

October 13 (Mon) AM			
	Room A	Room B	Room C
9:00	PL02 Plenary Lecture II (9:00 ~ 9:35) The Japanese Photochemistry Association Lectureship Award (2014) Prof. H. Segawa (Univ. Tokyo) “Charge Transfer and Photo-energy Conversion” 【Room A】		
9:40	3A01 Performance and Related Dynamics in Dye-sensitized Solar Cells with Lithium and Co-existing Cations in Electrolyte (Chuo Univ., Univ. Electro-Commun.) ○ S. Kuwahara • S. Taya • Q. Shen • T. Toyoda • K. Katayama	3B01 Observation of the Dark State in [Ru(bpy) ₃] ²⁺ Using Time-resolved Infrared Spectroscopy (JST PRESTO, Tokyo Tech., Tokyo Metropolitan Univ.) ○ K. Onda • T. Mukuta • S. Tanaka • K. Murata • A. Inagaki	3C01 Synthesis and Circularly Polarized Luminescence of Optically Active Conjugated Compounds Based on Planar Chiral Molecules (Kyoto Univ.) ○ Y. Morisaki • M. Gon • K. Inoshita • Y. Chujo
10:00	3A02 Ultrafast Energy Transfer Dynamics in Light-harvesting Complex LH2 with Artificially Conjugated Dye Molecules (Osaka Univ., JST PRESTO, Nagoya Inst. Tech.) ○ Y. Nagasawa • Y. Yoneda • T. Katayama • H. Miyasaka • N. Mizutani • T. Noji • T. Dewa	3B02 Luminescence and Energy Transfer of Ruthenium(II) and Chromate(III) Complex in Frozen Solution (Tokyo Inst. Tech.) ○ T. Otsuka • Y. Kaizu • Y. Inagawa • T. Okada	Cancelled
10:20	3A03 Electron Transfer Processes in S ₂ Excited Sb and Ge Porphyrins (Osaka Univ., Univ. Miyazaki) ○ M. Fujitsuka • T. Shiragami • D. W. Cho • S. Tojo • M. Yasuda • T. Majima	3B03 Prolongation of Emission Lifetimes of Paramagnetic Species Based on Reserve Mechanism (Gunma Univ., Tokyo Metropolitan Univ.) ○ M. Asano • T. Ogawa • MD. A. Hossain • K. Yamashita • K. Sugiura	3C03 Circularly Polarized Luminescence Property of a Doubly Alkynylpyrene-threaded [4]Rotaxane-type Fluorophore (Univ. Toyama, Kyushu Sangyo Univ.) ○ T. Itou • K. Hayashi • T. Uchida • M. Iwamura • K. Nozaki • K. Fujimoto • M. Inouye
10:40	3A04 Ultrafast Dynamics in Donor-Acceptor Thiophene Derivative Polymer (National Chiao-Tung Univ., Univ. Electro-Commun.) ○ A. Yabushita • C.-H. Kao • C.-L. Wang • T. Kobayashi	3B04 Geometric Structures and Optical Properties of Non-spherical-shaped Gold Clusters (Hokkaido Univ.) ○ Y. Shichibu • M. Zhang • K. Konishi	13th JPA Award for Young Photochemists
11:00	3A05 Singlet Exciton Diffusion Dynamics in Poly(3-hexylthiophene) Films with Different Crystallinity (Kyoto Univ., JST PRESTO) ○ Y. Tamai • H. Ohkita • H. Benten • S. Ito	3B05 Dipyrin Metal Complexes: Photochemistry and Low-dimensional Systems (Univ. Tokyo) ○ R. Sakamoto • T. Nagayama • T. Iwashima • R. Toyoda • H. Nishihara	3C05 Highly Efficient Asymmetric Photoreactions by Controlling Reaction Fields (Nara Inst. Sci. Tech.) ○ Y. Nishiyama • K. Terao • R. Mori • K. Kakiuchi

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9:00	PL02 Plenary Lecture II (9:00 ~ 9:35) The Japanese Photochemistry Association Lectureship Award (2014) Prof. H. Segawa (Univ. Tokyo) “Charge Transfer and Photo-energy Conversion” 【Room A】		
