

November 12 (Mon), AM

Room A	Room B
9:40 – 9:50 Opening Remarks	
9:50 – 10:35 PL-1 <u>M. Irie</u> (<i>Rikkyo U.</i>) Photochromism of Diarylethene Molecules and Crystals	
10:35 – 11:00 Coffee Break	
11:00 – 11:30 IL-01 <u>P. K. Das</u> (<i>Indian Inst. Sci.</i>) Probing Geometry of Intermolecular Complexes in Solution by Second Harmonic Light Scattering 11:30 – 12:00 IL-02 <u>M. Oelgemöller</u> (<i>James Cook U.</i>) Micro-flow Photochemistry – The “New” Photochemistry of the Future?	11:00 – 12:00 OB-01 <u>A. Ouchi</u> , C. Liu (<i>AIST</i>) Development of an Environmentally-benign Photochemical C-C Bond Formation Reaction for the Surface Modification of Polyester Fabrics OB-02 <u>Y. Yoshimi</u> (<i>U. Fukui</i>) Decarboxylation of Carboxylic Acids via Photoinduced Electron Transfer OB-03 <u>K. Ohkubo</u> , Y. Kawashima, S. Fukuzumi (<i>Osaka U.</i>) Photoinduced Charge Separation of Supramolecules between $\text{Li}^+@\text{C}_{60}$ and Anionic Porphyrins
12:00 – 13:00 OA-01 D. Tanaka, T. Shirasu, Y. Shimizu, <u>K. Uchida</u> (<i>AIST, Ryukoku U.</i>) Reversible Phase Transitions between Calamitic and Discotic Liquid Crystals OA-02 <u>H. Koshima</u> , N. Ojima, K. Takechi, H. Uchimoto (<i>Ehime U.</i>) Photomechanical Function of Molecular Crystals OA-03 <u>A. Kawai</u> , T. Asaka, D. Kawamori, T. Monji, N. Akai, K. Shibuya (<i>Tokyo Inst. Tech.</i>) Photochromic Reaction of Phenylazo-substituted Imidazolium Based Ionic Liquids	12:00 – 13:00 OB-04 <u>M. Yamaji</u> , H. Okamoto (<i>Gunma U., Okayama U.</i>) Photochemical Synthesis and Properties of [n]Phenacenes ($n = 3 - 6$) OB-05 <u>C. Yang</u> , Y. Inoue (<i>Osaka U., Sichuan U.</i>) Wavelength Effects on Photochirogenic Cyclo-dimerization of 2-Anthracenecarboxylic Acid Mediated by γ -Cyclodextrin Derivatives OB-06 <u>H. Ikeda</u> , N. Asada, E. Ohta, M. Oshima, K. Mizuno (<i>Osaka Pref. U., Tohoku U.</i>) Spectroscopic and Theoretical Evidence for a Radical Cation with a One-electron σ -bond Generated by PET Reaction
13:00 – 14:00 Lunch Break	

