

October 11 (Sat) AM			
	Room A	Room B	Room C
9:00	Registration (8:45 ~) 【FCC Build. 2F】		
9:20	1A01 Molecular-orbital Interactions as Origins of Red-shifts in Absorption Spectra and Photo-oxidations (Osaka Univ., Gifu Univ., Univ. Ryukyus) ○S. Yanagida · K. Manseki · S. Yanagisawa	1B01 Fabrication of Graphene Nano-disk and Analysis of Their Optical Properties(Hokkaido Univ.) ○ S. Ishida · H. Sekine · K. Sasaki	1C01 Flexible Fluorophore That Shows RGB Emissions (Nagoya Univ., JST PRESTO) ○ S. Saito · C. Yuan · C. Mori · E. Tsuzaka · C. Camacho · S. Irlé · S. Yamaguchi
9:40	1A02 Theoretical Analysis on Electronic Structure and Emission Properties of Lewis-pair Clathrate Crystals: the mNDI/TPFB/Solvent System (Kumamoto Univ., Kyushu Univ.) ○ M. Sugimoto · T. Ono · Y. Hisaeda	1B02 Synthesis and Properties of Vinyl Polymers Bearing Xanthone Moieties in the Side Chain as Triplet Host Candidates (Hokkaido Univ.) ○H. Sugino · Y. Koyama · T. Nakano	1C02 Crystalline Polymorph-dependent ESIPT Luminescence – Controlling Hydrogen Bond Based on Steric Effect of Alkyl Group (Univ. Tokyo) ○ T. Mutai · T. Shida · K. Araki
10:00	1A03 Anisotropic Circular Dichroism and the Effect of the Imperfect Circular Polarization (Tokyo Inst. Tech.) ○ M. Wakabayashi · S. Yokojima · T. Fukaminato · S. Nakamura	1B03 Synthesis of Organoborane-containing Polymers Possessing Aggregation-induced Emission Properties (Kyoto Univ.) ○ K. Tanaka · R. Yoshii · Y. Chujo	1C03 Aggregation of Naphthobisthiadiazole-based Donor-Acceptor Dyes That Produces Red Light Emission (Kurume National College Tech.) ○ T. Ishi-i · R. Hashimoto · M. Ogawa
10:20	1A04 Theoretical Study on Third-order Nonlinear Optical Property Switching of Diarylethene Derivatives Having Open-shell Singlet Nature (Osaka Univ.) ○K. Okuno · Y. Shigeta · R. Kishi · M. Nakano	1B04 Construction of Stacked Porphyrin π -Systems Exhibiting Near-IR Electronic Properties (Kyoto Inst. Tech., Yamagata Univ., Hokkaido Univ., Kagawa Univ.) ○Y. Hoshino · M. Shimizu · Y. Kuroda · M. Morisue · J. Matsui · T. Nakanishi · Y. Hasegawa · S. Uemura · J. Hoshiba · S. Sasaki · S. Sakurai	1C04 Crystal Structures and Emission Properties of Halogenated Diphenylhexatrienes (AIST) ○ Y. Sonoda · M. Goto · R. Azumi
10:40	1A05 Supramolecular Formation of Lithium Ion-encapsulated Fullerene with Anionic Phthalocyanine Derivatives and Long-lived Charge Separation (Osaka Univ., JST ALCA, Univ. Miguel Hernández de Elche) ○Y. Kawashima · K. Ohkubo · V. Manuel Blas-Ferrando · Á. Sastre-Santos · S. Fukuzumi	1B05 Synthesis and Optical Properties of Highly Fluorescent Polyimides Exhibiting Large Stokes Shifts Based on the Control of Aggregation States (Tokyo Tech.) ○K. Kanosue · S. Ando	1C05 Preparation of Fluorescent Sensors Utilizing Perylenediimide Derivatives Bound to Mutation Sites in Nucleic Acids (Univ. Hyogo) ○ T. Takada · K. Yamaguchi · S. Tsukamoto · A. Ashida · M. Nakamura · K. Yamana

