

Program Schedule

January 26, 2007

- 16:00-16:25 Registration
- 16:25-16:30 Welcome Remark
Keiji Maruoka, Kyoto University

- Session 1 -

Chair: Yoshitaka Tanimura, Kyoto University

- 16:30-16:35 “Anti-Selective Direct Asymmetric Mannich Reactions Catalyzed by Axially Chiral Amino Sulfonamide as an Organocatalyst”
Yukako Yamaguchi, Kyoto University
- 16:35-16:40 “A Convenient, Enantioselective Synthesis of β -Substituted γ -Butyrolactone and Synthesis of Pregabalin”
Taedong Ok, KAIST
- 16:40-16:45 “Synthesis and Structure of a Bulky Silanedithiol and Its Application toward the Synthesis of Silanedithiolato Complexes”
Taro Tanabe, Kyoto University
- 16:45-16:50 “Synthesis of Single Crystalline Tellurium Nanotubes with Triangular and Hexagonal Cross sections”
Juneo In, KAIST
- 16:50-16:55 “Design of Multi-Functional Organic Conductors Having a Nucleobase Skeleton: Synthesis and Properties of Cytosine-Fused TTF”
Shogo Matsui, Kyoto University
- 16:55-17:00 “Amphiphilic Organosilane-mediated Crystallization of Zeolites Possessing Micro-/Mesoporous Structural Hierarchy”
Hae Sung Cho, KAIST
- 17:00-17:05 “4,5-(Ethylenedithio)-2-(thiopyran-4-ylidene)-1,3-dithiole (TP-EDTT) as a Conducting Component Molecule”
Motonobu Takahashi, Kyoto University
- 17:05-17:10 “Solid-State ^{13}C NMR Studies on Conformational Transformation of Poly(β -benzyl L-aspartate)”
Azusa Nakanishi, Kyoto University
- 17:10-17:15 “NMR Study of the Interaction between WRN and RPA”
Kyungeun Lim, KAIST
- 17:15-17:20 “Single-molecule Study of Acetylene Adsorbed on Cu(110)”
Takashi Kumagai, Kyoto University

- 17:20-17:25 “Molecular Properties of Group 1 and Group 11 Cyanides”
Dongki Lee, KAIST
- 17:25-17:30 “Kinetics of Major Conformational Change of Photoactive Yellow Protein”
Yuji Hoshihara, Kyoto University
- 17:30-17:35 “Distinguishing Reaction Pathways: Photodissociation and Recombination Dynamics of Triiodide Ion”
Kyung Hwan Kim, KAIST
- 17:35-17:40 “Equilibrium between Monomer and Dimer Forms of Photosensor Protein Phototropin1-LOV2 Domain”
Yusuke Nakasone, Kyoto University
- 17:40-18:00 “Ultrafast Exciton-Exciton Coherent Transfer in Molecular Aggregates”
Kim, Hyeon-Deuk, Kyoto University

January 27, 2007

- 08:30-08:55 Registration
- 08:55-09:00 Opening Remarks
Yoshitaka Tanimura, Kyoto University

– Session 2 –

Chair: Bongsoo Kim, KAIST

- 09:00-9:30 “Asymmetric Electrophile-promoted Cyclization”
Sung Ho Kang, KAIST
- 9:30-10:00 “Practical Asymmetric Synthesis with Designer Chiral Organocatalysts”
Keiji Maruoka, Kyoto University
- 10:00-10:10 “The Total Synthesis of (±)-ceratopicanol”
Won Yeob Kim, KAIST
- 10:10-10:20 “Palladium-Catalyzed Asymmetric [3 + 3] Cycloaddition of Trimethylenemethane with Nitrones”
Soyoung Park, Kyoto University
- 10:20-10:30 “Synthetic Studies on Dysiherbaine”
Nelma C. Celindro, KAIST
- 10:30-10:40 “Electrochemical Properties of Kinetically Stabilized Sila-aromatic Compounds”
Takeshi Matsumoto, Kyoto University
- 10:40-11:10 *Coffee Break*

Session 3

Chair: Hiroshi Okuyama, Kyoto University

- 11:10-11:40 “Synthesis and Properties of Metal and Metal Silicide Nanowires”
Bongsoo Kim, KAIST
- 11:40-12:10 “Phase Diagram and In-plane Spin Fluctuation in Novel Superconducting System, $\text{Na}_x\text{Co}_2 \cdot y\text{H}_2\text{O}$ ”
Kazuyoshi Yoshimura, Kyoto University
- 12:10-12:20 “Density Functional Study of Carbon Cluster C_{20} ”
Jeongeon Park, KAIST
- 12:20-12:30 “Geometry, Bonding Nature, and Stability of η^3 -Silaallyl and η^3 -Silapropargyl/Silylalkynyl Tungsten Complexes: Theoretical Study”
Mausumi Ray, Kyoto University
- 12:30-14:00 *Lunch Break*

- Session 4 -

Chair: Sang Kyu Kim, KAIST

- 14:00-14:30 “Probing Solution-phase Reaction Pathways with 100-ps Time-resolved X-ray Diffraction”
Hyotcherl Ihee, KAIST
- 14:30-15:00 “Molecular Mechanism of the Primary Photochemical Reactions in Rhodopsin Photoreceptor Proteins”
Shigehiko Hayashi, Kyoto University
- 15:00-15:10 “Photodissociation Dynamics of Sulfur Containing Heteroaromatic Compounds”
Jeong Sik Lim, KAIST
- 15:10-15:20 “Theoretical Study of Human Telomeric G-quadruplex Structure”
Tomoko Mashimo, Kyoto University
- 15:20-15:30 “Analyzing Solution-phase Time-resolved X-ray Diffraction Data by Isolated-solute Models”
Jae Hyuk Lee, KAIST
- 15:30-15:40 “Raman Spectroscopic Study on the Solvation of p-Nitroanile in Supercritical Water”
Tomotsumi Fujisawa, Kyoto University
- 15:40-16:10 *Coffee Break*

– Session 5 –

Chair: Shigehiko Hayashi, Kyoto University

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| 16:10-16:40 | “Photoionization Spectroscopy of the Metal-benzene Sandwich Complex and Its Ar and Benzene Clusters /Photodissociation Dynamics of Thiophenol”
Sang Kyu Kim, KAIST |
| 16:40-17:10 | “Nanoscale Chemistry: From Single Molecule to Self-assembled Structures”
Hiroshi Okuyama, Kyoto University |
| 17:10-17:20 | “Reaction of Amino Acids on the Ge(100) Surface”
Soon Jung Jung, KAIST |
| 17:20-17:30 | “Condensed Phase Chemical Dynamics Detected by Multidimensional Spectroscopy”
Akihito Ishizaki, Kyoto University |
| 17:30-19:00 | <i>Poster Session</i> |
| 19:00- | <i>Reception and Award Ceremony for Best Posters</i> |