November 12 (Mon), PM

Room A	Room B
14:00 – 15:00 OA-04 <u>M. Yasuda</u> , T. Shiragami (<i>U. Miyazaki</i>) Hydrogen Evolution from Lignocellulosic Biomass by the Combination of Biological and a Pt-loaded TiO ₂ -photocatalytic Reactions OA-05 <u>I. Tanabe</u> , T. Tatsuma (<i>U. Tokyo</i>) Plasmonic Manipulation of Color and Morphology of Single Silver Nanospheres on TiO ₂ OA-06 X. Y. Ling, S. Lo, L. Ma, D. T. Hoang, C. Liu, M. A. Fardy, P. Yang (<i>Nanyang Tech. U., U C Berkeley</i>) Highly Crystalline {001} TiO ₂ Nanoplates and Their Photocatalytic Properties	
15:00 – 15:30 IL-03 <u>J. Zhao</u> , W. Ma, C. Chen, H. Ji (<i>Inst. Chem., Chinese Acad. Sci.</i>) Photodegradation of Dyes on TiO ₂ under Visible Irradiation and Application of Photocatalysis to Selective Synthesis 15:30 – 16:00 IL-04 <u>K. Hashimoto</u> (<i>U. Tokyo</i>) Multiple Electron-transfer Catalysts for Photocatalysis and Artificial Photosynthesis	
16:00 – 16:20 Coffee Break	
16:20 – 17:20 OA-07 <u>P. Z. Ray</u> , S. M. King, A. Olson, S. Quadri, R. B. Cole, M. A. Tarr (<i>U. New Orleans</i>) Photochemical and Photocatalytic Transformations of Crude Oil in Seawater Systems OA-08 <u>S. Yamazaki</u> , Y. Fujiwara, T. Seyama, K. Adachi (<i>Yamaguchi U.</i>) Synthesis of Porous Metal-ion-doped TiO ₂ Photocatalysts and Their Photoactivities under Visible Light Irradiation OA-09 S. J. Kim, Y. Lee, <u>J. K. Kang</u> (<i>KAIST</i>) Co-Fe Layered Double Hydroxide for Oxygen Evolving Photocatalyst under Visible Light	
	17:30 – 19:00 Poster Session I
19:00 – 20:00 Get-together Party	

November 13 (Tue), AM

Room A	Room B
9:00 – 9:30 IL-05 W. Kim, <u>W. Choi</u> (<i>POSTECH</i>) Some Outstanding Features of Semiconductor Photocatalytic Reactions: Interfacial Properties and Mechanisms 9:30 – 10:00 IL-06 <u>N. Ohta</u> , T. Nakabayashi, T. Iimori (<i>Hokkaido U.</i>) Toward Advances in Photoelectrics and Photo-bioelectrics	9:00 – 10:00 OB-07 H. Masai, S. Ikeda, <u>Y. Nishimura</u> , T. Arai (<i>U. Tsukuba</i>) Photodynamic Properties of Anthracene-urea Compounds with Anions OB-08 <u>S. Yamada</u> , M. Kusafuka, M. Sugawara (<i>Ochanomizu U.</i>) [2+2] Photodimerization of Bispyridylethylene through Cation- π Interaction OB-09 <u>G. Yang</u> (<i>Inst. Chem., Chinese Acad. Sci.</i>) Intramolecular Charge Transfer Properties of Triaryl Boron Compounds and Temperature Effects
10:00 – 10:40 OA-10 Y. Yang, B. Xing (<i>Nanyang Tech. U.</i>) Near-infrared Light Responsive Carrier Systems towards Real-time Bioluminescence Imaging and Effective Cellular Transport of Bioactive Payload Molecules OA-11 <u>K. Mori</u> , M. Kawashima, H. Yamashita (<i>Osaka U.</i>) Visible-light Driven Photooxidation by Ru Complex and Its Enhancement by the Assist of Localized Surface Plasmon Resonance	10:00 – 10:40 OB-10 <u>T. D. M. Bell</u> , H. F. Higginbotham, R. P. Cox, S. Sandanayake, S. J. Langford (<i>Monash U.</i>) SANDIs for Sensing and Spectroscopic Applications OB-11 C.-K. Lin, <u>J.-S. Yang</u> (<i>Nat'l Taiwan U.</i>) A Multi-site Constrained Model of <i>trans</i> -4-(Dimethyl-amino)-4'-nitrostilbene for a Test of the NO ₂ -twisted Intramolecular Charge Transfer State
10:35 – 11:00 Coffee Break	
11:00 – 11:30 IL-07 <u>H. Misawa</u> (<i>Hokkaido U.</i>) Near-infrared Plasmon-assisted Water Oxidation 11:30 – 12:00 IL-08 T. Itoh, V. Biju, <u>M. Ishikawa</u> (<i>AIST, Josai U.</i>) Luminescent Quantum Dots and Plasmonic Metal Particles, Versatile Tools for Bioimaging	11:00 – 12:00 OB-12 <u>T. Nakabayashi</u> , N. Ohta (<i>Hokkaido U.</i>) Sensing of Intracellular Environments Using Fluorescence Lifetime Microscopy OB-13 <u>A. C. Bhasikuttan</u> (<i>Bhabha Atomic Res. Cent.</i>) Molecular Recognition in Biomolecular Assemblies: Photochemical Perspective of Thioflavin T on G-quadruplex DNA OB-14 <u>T. Okutsu</u> , H. Ihira, T. Kuroiwa, S. Haruta, Y. Takase, H. Horiuchi, H. Hiratsuka (<i>Gunma U.</i>) Photochemically-induced Protein Crystallization
12:00 – 13:00 OA-12 <u>K. G. Thomas</u> (<i>Indian Inst. Sci. Edu. Res.</i>) Coupled and Chiral Surface Plasmons in Metal Nanostructures OA-13 <u>T. Itoh</u> , Y. S. Yamamoto, M. Iga, H. Tamaru, V. Biju, M. Ishikawa, Y. Ozaki (<i>AIST, Yokogawa Elec. Co., U. Tokyo, Kwansei Gakuin U.</i>) Fluctuation in Surface-enhanced Raman Scattering and Surface-enhanced Fluorescence of Single Plasmonic Metal Nanoparticle Dimers OA-14 K. Setoura, D. Werner, <u>S. Hashimoto</u> (<i>U. Tokushima</i>) Optical Scattering Spectral Thermometry and Reflectometry of a Single Gold Nanoparticle under CW Laser Excitation	12:00 – 13:00 OB-15 S. S. Sarkar, J. B. Udgaonkar, <u>G. Krishnamoorthy</u> (<i>Tata Inst. Fund. Res.</i>) Structure and Dynamics of Molten Globular Intermediates Encountered during the Unfolding of a Protein OB-16 <u>J. K. Gallaher</u> , R. A. Keyzers, J. M. Hodgkiss (<i>Victoria U. Wellington, MacDiarmid Inst. Adv. Mater. Nanotech.</i>) Controlled Aggregation of Peptide Substituted Perylene-bisimides OB-17 <u>T. Hirano</u> , H. Nagai, T. Matsushashi, S. Iwano, S. Maki, H. Niwa, V. R. Viviani (<i>U. Electro-Commun., U. Fed. São Carlos</i>) Color Modulation Mechanism of Firefly (Beetle) Bioluminescence: A Photochemical Approach with Amino-analogs of Luciferin and Oxyluciferin
13:00 – 14:00 Lunch Break	