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Room D	Room E	
Registration (8:45 ~) 【FCC Build. 2F】		9:00
1D01 Electrochemical and Photo-functional Properties of the Thin Films of Sexithiophene Derivatives (Toho Univ.) ○ H. Urino · A. Kodaira · Y. Douda · C. Pac · H. Moriyama	Symposium 1 (9:25 ~ 11:40) New Photochemistry Opened by Photofunctional Inorganic-Organic Hybrids Organizer: M. Kato (Hokkaido Univ.) Opening Remarks (9:25~9:30) M. Kato 1L01 (9:30~10:25) Fuel from Water: The Light-driven Generation of Hydrogen. R. Eisenberg (Rochester Univ.) 1L02 (10:25~10:50) Electrochemical Evaluation of Photochemical and Catalytic Properties of Transition Metal Complexes. S. Masaoka (Institute for Molecular Science) 1L03 (10:50~11:15) Photophysical Properties and Photofunctions Based on the Magnetic Properties of Porphyrinic Compounds in the Excited States. K. Ishii (Univ. Tokyo) 1L04 (11:15~11:40) Unique Photochemistry of Metal Complex-Mesoporous Organosilica Hybrid Systems. S. Inagaki (Toyota Central R&D Labs.)	9:20
1D02 Mechanofluorochromism Observed for Diarylamino benzaldehyde Analogues (Muroran Inst. Tech.) ○ H. Nakano · K. Mizuguchi · K. Okoshi · S. Manabe		9:40
1D03 Control of Multicolor Emission and Coloration Based on Thermochromic Reaction of Fluoran Dye-Developer System (Chiba Univ.) ○ K. Nakamura · K. Ogasawara · N. Kobayashi		10:00
1D04 A Diarylethene as the Sulfur Dioxide Gas Generator upon UV Irradiation (Ryukoku Univ., Rikkyo Univ., Tokyo Univ. Pharm. Life Sci., RIKEN) ○ K. Uchida · R. Kodama · K. Sumaru · M. Morimoto · S. Yokojima · S. Nakamura		10:20
1D05 Comprehensive Study on Photoinduced Bending Behavior of Diarylethene Crystals (Osaka City Univ.) ○ S. Kobatake · D. Kitagawa		10:40

11:00	1A06 Photo-induced Charge Separation at Alternate Stacking Structure of Titanate and Tungstate Nanosheets Reflected in Photocatalytic Activity by Metal Complexes Modification (Tokyo Inst. Tech.) ○ F. Kishimoto · D. Mochizuki · M. Maitani · E. Suzuki · Y. Wada	Break	1C06 Supramolecular Enantio-differentiating Photocyclodimerization of 2-Anthracenecarboxylate with Protein & Polymer Hybrids as Chiral Reaction Media – Effects of PEGylation for Supramolecular Asymmetric Photochirogenesis (Tohoku Univ., Osaka Univ., Univ. Tsukuba) ○ T. Wada · M. Okugi · H. Sasaki · M. Nishijima · Y. Araki · S. Sakamoto · Y. Ikeda · Y. Nagasaki · Y. Inoue
11:20	1A07 Modification of Titanium Dioxide with Metal Clusters Induced by Radiolysis: Application in photocatalysis (Univ. Paris-Sud) ○ C. Colbeau-Justin · N. A. Kouamé · A. L. Luna Barrón · A. Hérisson · J. Verrett · H. Remita	1B07 Application of Macromolecular Wire for Artificial Photosynthesis (Kansai Univ.) ○ H. Aota · A. Murata · K. Kaku · T. Kobayashi · R. Nakabayashi · S. Matsumoto · K. Watanabe · D. Ohshima	1C07 Analysis of a Mechanism for Thermoluminescence of Naphthyl-substituted Methylenecyclopropane Using Double Laser Flash Photolysis (Osaka Pref. Univ.) ○ Y. Matsui · K. Takae · K. Shimono · E. Ohta · H. Ikeda