9:40	3D01 Visible Light-induced Photocatalytic Activity of Modified Titanium (IV) Oxide with Zero-valent Bismuth Clusters (Univ. Paris-Sud) ○ H. Remita • N. A. Kouamé • A. Herissan • C. Colbeau-Justin	3E01 Ag ₈ SnS ₆ Nanoparticle-sensitized Solar Cells Driven by Visible and Near-infrared Light (Nagoya Univ., Mikuni Color Ltd., Univ. Tokyo) ○ H. Furusawa • S. Fujita • T. Kameyama • M. Kawaraya • H. Segawa • T. Torimoto	9:40
10:00	3D02 Photocatalytic Hydrogen and Oxygen Formation Using Surface Plasmon Resonance-type Photocatalysts under Irradiation of Visible Light (Kyoto Univ., Kinki Univ.) ○ A. Tanaka • K. Hashimoto • T. Tanaka • H. Kominami	3E02 Principles of Molecular Design for Selective Absorption-control (Univ. Tokyo, JST PRESTO) ○ J. Fujisawa	10:00
10:20	3D03 Fabrication of Ammonia Synthesis Devise via Localized Surface Plasmon Resonance (Hokkaido Univ.) ○ T. Oshikiri • K. Ueno • H. Misawa	3E03 Composition-dependent Absorption Property of ZnSe-AgInSe ₂ Solid Solution Nanoparticles and the Application to Sensitized Solar Cells (Nagoya Univ., Osaka Univ., Mikuni Color Ltd., Univ. Tokyo) ○ T. Kameyama • Y. Douke • S. Kuwabata • M. Kawaraya • H. Segawa • T. Torimoto	10:20
10:40	3D04 Long-lived Charge Separation in Au Nanoparticle-loaded TiO ₂ Mesocrystal (Kobe Univ., JST PRESTO, Osaka Univ.) ○ T. Tachikawa • Z. Bian • P. Zhang • M. Fujitsuka • T. Majima	3E04 Organic-Inorganic Hybrid Lead Halide Perovskite Solar Cells with High Efficiency (Univ. Tokyo, Toin Univ. Yokohama) ○ L. Cojocar • S. Uchida • A. Jena • T. Miyasaka • K. Nonomura • J. Nakazaki • T. Kubo • H. Segawa	10:40
11:00	3D05 Photo-induced Charge Separation in CdS/CdTe Heterostructured Nanopencils (Kyoto Univ., JST PRESTO) ○ M. Sakamoto • T. Teranishi • M. Okano • Y. Kanemitsu	3E05 Efficient Free Carrier Generation in Donor/Acceptor Polymer Blend Solar Cells (Kyoto Univ., JST PRESTO) ○ H. Benten • S. Ishida • D. Mori • H. Ohkita • S. Ito	11:00

11:20	3A06 Quantum Dynamical Wavepacket Analysis of Ultrafast Nonradiative Processes in Pyrazine Excited by Femto-second Laser Pulses (Tohoku Univ., Osaka Pref. Univ., Niigata Univ.) ○ M. Kanno · H. Kono · S. Koseki · N. Shimakura · Y. Fujimura	3B06 Substituent Effect on Photo-physical and Photosensitizing Properties of an Iridium Complex with Ligands of Coumarin 6 (Univ. Tokyo) ○ S. Takizawa · S. Murata	3C06 Mechanism Elucidation of Human Serum Albumin-mediated Enantiodifferentiating Photocyclodimerization of 2,6-Anthracenedicarboxylate (Osaka Univ.) ○ K. Tanaka · M. Nishijima · G. Fukuhara · T. Mori · Y. Inoue
11:40	3A07 Excited-state Dynamics of Rubrene Microcrystal, as Revealed by Transient Absorption Microspectroscopy (Ehime Univ.) ○ Y. Ishibashi · Y. Inoue · T. Asahi	3B07 Simple Manual Grinding Synthesis and Luminescence Properties of Mononuclear Copper(I)-Iodide Complexes (Hokkaido Univ.) ○ H. Ohara · A. Kobayashi · M. Kato	3C07 Analysis of Color Modulation Mechanism of Firefly Luciferase with Amino-substrates (Univ. Electro-Commun., Federal Univ. São Carlos) ○ T. Hirano · T. Matsuhashi · S. Maki · V. R. Viviani
12:00	Lunch Break (12:00 ~ 13:20) Gender Equality Event & Lunch Meeting (12:00 ~ 13:20) 【Room B & Academic Lounge 3】		
October 13 (Mon) PM			
	Room A	Room B	Room C
13:20	Poster Presentation: 3P001 – 3P112 Even Number (13:20 ~ 14:10) Odd Number (14:10 ~ 15:00) 【FCC Build. 1F & 2F】		