November 13 (Tue), PM

Room A	Room B
14:00 -14:30 APA Award Ceremony	
14:30 – 15:15 MA-1 APA Masuhara Award Lecture <u>J. Hofkens</u> (<i>Katholieke U. Leuven</i>) The Power of One: What Can We Learn by Looking at Single Molecules? 15:15 – 16:15 PL-2 & AL-1 PL and APA Award Lecture <u>P.-T. Chou</u> (<i>Nat'l Taiwan U.</i>) Lighting and Light Harvesting Materials; New Insights into Fundamental and Applications	
16:15 – 16:30 Coffee Break	
16:30 – 17:00 AL-2 APA Award Lecture <u>S. Das</u> (<i>Nat'l Inst. Interdisci. Sci. Tech.</i>) Photoresponsive Soft Materials 17:00 – 18:10 APA Young Award Lectures YL-1 <u>C. Yang</u> (<i>Osaka U., Sichuan U.</i>) Supramolecular Photochirogenesis with Native and Modified Cyclodextrins YL-2 <u>K. Ikeda</u> (<i>Hokkaido U.</i>) Plasmonic Spectroscopy and Photochemistry at Atomically Defined Metal Surfaces YL-3 <u>S. Ito</u> (<i>Osaka U.</i>) Localization of Photochemical Reactions in Solution with Radiation Pressure YL-4 <u>S. Habuchi</u> (<i>King Abdullah U. Sci. Tech.</i>) Single-molecule Studies on Polymeric Materials YL-5 <u>J. M. Hodgkiss</u> (<i>U. Victoria, Wellington</i>) Optical Probes of Photocurrent Generation in Organic Photovoltaic Cells YL-6 <u>S. Sen</u> (<i>Jawaharlal Nehru U.</i>) Understanding Dynamics and Molecular Interactions in DNA YL-7 <u>T. W. Schmidt</u> (<i>U. Sydney</i>) Photochemical Upconversion for Thin Film Solar Cells	
	18:30 – 20:00 Poster Session II

