

September 4 (Mon.)		
	Room A	Room B
9 : 00	Registration 9:00~	
	Chair W. Y. Sohn (Chuo Univ.)	Chair K. Ohkubo (Osaka Univ.)
10 : 00	1A01 Femtosecond spectroscopic study on aqueous nanocolloids of a diarylethene derivative with benzofuran moiety (Ehime Univ. • Osaka City Univ.) ○Y. Ishibashi • D. Kitagawa • Y. Ogura • S. Kobatake • T. Asahi	1B01 Study on Fluorescence Sensor with ON ¹ -OFF-ON ² Switching Mechanism for Anthracene-Diurea Compounds Utilizing the Excited State Intermolecular Proton Transfer Reaction (Univ. Tsukuba) ○H. Matsumoto • Y. Nishimura • T. Arai
10 : 20	1A02 Exciton dynamics of semiconductor nanoparticle-photochromic molecule hybrid systems as revealed by femtosecond transient absorption measurement (Kwansei Gakuin Univ. • Rikkyo Univ.) ○T. Katayama • K. Kinoshita • K. Uemoto • Y. Usui • D. Shibayama • T. Okuhata • M. Morimoto • M. Irie • N. Tamai	1B02 Development of low molecular-weight photosensitizer by intramolecular charge transfer(Tokyo Tech.) ○Y. Tsuga • Z. Yijing • T. Kanamori • S. Ogura • H. Ohtani • H. Yuasa
10 : 40	Chair Y. Nagasawa (Ritsumeikan Univ.) 1A03 Sub-nanosecond dynamics of excited molecular complexes studied by transient absorption based on RIPT method (Nihon Univ. • Osaka Univ. • UNISOKU) ○R. Katoh • T. Nakagawa • T. Suenobu	1B03 Magnetic field effect on luminescence behaviors of organic radicals in rigid matrices (The Univ. Tokyo • Tohoku Univ.) ○S. Kimura • T. Kusamoto • S. Kimura • H. Nishihara
11 : 00	1A04 Primary relaxation processes of photogenerated charge carriers in Ta ₃ N ₅ powder (Toyota Central R&D Labs., Inc.) ○K. Yamanaka • T. Suzuki • S. Saeki • T. Morikawa	Chair T. Mori (Osaka Univ.) 1B04 Accelerated ring inversion of a [4 <i>n</i>]annulene derivative by photo-stabilization of its planar transition state (The Univ. Tokyo • Uppsala Univ. • Yonsei Univ. • Osaka Univ. • RIKEN) ○M. Ueda • K. Jorner • Y. M. Sung • T. Mori • D. Kim • H. Ottosson • Y. Itoh • T. Aida
11 : 20	1A05 Award Lecture of The Japanese Photochemistry Association Award for Technical Development for 2016 (11 : 20-11 : 45) Invention and Development of Novel Transient Absorption Technique, the RIPT method (Unisoku Co., Ltd.) Tatsuo Nakagawa Chair: Osamu Ito (Tohoku Univ.)	1B05 Photochromic properties of aminobenzopyranoxanthene (Okayama Univ. • RIKEN-CLST) ○M. Tanioka • S. Kamino • D. Sawada
11 : 40	1A06 Award Lecture of The Japanese Photochemistry Association Award for Technical Development for 2016 (11 : 45-12 : 10) Development of absolute photoluminescence quantum yield measurement system using an integrating sphere (Hamamatsu Photonics K.K.) ○Kengo Suzuki, Kazuya Iguchi Chair: Hitoshi Ishida (Kitasato Univ.)	1B06 Unique solvatofluorochromism of an amine-ketone dyad fixed in <i>syn</i> -conformation (Osaka Pref. Univ.) ○Y. Kuramoto • T. Nakagiri • Y. Matsui • E. Ohta • T. Ogaki • H. Ikeda
12 : 00	Lunch Break 12 : 00~13 : 00	

September 4 (Mon.)			
	Room C	Room D	
	Registration 9:00~		9 : 00
	Chair A. Furube (Tokushima Univ.)	Chair H. Nakano (Muroan Inst. Tech.)	