11:40	1A08 Exciton Dynamics of CdTe Nanoplatelets and Their Size Dependence (Kwansei Gakuin Univ.) ○ Y. Usui · T. Okuhata · K. Tahara · Y. Tomizawa · N. Tamai	1B08 Single-molecule Analysis of Chain Dynamics across the Thickness Direction in Polymer Thin Films (Tokyo Tech.) ○ K. Noda · S. Hirata · M. Vacha	1C08 Fluorescence Properties of Diarylethenes with Pyrene Units (Kitasato Univ., Tokyo Inst. Tech.) ○ S. Harada · T. Inada · M. Sakai
12:00	Lunch Break (12:00-13:00)		
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13:00	PL01 Plenary Lecture I (13:00 ~ 13:35) The Japanese Photochemistry Association Lectureship Award (2014) Prof. H. Fukumura (Tohoku Univ.) “Fascinated by Time-resolved Measurements: From Phase Separation Dynamics of Binary Liquid Systems to X-ray Diffraction Spectroscopy” 【Room A】		
13:40	1A09 DNA Selective Oxidation Photosensitized by Nile Blue (Shizuoka Univ., Mie Univ., Suzuka Univ. Med. Sci) ○ K. Hirakawa · K. Ota · J. Hirayama · S. Oikawa · S. Kawanishi	1B09 Novel Inter-metal Energy Transfer Systems of Helical Lanthanide Complex in the Crystalline State (from Tb to Eu) (Aoyama Gakuin Univ.) ○ M. Fukushima · A. Ishii · M. Hasegawa	1C09 Submillisecond-lived Photo-induced Charge Separation in Inclusion Complexes Composed of Fullerenes and Phenothiazine-bridged Cyclic Porphyrin Dimers (Kyushu Univ., Osaka Univ., JST ALCA) ○ T. Kamimura · K. Ohkubo · Y. Kawashima · S. Ozako · K. Sakaguchi · T. Shinmyozu · S. Fukuzumi · F. Tani

	1D06 Enantioselective Photochromism of Bisthiénylenes in HAS (Yokohama National Univ.) K. Osawa · K. Kawamura · N. Maruyama · Y. Watanobe · ○ Y. Yokoyama		11:00
	1D07 A Photoswitchable Chiral Dopant Having a Large Change in the Helical Twisting Power for Rotational Manipulation of Doped Liquid Crystalline Film (Hokkaido Univ.) ○ Y. Kim · N. Tamaoki		11:20
	1D08 Thermally Reversible Phase Separation of Azobenzene-based Amorphous Molecular Materials – Poly(vinyl acetate) Hybrid Films and Photoinduced Deformation of the Domain Structures (Murooran Inst. Tech.) ○ R. Ichikawa · H. Nakano		11:40
	Lunch Break (12:00 ~ 13:00)		12:00
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	PL01 Plenary Lecture I (13:00 ~ 13:35) The Japanese Photochemistry Association Lectureship Award (2014) Prof. H. Fukumura (Tohoku Univ.) 【Room A】		13:00
	1D09 Finding of a Novel Fast Photochromic Compound – Penta-arylbiimidazole (PABI) (Aoyama Gakuin Univ.) ○ H. Yamashita · J. Abe	Symposium 2 (13:40 ~ 16:05) Frontier of Single Molecule Detection Organizer: H. Misawa (Hokkaido Univ.) Opening Remarks (13:40 ~ 13:45) H. Misawa	13:40