November 14 (Wed), AM

Room A	Room B
9:00 – 9:45 PL-3 <u>P. V. Kamat</u> (<i>U. Notre Dame</i>) Role of Metal Nanoparticles in Semiconductor Assisted Photocatalysis	
9:45 – 9:55 Intermission	
9:55 – 10:25 IL-09 <u>E. W.-G. Diau</u> (<i>Nat'l Chiao Tung U.</i>) Design and Characterization of Novel Photosensitizers for Dye-sensitized Solar Cells 10:25 – 10:55 IL-10 <u>Y. Li</u> (<i>Tech. Inst. Phys. Chem., Chinese Acad. Sci.</i>) Photofunctional Dendrimers – Merging the Architecture and the Energy Conversion	9:55 – 10:55 OB-18 <u>Y. Tsuboi</u> , T. Shoji, M. Toshimitsu, J. Saito, N. Kitamura (<i>Hokkaido U.</i>) Optical Trapping and Micro-pattern Formation of Polymer Nanoparticles on Metallic Nanostructures OB-19 <u>A. Usman</u> , W.-Y. Chiang, H. Masuhara (<i>Nat'l Chiao Tung U.</i>) Novel Insights of Ultrafast Laser Pulse-induced Trapping Phenomena OB-20 <u>S. Ito</u> , Y. Tanaka, H. Yoshikawa, H. Miyasaka, H. Masuhara (<i>Osaka U., Hokkaido U., Nat'l Chiao Tung U.</i>) Localization of Photochemical Reactions in Solution with Radiation Pressure
10:55 -11:15 Coffee Break	
11:15 – 11:45 IL-11 <u>S. Y. Park</u> (<i>Seoul Nat'l U.</i>) Fluorescence Switching via Modulation of Molecular Stacking 11:45 – 12:15 IL-12 <u>M. Terazima</u> (<i>Kyoto U.</i>) Multiphoton Photochemistry Induces a Reaction of a Photosensor Protein	11:15 – 12:15 OB-21 <u>Y. Lee</u> , D. K. Lee, S. J. Kim, J. K. Kang (<i>KAIST</i>) Solar Conversion of CO ₂ into Methanol by Metal-organic Framework Photocatalysts OB-22 <u>T. Morimoto</u> , O. Ishitani (<i>Tokyo Inst. Tech.</i>) Dinuclear Rhenium(I) Complexes for Efficient Photocatalytic Reduction of Carbon Dioxide OB-23 <u>S. Takizawa</u> , S. Murata (<i>U. Tokyo</i>) Visible Light-driven Hydrogen Generation Sensitized by a New Water-soluble Iridium Complex
12:15 – 12:55 OA-15 <u>Y. Shimizu</u> , Y. Matsuda, K. Miyamoto, M. Takahashi, F. Nekelson, H. Yoshida, A. Fujii, M. Ozaki (<i>AIST, Osaka U.</i>) Miscibility and Phase Separation of Liquid Crystalline Phthalocyanine Semiconductors for Organic Thin Film Photovoltaics OA-16 <u>X.-T. Hao</u> , T. A. Smith (<i>U. Melbourne, Shandong U.</i>) Photophysical Processes in Thin Films of Polythiophene-nanodiamond Bulk Heterojunction Hybrid Nanocomposites	12:15 – 12:55 OB-24 <u>K. Hirakawa</u> , M. Harada, S. Okazaki, Y. Nishimura, T. Arai, Y. Nosaka (<i>Shizuoka U., Hamamatsu U. Med., U. Tsukuba, Nagaoka U. Tech.</i>) Control of Singlet Oxygen Generating Activity of meso-Pyrenylporphyrin through Interaction with DNA OB-25 <u>H. Shimakoshi</u> , Y. Hisaeda (<i>Kyushu U.</i>) Photocatalytic Function of Vitamin B ₁₂ Complex with Photosensitizer
13:00 – 14:00 Lunch Break	