	1C01 Fluorescence behavior induced by photochemical ring-opening reaction of diarylethene crystal (Osaka City Univ. • Osaka Univ.) ○T. Nakahama • D. Kitagawa • H. Sotome • S. Ito • H. Miyasaka • S. Kobatake	1D01 Photo- and Thermal-induced Mechanical Motion of Chiral Salicylideneaniline Crystals (Waseda Univ.) ○T. Taniguchi • R. Sugimoto • J. Komiya • H. Koshima • T. Asahi	10 : 00
	1C02 In situ microscopic imaging for photoresponses of diarylethene film on aluminum plasmonic chip (Kwansei Gakuin Univ. • Ryukoku Univ.) ○T. Kadoyama • R. Nishimura • M. Toma • K. Uchida • K. Tawa	1D02 Photocontrol of the double roughness structures on the diarylethene microcrystalline surface (Ryukoku Univ. • Yamagata Univ. • Asahikawa Med. Univ. • TUPLS • RIKEN) ○R. Nishimura • Y. Nonomura • H. Mayama • S. Yokojima • S. Nakamura • K. Uchida	10 : 20
	1C03 Reversible fluorescence photoswitching of diarylethenes with single visible light (Rikkyo Univ. • Osaka Univ.) ○R. Kashihara • Y. Takagi • M. Morimoto • S. Ito • H. Miyasaka • M. Irie	1D03 Phosphorescence control via molecular rotation in solid phase (Hokkaido Univ. • Univ. California Los Angeles) ○M. Jin • T. S. Chung • T. Seki • H. Ito • M. A. Garcia-Garibay	10 : 40
	Chair K. Tawa (Kwansei Gakuin Univ.)	Chair H. Uji-i (Hokkaido Univ.)	11 : 00
	1C04 Multicolor fluorescence photoswitching based on the fluorescent photochromic nanoparticles (Kumamoto Univ.) S. Ishida • S. Kim • T. Ogata • S. Kurihara • ○T. Fukaminato	1D04 Flexible hybrid nanoparticle assemblies for high sensitive SERS and UV detection (Tohoku Univ.) ○Y. Liu • H. Zhu • S. Yamamoto • A. Watanabe • T. Miyashita • M. Mitsuishi	
	1C05 Photoinduced shape change of the particles composed of azobenzene-based photochromic amorphous molecular materials fixed in agar gel (Muroan Inst. Tech.) R. Ichikawa • ○H. Nakano	1D05 Correlation between nanostructures and optical properties of chromophoric ionic liquids (Kyushu Univ. • JST-PRESTO) ○S. Hisamitsu • N. Yanai • N. Kimizuka	11 : 20
	1C06 Photosynergetic systems based on fast photochromism (Aoyama Gakuin Univ.) ○J. Abe	1D06 Strategic improvement of the emission properties of carbohelicenes based on the control of molecular orbital energy (Kyoto Univ.) ○H. Kubo • T. Hirose • K. Matsuda	11 : 40
	Lunch Break 12 : 00~13 : 00		12 : 00

13 : 00	<p align="center">PL01 Plenary Lecture I (13 : 00~13 : 35) The Japanese Photochemistry Association Lectureship Award (2017) Prof. Kaoru Yamanouchi (The University of Tokyo) “Photochemical processes in intense laser fields” Chair: Hiroshi Segawa (The University of Tokyo) 【Room A】</p>	
	Chair N. Tamai (Kwansei Gakuin Univ.)	Chair T. Arai (Univ. Tsukuba)
13 : 40	1A07 Charge carrier kinetics in hematite with an amorphous NiFeO _x coating in aqueous solution: Dependence on bias voltage (Chuo Univ. • Boston College • Univ. Electro-communications • Toho Univ.) ○W. Y. Sohn • J. E. Thorne • Y. Zhang • S. Kuwahara • Q. Shen • D. Wang • K. Katayama	1B07 The RIPT (Randomly-Interleaved-Pulse-Train) method for the measurement of transient absorption spectra of luminescent oligophenylenes (Osaka Univ. • UNISOKU • Nihon Univ.) ○T. Suenobu • I. Arahori • K. Kitagawa • T. Suzuki • H. Hanada • K. Nakayama • T. Nakagawa • R. Katoh
14 : 00	1A08 Femtosecond coherent wavepacket motions in the intramolecular charge separation of bianthryl derivatives (Ritsumeikan Univ. • Osaka Univ. • JST-PRESTO) ○Y. Nagasawa • E. Takeuchi • Y. Yoneda • M. Muramatsu • T. Katayama • H. Miyasaka	1B08 Photochemical radical addition of cyclic ethers or acetals to olefins using <i>t</i> -Bu ₂ O ₂ (Nihon Univ.) ○M. Hayakawa • R. Shimizu • H. Omori • H. Shirota • H. Mashimo • S. Hirayama • T. Aoyama • A. Ouchi
14 : 20	1A09 Crystallization of thioglucoside induced by coherent molecular vibrational excitation (Kanagawa Univ.) ○I. Iwakura • K. Orisaku • K. Kimura • S. Hashimoto • S. Akai	1B09 Photochemical oxygenation of hydrocarbons using chlorine dioxide (Osaka Univ.) ○K. Ohkubo
14 : 40	Chair R. Katoh (Nihon Univ.)	Chair Y. Hasegawa (Hokkaido Univ.)