15:00	3A08 Giant Magnetic Field Effect on Photoinduced Electron Transfer Reaction at the Interface of Niosome (Niigata Univ., JST CREST) ○ T. Miura · T. Ikoma	3B08 Formation of Organic Ligand-Titania Surface Complex (Shinshu Univ., Nagano Pref. Inst. Tech.) ○ H. Nishikiori · K. Todoroki · N. Tanaka · T. Fujii	3C08 Application of a Polymerized Ionic Liquid for Photocatalyst with Vitamin B ₁₂ Function (Kyushu Univ.) ○ H. Shimakoshi · N. Houfuku · W. Zhang · Y. Hisaeda
15:20	3A09 Development of the Sono-activatable Photosensitizer (Gunma Univ.) ○ H. Horiuchi · T. Kano · M. Higuchi · H. Uehara · T. Okutsu	3B09 Weak Ultraviolet Light-induced Size Expansion of Single Thermo-responsive Polymer Micro-particle under Laser Trapping (Hokkaido Univ., National Chiao Tung Univ.) ○ A. Miura · P.-Y. Lin · C.-H. Tseng · H. Masuhara	3C09 Molecular Design of Light Emitting Lewis Pair Inclusion Crystals and Their Solid-state Fluorescence and Phosphorescence Properties (Kyushu Univ.) ○ T. Ono · Y. Hisaeda

3D06 Hydrogen Peroxide Synthesis from Water and Molecular Oxygen on Graphite Carbon Nitride Photo-catalyst (Osaka Univ.) ○ Y. Shiraishi · S. Kanazawa · Y. Kofuji · T. Hirai	3E06 Effect of High Temperature Annealing on Photovoltaic Properties of Unsubstituted Polythiophene (Univ. Tokushima) ○ Y. Tezuka · T. Itoh · S. Hotta · S. Hashimoto	11:20
3D07 Energy-resolved Measurement of the Density of Electron Traps in Titanium(IV) Oxide Photocatalysts by Reversed Double-beam Photoacoustic Spectroscopy (Hokkaido Univ.) ○ A. Nitta, M. Takase, B. Ohtani	3E07 Electron Transport and Morphology Engineering by Using Facet-controlled TiO ₂ in Dye-sensitization System (Tokyo Inst. Tech.) ○ M. Maitani · K. Kashibuchi · K. Hashimoto · D. Mochizuki · E. Suzuki · Y. Wada	11:40
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3D08 Design of Photo-functional Materials and Application for Photo Energy Conversion (Tokyo Univ. Sci.) ○ K. Nakata 13th JPA Award for Young Photochemists	3E08 High Efficiency Up-conversion Based on Triplet-Triplet Annihilation in Hydrophobic DNA (Shizuoka Univ.) ○ H. Kawai · H. Manishi	15:00
3D09 Visible Light-enhanced H ₂ Evolution from Ammonia Borane on Plasmonic Molybdenum Oxide Nano-structure (Osaka Univ.) ○ H. Cheng · Y. Kuwahara · T. Kamegawa · K. Mori · H. Yamashita	3E09 Triplet-Triplet Annihilation-based Photon Upconversion in Supramolecular Assemblies (Kyushu Univ.) ○ N. Yanai · T. Ogawa · P. Mahato · N. Kimizuka	15:20

15:40	3A10 Blinking Triggered by Formation of Fluorescent Molecule in the Triplet Excited State in DNA (Osaka Univ., Tokyo Tech.) ○ K. Kawai · T. Koshimo · A. Maruyama · T. Majima	3B10 Plasmon-induced Charge Separation Using Au-Ag Alloy Nanoparticles (Univ. Tokyo) ○ H. Nishi · T. Tatsuma	3C10 Electronic State Tuning of Fused Imidazolium Compounds by the Substituent Effect (Nagoya Inst. Tech.) ○ K. Takagi · K. Kusafuka · S. Matsuoka · M. Suzuki