November 14 (Wed), PM

Room A	Room B
14:00 – 14:40 OA-17 <u>R. Katoh</u>, H. Matsuzaki, A. Furube, P. Sonar, G. S. Subramanian, E. L. Williams, C. Vijila, S. Gorelik, J. Hobley, S. Singh (<i>Nihon U., AIST, IMRE, Shiv Nadar U.</i>) Time-resolved Microwave Photo-conductivity Study of OPV Thin Films Utilizing a Diketopyrrolopyrrole Polymer OA-18 <u>Y. Nabetani</u>, S. Matsukura, Y. Hayasaka, H. Takamura, T. Shimada, H. Tachibana, H. Inoue (<i>Tokyo Metropolitan U.</i>) Morphology Analysis of Azo-benzene/Niobate Nanocomposites	14:00 – 14:40 OB-26 C.-H. Seol, G.-H. Jo, <u>J. Heo</u> (<i>Chungnam Nat'l U.</i>) Luminescent Metal-organic Frameworks OB-27 A. Kobayashi, Y. Fukuzawa, H.-C. Chang, <u>M. Kato</u> (<i>Hokkaido U.</i>) Vapor-controlled Linkage Isomerization of a Luminescent Bis(thiocyanato)-platinum(II) Complex
14:40 – 15:00 Intermission	
15:00 – 18:10 Excursion to Osaka Castle and City Center (return to Senri Hankyu Hotel)	
18:30 – 20:30 Banquet (Senri Hankyu Hotel)	