	1A10 Ultrafast excited-state dynamics and relaxation processes of emissive oligomers of [Au(CN) ₂] in aqueous solutions and emission enhancement by additional salts (Univ. Toyama • RIKEN) ○M. Iwamura • R. Wakabayashi • K. Nozaki • H. Kuramochi • S. Takeuchi • T. Tahara	1B10 Diastereodifferentiating intramolecular [2+2]photocycloaddition reaction of 1,4-naphthoquinone derivatives upon local and charge-transfer band excitations (Osaka Univ.) ○H. Ishikawa • T. Kida • T. Mori
15 : 00	1A11 Acceleration mechanism of charge recombination in diphenyleneethynylene-linked D-A diads in nonpolar solvents (Univ. Toyama • Osaka City Univ. • Osaka Univ.) K. Kimoto • T. Horikoshi • S. Suzuki • M. Kozaki • K. Okada • M. Iwamura • ○K. Nozaki	1B11 Synthesis, structure and photo physical properties of BF ₂ complexes with <i>N,O</i> -amido ligands: Blue fluorescence in solution and solid state studied by emission and transient absorption measurements (Gunma Univ. • Okayama Univ. • Kyushu Univ.) ○M. Yamaji • H. Okamoto • S. Kato • K. Goto • F. Tani • Y. Nakamura
15 : 20	Chair S. Ito (Osaka Univ.)	1B12 Design of near IR two-photon responsive molecules bearing D-π-D Structure: application to caged compounds (Hiroshima Univ. • Niigata Univ. • National Center Univ. • CNRS) ○Y. Chitose • M. Abe • K. Furukawa • T. Lin • C. Katan
	1A12 Synthesis of metal nanoparticles by femtosecond laser-induced plasma in liquid (Osaka City Univ. • Ehime Univ. • Tohoku Univ.) ○T. Okamoto • T. Nakamura • R. Kihara • T. Asahi • K. Sakota • T. Yatsuhashi	

	<p align="center">PL01 Plenary Lecture I (13 : 00~13 : 35) The Japanese Photochemistry Association Lectureship Award (2017) Prof. Kaoru Yamanouchi (The University of Tokyo) “Photochemical processes in intense laser fields” Chair: Hiroshi Segawa (The University of Tokyo) 【Room A】</p>		13 : 00
	Chair T. Fukaminato (Kumamoto Univ.)	Chair T. Nakashima (Nara Inst. Sci. Tech.)	