14:00	1A10 Fluctuation and Reactivity of a Photosensor Protein PixD (Kyoto Univ., Univ. Tokyo, Osaka Pref. Univ.) K. Kuroi • K. Okajima • M. Ikeuchi • S. Tokutomi • ◯M. Terazima	1B10 Structural Control and Photo-physical Properties of Self-assembled Eu(III) Complexes (Hokkaido Univ.) ◯ Y. Hirai • T. Nakanishi • T. Seki • H. Ito • K. Fushimi • Y. Hasegawa	1C10 Unique Photochemical Behaviors of Porphyrin Molecules in the Clay Nano-sheet Complexes (Tokyo Metropolitan Univ.) ◯ T. Tsukamoto • T. Shimada • S. Takagi
14:20	1A11 Laser Trapping Controlled-Crystal Growth of L-Phenylalanine at a Solution Surface (National Chiao Tung Univ., National Appl. Res. Lab.) ◯K. Yuyama • T. Sugiyama • H. Masuhara	1B11 Luminescence Photochromism of Gadolinium(III) Complexes (Kyushu Univ., Univ. Toyama) ◯K. Kitagawa • T. Matsumoto • K. Nozaki • S. Ogo • H. Nakai	1C11 Water Activation Induced by One-electron Oxidation of Aluminum Porphyrins (Tokyo Metropolitan Univ.) ◯F. Kuttassery • S. Sagawa • S. Mathew • D. Yamamoto • S. Onuki • Y. Nabetani • H. Tachibana • H. Inoue
14:40	1A12 Development of Device for Photo-induced Crystallization of Protein (Gunma Univ.) ◯T. Okutsu • S. Iizuka • N. Matsuzawa • T. Oohashi • H. Horiuchi	1B12 Photophysical Properties of Ru(II)-Re(I) Supramolecular Complexes with Various Bridging Ligands and These Photocatalytic Abilities for CO ₂ Reduction (Tokyo Tech., AIST) ◯K. Ohkubo • Y. Tamaki • T. Nakashima • T. Morimoto • K. Koike • O. Ishitani	1C12 A Study on Photochemical [2+2] Cycloaddition of Allylamine Derivatives (Hiroshima Univ.) ◯K. Uchihashi • M. Abe
15:00	1A13 Triplet-Triplet Annihilation Process and the Photon Up-conversion Properties of Alkyl-chain Protected Diphenyl-anthracenes (AIST, Kwasei Gakuin Univ., Shizuoka Univ.) A. Sakurai • Y. Sakagami • ◯K. Kamada • Y. Fujiwara • K. Kobayashi	1B13 Photo-conversion of Carbon Dioxide to Formate with the System of Formate Dehydrogenase and Sensitizer (Osaka City Univ., JST PRESTO, Oita Univ.) ◯Y. Amao • R. Abe • S. Shiotani	1C13 “The Excited State C-C Bond Cleavage-Emission” of Biphenyl-substituted Methylenecyclopropanes (Osaka Pref. Univ.) ◯T. Kido • Y. Matsui • E. Ohta • H. Ikeda
15:20	1A14 Two-photon Absorption Properties of Diarylpolyenes Studied by Optical-probing Photoacoustic Spectroscopy (Aoyama Gakuin Univ.) ◯T. Isozaki • S. Kinoshita • R. Takeuchi • T. Suzuki	1B14 Application of a Ruthenium(II) Complex Having an Arylborane Charge Transfer Unit to Photochemical Reactions (Hokkaido Univ., JST PRESTO) ◯E. Sakuda • N. Ishizaki • M. Tanaka • N. Kitamura	1C14 Excited-state Proton Transfer and <i>trans-cis</i> Photo- isomerization of Hydroxystilbene Derivatives (Tsukuba Univ.) ◯S. Nakazato • T. Arai
15:40	1A15 Exploration of Exciton Fission Materials Based on the Magnetic Field Effect of Fluorescence (Nihon Univ., AIST) T. Takahashi • Y. Sonoda • ◯R. Katoh	1B15 Photocatalytic CO ₂ Reduction Using Cu Complexes and a Fe Complex (Tokyo Tech., JST CREST) ◯H. Takeda • O. Ishitani	1C15 An Anthracene-BODIPY Conjugate Whose Electronic Structure is Optically and Thermally Switchable: Synthesis and Fluorescence Quenching Mechanism (NAIST, JST CREST) ◯T. Aotake • M. Suzuki • D. Kuzuhara • N. Aratani • H. Yamada

