffet) & Yong Exchange Forum

Location: Ming Shi Ge Hall

June 8, 2011(8:30~22:00), Wednesday

Invited Talk A (15+5min)

Location: The Twelfth Meeting Room

Chairperson: Eiji Yashima

8:30~8:50 Yoshihiro Sasaki

Self-assembled liposomal array for biochip applications

8:50~9:10 Shu Zhang

Highly efficient dimerization and polymerization of ethylene by (imido)vanadium complexes containing (2-anilidomethyl)pyridine ligands: Notable ligand effect toward activity and selectivity

9:10~9:30 Takeshi Serizawa

Identification and application of polymer-binding peptides

9:30~9:50 Tea Break

Chairperson: Prof. Shu Zhang

9:50~10:10 Sheng Zhang

Surface photografting: new application on flame retardant finishing of synthetic fabric

10:10~10:30 Tsukasa Yoshida

Low-cost, light weight and colorful plastic film solar cells by electrodeposition and screen printing of ZnO porous electrodes –

10:30~10:50 Qigu Huang

Ethylene/Vinyl Monomers Copolymerization Promoted by Novel Multi-Chelated Non-Metallocene Catalysts/Methylaluminoxane

10:50~11:30 Lunch

Location: Ming Shi Ge Hall

11:30~18:00 Sightseeing in the Great Wall

18:00~20:00 Banquet in some special restaurant

20:00 Return to Hotel
21:00~22:00 Committee meeting

June 9, 2011(8:30~13:00), Thursday

Plenary Lecture (35+5min)

Location: The Twelfth Meeting Room

Chairperson: Prof. Yoshio Okamoto

8:30~9:10 Robert Pelton

Phenyl Boronic Acid-Diol Complexes Giving Labile Polyelectrolytes and Self-Assembly

Invited Talk A (15+5min)

Chairperson: Paschalis Alexandridis

9:10~9:30 Hidekazu Tanaka

Integrated Nano-Template for Oxide Nano-Electronics

9:30~9:50 Jingze Li

Sputtered Sn/Ti and Ti/Sn double-layer films as anodes for lithium ion batteries

9:50~10:10 Tsukasa Torimoto

Enhanced Photocatalytic Activity of Cadmium Sulfide Nanoparticle Immobilized on Silica-Coated Gold Particles

10:10~10:30 Tea Break

Chairperson: Jingze Li

10:30~10:50 Hisao Matsuno

Thermal molecular motion and mechanical properties for DNA film

10:50~11:10 Takashi Shirai

Novel Ceramics Forming Technique by Mecano-chemical-assisted Surface Activation

11:10~11:30 Eiji Yashima

Helical polymers: synthesis, structure and functions

11:30 Closing Remarks

12:00 Lunch

Location: Lijing Hall