	1C07 A near-infrared organic photosensitizer for use in dye-sensitized photoelectrochemical water splitting (Tokyo Metropolitan Univ. • Nippon Kayaku Co., Ltd.) ○O. Suryani • Y. Higashino • J. Y. Mulyana • M. Kaneko • T. Hoshi • K. Shigaki • Y. Kubo	1D07 A Simple and versatile strategy for rapid color fading and intense coloration of photochromic naphthopyrans (Aoyama Gakuin Univ.) ○Y. Inagaki • K. Mutoh • J. Abe	13 : 40
	1C08 Development of hybrid photocatalysts for visible-light CO ₂ reduction using carbon nitride and a binuclear Ru(II) complex (Tokyo Tech. • Toyota Tech. Inst.) ○R. Kuriki • A. Yamakata • O. Ishitani • K. Maeda	1D08 Circular dichroism spectra of [6]helicene in the photoexcited triplet state (Tohoku Univ. • Osaka Univ.) ○M. Kuronuma • Y. Kikuchi • T. Sato • Y. Araki • T. Mori • T. Wada	14 : 00
	1C09 Effects of the back energy transfer in Tb(III) complexes with specific phosphine oxide interactions (Hokkaido Univ.) ○M. Yamamoto • Y. Kitagawa • T. Nakanishi • K. Fushimi • Y. Hasegawa	Chair S. Saito (Kyoto Univ.)	14 : 20
	Chair M. Maitani (The Univ. Tokyo)	1D09 Photo-Switching of Circularly Polarized Luminescence in a Dinuclear Europium Complex (Nara. Inst. Sci. Tech., Tokyo Univ. Sci.) ○Y. Hashimoto • T. Nakashima • M. Yamada • J. Yuasa • T. Kawai	
	1C10 Elucidation of carrier separation mechanism of hematite photoanodes by femtosecond transient absorption spectroscopy (Tokushima Univ. • Natl. Taiwan Univ. Sci. Tech.) ○M. Okazaki • A. Furube • Y.-J. Chen • L.-Y. Chen	1D10 Linearly polarized luminescence induced by a Langmuir-Brodgett film formation of an amphiphilic europium complex with a novel naphthoic acid (Aoyama Gakuin Univ. • Shizuoka Univ. • JASRI/SPring-8) ○K. Yoshihara • M. Yamanaka • A. Ishii • S. Kawaguchi • K. Sugimoto • M. Hasegawa	14 : 40
	1C11 Electron tunneling route of photoinduced primary charge-separated state in the PSII studied by electron spin polarization imaging method (Kobe Univ. • Nagoya Univ.) ○Y. Kobori • H. Nagashima • M. Hasegawa • R. Minobe • T. Tachikawa • H. Mino	1D11 Award Lecture of The Japanese Photochemistry Association Award for Technical Development for 2016 (15 : 00-15 : 25) Crystallization of membrane protein using the optical alignment effect by surface plasmon resonance of gold nanoparticles (Gunma Univ.) Tetsuo Okutsu Chair: Tadashi Suzuki (Aoyama Gakuin Univ.)	15 : 00
	1C12 Dynamics of photocarriers in metal ion doped Ga ₂ O ₃ photocatalysts studied by transient absorption spectroscopy (Toyota Tech. Inst. • Yamaguchi Univ.) ○J. J. Vequizo • S. Ishiyama • Y. Sakata • A. Yamakata		15 : 20

15 : 40	1A13 Electron-transfer fluorescence quenching of perylenediimide nanoparticles with surface adsorbed donor (Ehime Univ.) ○S. Sasaki • T. Asahi	Chair T. Kawai (Nara Inst. Sci. Tech.) 1B13 Award Lecture of Japanese Photochemistry Association Prize for Young Scientist for 2016 Circularly polarized luminescence in chiral self-assembled molecular systems (Nara Inst. Sci. Tech.) ○Takuya Nakashima
16 : 00	1A14 Electrochemical tuning of gap distance of Au Nanodimer in a single nm scale (Hokkaido Univ.) ○S. Oikawa • H. Minamimoto • K. Murakoshi	Chair A. Ouchi (Nihon Univ.) 1B14 Terarylene photoacid and photobase generators (Nara Inst. Sci. Tech. • Universite de Toulouse) ○C. J. Martin • T. Nakashima • G. Rapenne • T. Kawai
16 : 20	Chair T. Suzuki (Aoyama Gakuin Univ.) 1A15 Elucidation of fluorescence and non-radiative decay process of aggregation-induced emission molecules by using disubstituted tetraphenylethylene derivatives (Hokkaido Univ.) K. Kokado • ○T. Machida • T. Iwasa • T. Taketsugu • K. Sada	1B15 Relaxation rates of the excited states of Cu(I) complexes bearing phenathroline and diphosphine and emission temperature dependence (Gunma Univ. • Seikei Univ.) ○M. Asano • Y. Yasuda • D. Kakizoe • M. Nishikawa • T. Tsubomura