November 15 (Thu), AM

Room A	Room B
9:00 – 9:30 IL-13 <u>V. Sundström</u> (<i>Lund U.</i>) Charge Photo-generation, Separation and Recombination in Dye-sensitized and Polymer:Fullerene Solar Cells 9:30 – 10:00 IL-14 <u>H. K. Kim</u> (<i>Korea U.</i>) New Strategy on Materials Paradigm for Highly Efficient Dye-sensitized Solar Cells	9:00 – 10:00 OB-28 C.-K. Huang, Z.-F. Xu, M. Nakajima, H. M. T. Nguyen, M. C. Lin, S. Tsuchiya, <u>Y.-P. Lee</u> (<i>Nat'l Chiao Tung U., Emory U., Hanoi U. Tech., Acad. Sinica, Taipei</i>) Dynamics of the Reactions of O(¹D) with CD₃OH and CH₃OD Studied with Time-resolved Fourier-transform IR Spectroscopy OB-29 L. Yang, <u>C. Zhu</u>, J. Yu, S. H. Lin (<i>Nat'l Chiao Tung U., Beijing Normal U.</i>) Solvent Effects on Molecular Electronic Spectroscopy: Franck-Condon Simulation OB-30 B. Siebenhofer, C. Nowak, S. Gorelik, <u>J. Hobley</u> (<i>Austrian Inst. Tech., A-STAR</i>) Nanosecond Dynamics in Photochromics and Bacterial Photosynthetic Reaction Centers Observed Using Brewster Angle Reflectometry
10:00 – 10:40 OA-19 S. Kuwahara, H. Hata, N. Maeda, Q. Shen, T. Toyoda, <u>K. Katayama</u> (<i>Chuo U., U. Electro-Commun.</i>) Carrier Dynamics in Dye-sensitized Solar Cells OA-20 K. Sunahara, H. Matsuzaki, A. Furube (<i>U. Tsukuba, AIST</i>) Experimental and Numerical Analysis of Inhomogeneous Electron Injection Dynamics in Dye-sensitized Solar Cells	10:00 – 10:40 OB-31 B. Debus, S. Hatano, T. Katayama, M. Orio, C. Ruckebusch, R. Métivier, K. Nakatani, J. Abe, H. Miyasaka, <u>M. Sliwa</u> (<i>Lille U., Aoyama Gakuin U., Osaka U., ENS Cachan</i>) Synthesis and Ultrafast Spectroscopy of Fast Hexaarylbiimidazole Nanoparticles: Radical Interaction as a Sensitive Probe of Structural Environment OB-32 Z. Zhang, K. L. Wells, J. Rouxel, M. T. Seidel, <u>H.-S. Tan</u> (<i>Nanyang Tech. U.</i>) Coherent Ultrafast Multidimensional Optical Spectroscopy: Implementations and Applications
10:40 – 11:00	
11:00 – 12:00 OA-21 Y. Cheng, T. F. Schulze, B. Fückel, R. W. MacQueen, A. Danos, M. J. Y. Tayebjee, T. Khoury, J. Czolk, A. Colsmann, U. Lemmer, B. Stannowski, N. J. Ekins-Daukes, K. Lips, M. J. Crossley, <u>T. W. Schmidt</u> (<i>U. Sydney, Karlsruhe Inst. Tech., Helmholtz Zentrum Berlin Mater. Ener, Imperial College</i>) Photochemical Upconversion for Thin Film Solar Cells OA-22 <u>E. L. Williams</u>, M. Bosman, C. Vijila, G. S. Subramanian, P. Sonar, S. Gorelik, J. Hobley, S. P. Singh, H. Matsuzaki, A. Furube, R. Katoh (<i>A-STAR, Shiv Nadar U., AIST, Nihon U.</i>) The Influence of Thin Film Morphology on the Efficiency of Organic Solar Cells Based on a Diketopyrrolopyrrole Polymer OA-23 G. Sahu, S. W. Gordon, K. Wang, W. L. Zhou, <u>M. A. Tarr</u> (<i>U. New Orleans</i>) Enhanced Performance of Dye Sensitized Solar Cells with Core-shell Nanowire Arrays	Coffee Break 11:00 – 12:00 OB-33 <u>G. Sagarzazu</u>, K. Inoue, M. Saruyama, M. Sakamoto, T. Teranishi, N. Tamai (<i>Kwansei Gakuin U., Kyoto U.</i>) Hot Electron Transfer in Au-CdSe Nanorods OB-34 V. Biju, E. S. Shibu, M. Hamada, M. Murase, T. Itoh, A. Furube, M. Ishikawa, L. Wang, S. Masuo, N. Tamai (<i>AIST, Josai U., Kwansei Gakuin U.</i>) Energy and Electron Transfer in Quantum Dots-based Donor-acceptor Systems OB-35 X. Wu, <u>E. K. L. Yeow</u> (<i>Nanyang Tech. U.</i>) Hole-transfer Dynamics from Dye Molecules to NiO Nanoparticles

12:00 – 12:30 IL-15 <u>M. Sakamoto</u>, N. Takagishi, F. Yagishita, T. Mino (<i>Chiba U.</i>) Photochemical Asymmetric Reaction Using Chiral Memory Derived from Chiral Salt Generated by Dynamic Deracemization 12:30 – 13:00 IL-16 <u>Y. Inoue</u> (<i>Osaka U.</i>) Supramolecular Photo-chirogenesis with Cyclic Oligosaccharides	12:00 – 13:00 OB-36 <u>A. K. G. Tapia</u>, N. Yamamoto, K. Tominaga (<i>Kobe U.</i>) Charge Carrier Dynamics Studied by Terahertz Time-domain Spectroscopy and Optical-pump Terahertz Probe Spectroscopy OB-37 <u>Y. Ishibashi</u>, M. Arinishi, H. Miyasaka, T. Asahi (<i>Ehime U., Osaka U.</i>) Excited-state Relaxation Process of C₆₀ Nanoparticles Dispersed in Water OB-38 <u>K. P. Ghiggino</u>, M. Chen, A. J. Tilley, J. M. White (<i>U. Melbourne</i>) Photophysics of Light Harvesting Conjugated Polymers
13:00 – 14:00 Lunch Break	