1D10 Development of Pyrene-based D- π -A Solvatochromic Dyes and Their Application for Plasma Membrane Probe (Tokyo Inst. Tech., Univ. Strasbourg) ◯ Y. Niko • A. S. Klymchenko • Y. Mély • G. Konishi	1L05 (13:45 ~ 14:15) Photoexcitation in Confined Space at Electrified Interface. K. Murakoshi (Hokkaido Univ.)	14:00
1D11 Isomerization Induced by Current Injection into a Diarylethene Film (Osaka Kyoiku Univ.) ◯ K. Yamamoto • T. Tsujioka	1L06 (14:15 ~ 14:45) Photo-responses of Molecular Systems Induced by Multiphoton and Multiple Excitation. H. Miyasaka (Osaka Univ.)	14:20
1D12 Chiroptical Properties of Chiral Salicylidenephenylethylamine Crystal with Photomechanical Function (Waseda Univ., AIST) ◯ A. Takanabe • M. Tanaka • M. Shiro • H. Koshima • T. Asahi	1L07 (14:45 ~ 15:15) Single-molecule Spectroscopy of Conjugated Polymers: Photoluminescence, Electroluminescence and Mechanical Control of Photophysics. M. Vacha (Tokyo Tech.)	14:40
1D13 Synthesis of Water-soluble Fluorescent Diarylethene Derivatives (Rikkyo Univ.) ◯ T. Inatome • A. Yagi • Y. Takagi • M. Morimoto • C. Matsuura • T. Katayama • S. Ito • H. Miyasaka • M. Irie	1L08 (15:15 ~ 16:05) FLUOROCODE, a Super Resolution Optical Map of DNA. J. Hofkens (Katholieke Univ. Leuven)	15:00
1D14 Photomodulation of the Perpendicular Magnetic Anisotropy in the Ferromagnetic-Semiconducting Nanosheets Assembly (Keio Univ.) ◯ T. Tsuboi • H. Namba • T. Yamamoto • Y. Einaga		15:20
1D15 Photocatalytic Conversion of CO ₂ in Water over Ni-Al Layered Double Hydroxide (Kyoto Univ., JST PRESTO) ◯ S. Iguchi • K. Teramura • S. Hosokawa • T. Tanaka		15:40

16:00	1A16 The Measurement of Tip-enhanced Raman Spectroscopy under the Ultra-high Vacuum and Low Temperature Condition (Unisoku Co. Ltd., AIST, Kwansai Gakuin Univ., Tohoku Univ.) ○T. Suzuki · T. Miura · Y. Miyatake · T. Itoh · Y. Kutsuma · T. Kaneko · I. Rzeznicka · Y. Ozaki	1B16 CO ₂ Capture and Photocatalytic CO ₂ Reduction by Rhenium(I) Complexes (Tokyo Univ. Tech., JST PRESTO, Tokyo Tech.) ○T. Morimoto · T. Nakajima · E. Kato · O. Ishitani	1C16 Crystal Structure and Solid-state Emission Behaviors of Aminobenzopyranoxanthene Dye (Okayama Univ., RIKEN, Hitachi High-Tech. Sci., Hiroshima Univ.) ○M. Tanioka · S. Kamino · J. Horigome · Y. Ooyama · M. Ueda · D. Sawada · S. Enomoto
16:20	1A17 Evaluation of Electromagnetic Strong Coupling System Composed of Ag Nanoparticle Dimer and Dye Using a Classical Coupled-oscillator Mode (AIST, Kagawa Univ., Univ. Tokyo, Kwansai Gakuin Univ.) ○T. Itoh · Y. Yamamoto · H. Tamaru · V. Biju · S. Wakida · Y. Ozaki	1B17 Kinetic Study for Photochemical CO ₂ Reduction Catalyzed by Ruthenium-Bipyridyl Complexes (Kitasato Univ., JST PRESTO) ○Y. Kuramochi · K. Fukaya · A. Enomoto · H. Ishida	1C17 Synthesis and Evaluation of New Caged DNA with Fluorescent Property (NAIST) ○Y. Sasaki · T. Hisai · S. Hikage · Y. Nishiyama · K. Kakiuchi