16:00	3A11 Time-resolved EPR Study on Cofactor Geometries and Electronic Coupling of Primary Charge-separated State in the Photosynthetic Reaction Center (Kobe Univ., Univ. Chicago) ○ Y. Kobori · N. Ponomarenko · J. R. Norris	3B11 Chemical Reaction Induced by Ultrashort Visible Laser Pulse (Kanagawa Univ., National Chiao Tung Univ.) ○ I. Iwakura · K. Orisaku · S. Hashimoto · S. Akai · A. Yabushita	3C11 Heavily Fluorinated Hexaphyrin-high-density Lipoprotein Nanoparticle for Near-infrared Photothermal Heating and 19F Magnetic Resonance Imaging (Kyoto Univ.) ○ T. Higashino · H. Nakatsuji · M. Inada · H. Okamoto · T. Murakami · H. Imahori
16:20	3A12 Monitoring of the Intracellular Events of Pulsed Electric Field by Fluorescence Lifetime Microscopy (Hokkaido Univ.) ○ K. Awasthi · N. Ohta	3B12 UV Laser Synthesis of Pt Nanoparticles in Phase Separating Media of Water and 2-Butoxy-ethanol Mixtures (Tohoku Univ.) ○ S. Kajimoto · T. Takahashi · M. Hanagata · H. Fukumura	3C12 Outline of the Mechanism for Photoinduced Macroscopic Mechanical Motions of Oleate Assemblies Containing Azobenzene Derivative (Hokkaido Univ., JST PRESTO) ○ Y. Kageyama · T. Ikegami · Y. Kurokome · S. Takeda
16:40	3A13 Analysis of Random Lasing Induced in a Submicrometer-sized ZnO Spherical Particle Film (Hokkaido Univ., Shimane Univ., Gunma Univ.) ○ H. Fujiwara · R. Niyuki · K. Sasaki · T. Tsuji · T. Nakamura	3B13 DNA Micro Patterning Using Plasmon-enhanced Radiation Force and Photothermal Effect (Hokkaido Univ., Osaka City Univ.) J. Saito · T. Shoji · N. Kitamura · F. Nagasawa · K. Murakoshi · ○ Y. Tsuboi	3C13 Photocontrol of Solvent Responsiveness of Structural Colored Balloons (Kyoto Univ., JST PRESTO) ○ K. Higashiguchi · M. Inoue · T. Oda · J. Imai · K. Matsuda

3D10 Analysis of the Reaction between Organic Molecules and OH Radicals Formed in TiO ₂ Photocatalysis in Aqueous Solution by Fluorescence Probe Method (Nagaoka Univ. Tech.) ○ J. Zhang · Y. Nosaka	3E10 Femtosecond Diffuse Reflectance Transient Absorption Spectroscopic Study on Electron Injection in Dye-sensitized Solar Cells: Effect of Heat Damage (AIST, Nihon Univ., Sharp) ○ A. Furube · S. Mahanta · H. Matsuzaki · R. Katoh · A. Fukui · K. Ogiya · R. Yamanaka	15:40
3D11 Photocatalytic Properties of the Metal-ion-doped or -grafted TiO ₂ under Visible Light Irradiation (Yamaguchi Univ., Hiroshima Univ.) ○ N. Nishiyama · K. Adachi · K. Inumaru · S. Yamazaki	3E11 Photovoltaic Performances of Type-II Dye-sensitized Solar Cells Based on D-π-Cat Dyes (Hiroshima Univ.) ○ Y. Ooyama · T. Yamada · Y. Harima · J. Ohshita	16:00
3D12 Redox Reactions Using Semiconductor Photocatalysts for Selective Organic Synthesis (Nagoya Univ., Tokyo Univ. Sci.) J. Caner · Z. Liu · A. Kudo · H. Naka · ○ S. Saito	3E12 Highly Efficient Wideband Dye-sensitized Solar Cells Employing Spin-flip Transitions (Univ. Tokyo) ○ T. Kinoshita · K. Nonomura · S. Uchida · H. Segawa	16:20
3D13 Analysis of Electronic Interaction between Photoactive Semiconductors and Co-catalysts of Nanoscaled Metal and Metal-complexes by Hard X-ray Photo-electron Spectroscopy (HAXPES) (Toyota Central R&D Labs. Inc.) ○ S. Sato · K. Kataoka · N. Takahashi · K. Kitazumi · T. Morikawa	3E13 Photomodulation of Superconducting Property in Boron-doped Diamond (Keio Univ.) ○ T. Yamamoto · M. Akahori · K. Natsui · Y. Einaga	16:40