November 15 (Thu), PM

Room A	Room B
14:00 – 15:00 OA-24 <u>T. Karatsu</u>, M. Takahashi, M. Shimode, K. Tsuchiya, S. Yagai, A. Kitamura (<i>Chiba U.</i>) Blue Phosphorescent Cyclometalated Iridium(III) Complexes Having Phenylimidazole Type Ligands OA-25 <u>T. Harada</u>, J. Yuasa, K. Nishiyama, Y. Hasegawa, T. Kawai (<i>Shimane U., Nara Inst. Sci. Tech., Hokkaido U.</i>) Circularly Polarized Luminescence of Nona-coordinated Eu(III) Complexes with Chiral Organic Ligands OA-26 <u>C.-C. Ko</u> (<i>City U. Hong Kong</i>) Design, Synthesis and Studies of Luminescent Rhenium Diimine Complexes with Various Ancillary Ligands	14:00 – 15:00 OB-39 M. Takase, F. Nagasawa, S. Yasuda, <u>K. Murakoshi</u> (<i>Hokkaido U.</i>) Plasmon-induced Photo-excitation of an Isolated Single-walled Carbon Nanotube at Metal Nanogap under Near-infrared Light Illumination OB-40 <u>S. Masuo</u>, T. Uedao, K. Kanetaka, H. Naiki, A. Itaya (<i>Kwansei Gakuin U., Tohoku U., Kyoto Inst. Tech.</i>) Photon Antibunching of a Single Colloidal Quantum Dot Interacting with the Localized Surface Plasmon OB-41 <u>D. Kim</u> (<i>Yonsei U.</i>) Excited-state Dynamics of Various PBI Molecular Assemblies Probed by Ensemble and Single Molecule Spectroscopy
15:00 – 16:00 OA-27 <u>K. Kanazawa</u>, K. Nakamura, N. Kobayashi (<i>Chiba U.</i>) Effect of Electrochromism on Photo-emission of Europium(III) Complex OA-28 Y. Sun, T. Masuda, K. Uosaki (<i>Nat'l Inst. Mater. Sci., Hokkaido U.</i>) Photoelectrochemical Reduction of Carbon Dioxide at Si(111) Electrode Modified by Viologen Molecular Layer with Metal Complexes OA-29 Y.-D. Lin, <u>T. J. Chow</u> (<i>Inst. Chem., Acad. Sinica, Taipei</i>) Aminostilbene as a Chromophore for Sensor and Solar Cell Applications	15:00 – 16:00 OB-42 <u>Y. Araki</u>, M. Murakami, R. Uematsu, Y. Hamada, S. Sakamoto, T. Wada (<i>Tohoku U.</i>) Photophysical and Photochemical Behavior of Chiral Perylenediimide Dimer Studied by Time-resolved Circular Polarized Spectroscopy OB-43 <u>T. Kawai</u>, H. Ueno, H. Tsumatori, J. Yuasa (<i>Nara Inst. Sci. Tech.</i>) Enhanced Chirality of Molecular Aggregates Observed with Circularly Polarized Microscope OB-44 C. Chung, Y.-H. Lo, C.-D. Hsiao, <u>H.-W. Li</u> (<i>Nat'l Taiwan U.</i>) Single-molecule Optical Microscopy Studies of DNA Helicases: Lessons from RecBCD and DnaC Helicases
16:00 – 16:20 Coffee Break	
16:20 – 17:05 PL-4 <u>S. Fukuzumi</u> (<i>Osaka U.</i>) Artificial Photosynthesis for Solar Fuel Production	
17:05 – 17:15 Closing Remarks	