16:40	1A18 Structural Analysis of Chiral J-aggregates Using Anisotropy Circular Dichroism Spectroscopy (Hokkaido U., Ritsumeikan U., Univ. Tokyo) ○Y. Kitagawa · S. Shoji · M. Isaji · K. Ishii · H. Tamiaki	1B18 Photochemical CO ₂ Reduction Catalyzed by Novel Ruthenium-Peptide Complexes (Kitasato Univ., JST PRESTO) ○H. Ishida · M. Kamiya · K. Matsuura · M. Yoshida · Y. Kuramochi	1C18 Single-crystal-to-Single-crystal Phase Transition of Gold(I) Isocyanide Complex Induced by Auophilic Bonds Contraction upon Photoirradiation (Hokkaido Univ.) ○K. Sakurada · T. Seki · H. Ito
17:00	1A19 Sign Reversal of Circularly Polarized Luminescence Signal by Twisting Motion of a Bidentate Ligand (Nara Inst. Sci. Tech.) ○J. Yuasa · H. Ueno · T. Kawai	1B19 Photophysical Properties and Intracellular Behavior of Cationic Iridium Complexes with Mitochondria Specificity (Gunma Univ.) ○T. Yoshihara · S. Murayama · T. Kikuchi · S. Tobita	1C19 Development of New Photon-upconversion System Based on Liquid Crystalline Structures (Kyushu Univ.) ○K. Mase · N. Yanai · N. Kimizuka
17:20	1A20 Development of Highly Emissive Diphosphine Cu(I) Diacetylide Complexes and an Extension to the Photoinduced Electron Transfer Reaction (Osaka City Univ., Univ. Toyama) ○K. Okada · R. Kambara · S. Suzuki · M. Kozaki · E. Ishikawa · M. Iwamura · K. Nozaki	1B20 Protein Film Photoelectrochemistry of the Natural Water Oxidation Catalyst, Photosystem II (Hokkaido Univ., Ehime Univ.) ○M. Kato · H. Sato · M. Sugiura	1C20 Construction of Photon Upconversion System with the Red-Yellow Wavelength Conversion Function (Kitakyushu National College Tech., Orient Chem. Ind. Co. Ltd.) ○M. Kawahara · Y. Yamasaki · T. Nagamura · H. Yamane
18:00	Poster Session: 1P001 - 1P111 Odd Number (18:00 ~ 18:50) Even Number (18:50 ~ 19:40) 【FCC Build. 1F & 2F】		

	1D16 Preparation of Titanium Dioxide-coated Glass Plates and the Evaluation for Water Treatment Using Online Flow System (Gunma Univ., Chuo Univ.) ○ T. Sugita · M. Mori · K. Fujii · K. Katayama · H. Itabashi		16:00
	1D17 Photoluminescence and Photocatalytic Properties of Metal Oxide Nanocrystals with Tungsten Bronze Structure (Tokyo Univ. Sci.) ○ T. Takayama · A. Iwase · A. Kudo		16:20
	1D18 Synthesis and Luminescent Properties of Novel Blue Phosphorescent Organoiridium Complexes Bearing Carbazole-appended Dendrons (Osaka Pref. Univ.) ○ N. Okamura · S. Yagi · T. Maeda · H. Nakazumi		16:40
	1D19 Photo-electrochemical Response of Size-dependent PbS Quantized Nanoparticles Excited by Localized Surface Plasmon Resonance (Hokkaido Univ.) ○ X. W. Li · K. Suzuki · T. Toda · S. Yasuda · K. Murakoshi		17:00
	1D20 Control of Dynamic Alignment of Supramolecular Nanofibers with Light and Sound (Kobe Univ., Kyoto Inst. Tech.) ○ Y. Hotta · J. Motoyanagi · A. Tsuda		17:20
	Poster Session: 1P001 - 1P111 Odd Number (18:00 - 18:50) Even Number (18:50 - 19:40) 【FCC Build. 1F & 2F】		18:00