16 : 40	1A16 Ultrafast photoionization dynamics of a phenylenediamine derivative in solution phase induced by femtosecond multiphoton excitation (Osaka Univ.) ○M. Koga • Y. Yoneda • H. Sotome • H. Miyasaka	Chair S. Hatano (Hiroshima Univ.) 1B16 Solid-state ESIPT fluorescence of 3-amidophthalimides (Okayama Univ. • Gunma Univ.) ○H. Okamoto • K. Itani • M. Yamaji • H. Ota
17 : 00	1A17 Fluorescence detection of liquid-like cluster playing the key role in polymorph formation process during solvent evaporation (Shinshu Univ. • Ritsumeikan Univ. • Yamagata Univ. • Osaka Univ.) ○N. Oka • F. Ito • Y. Bando • Y. Haketa • R. Yamakado • H. Maeda • T. Miyano • N. Tohna • S. Ito • H. Miyasaka • S. Ozeki	1B17 Magneto-optical effect based on 4f-5d-transition and LMCT transition for lanthanide complexes (Hokkaido Univ.) ○Y. Kitagawa • S. Wada • T. Nakanishi • K. Fushimi • Y. Hasegawa
17 : 20	Chair T. Asahi (Ehime Univ.) 1A18 Excited state dynamics of thio-substituted guanosines under the biological pH conditions (Aoyama Gakuin Univ.) ○S. Miyata • T. Isozaki • T. Suzuki	Chair M. Yamaji (Gunma Univ.) 1B18 Circularly polarized luminescence (CPL) switching of dibenzofuran-based chiral diamine with pyrene rings (Yokohama National Univ. • Kindai Univ.) ○S. Ito • K. Ikeda • S. Nakanishi • Y. Imai • M. Asami
17 : 40	1A19 Excited state alignment for efficient reverse intersystem crossing (Kyushu Univ. • WPI-I2CNER • JST, ERATO, Adachi Molecular Exciton Engineering Project) ○H. Noda • H. Nakanotani • C. Adachi	1B19 Effects of the presence of metal nanoparticles on photon upconversion luminescence from dye aggregates (Nihon. Univ.) ○N. Takeshima • S. Jin • K. Sugawa • J. Otsuki
18 : 00	Poster Presentation : 18 : 00~19 : 40 (105) 100 min. Odd number (18 : 00~18 : 50) Even number (18 : 50~19 : 40)	

Chair T. Tachikawa (Kobe Univ.)	Chair K. Kamada (AIST)	15 : 40
1C13 Photoelectric conversion and photomultiplication properties based on the interface formation between a Eu complex and TiO ₂ film (Aoyama Gakuin Univ.) ○A. Ishii • R. Takahashi • T. Sakai • M. Hasegawa	1D13 Novel fabrication of flexible Ag@Au NPs SERS substrate on PDMS (Hokkaido Univ. • KU Leuven • Toray) ○T. Inose • B. Fortuni • S. Uezono • S. Toyouchi • Y. Fujita • H. Uji-i	
1C14 Efficient Photocatalyses Using Novel Multinuclear Complexes Having Re(I)-Rings (Tokyo Tech. • AIST) ○Y. Yamazaki • K. Koike • O. Ishitani	1D14 Electronic structure and stability of plasmonic Ag nanoparticles (Soc. Photogr. Imaging Jpn. • Tokyo Polytech. Univ.) ○T. Tani • R. Kan • Y. Yamano • T. Uchida	16 : 00
1C15 Identification of reaction intermediates for the photocatalytic conversion of CO ₂ by H ₂ O as an electron donor over Ag/ZnGa ₂ O ₄ /Ga ₂ O ₃ (Kyoto Univ.) ○K. Teramura • H. Tatumi • Z. Huang • Z. Wang • H. Asakura • S. Hosokawa • T. Tanaka	1D15 Emissive-reflective dual mode displaying device by integrating AC-electrochemiluminescence and localized surface plasmon resonance of silver nanoparticles based electrochromic reactions (Chiba Univ.) ○S. Tsuneyasu • M. Kawara • K. Nakamura • N. Kobayashi	16 : 20
Chair K. Maeda (Tokyo Tech.)	Chair H. Kawai (Shizuoka Univ.)	16 : 40
1C16 Manufacture and characterization of Ta ₃ N ₅ powder/Ti plate photoanode using roll press machine (Meiji Univ. • The Univ. Tokyo) ○M. Iwase • K. Domen • T. Watanabe	1D16 Inert layered silicate improves the electrochromic properties (NIMS • Tokyo Tech.) ○M. Eguchi • M. Momotake • F. Inoue • T. Oshima • K. Maeda • M. Higuchi	
1C17 Photocatalytic activity enhancement of dumbbell-shaped quantum dots of ZnS-AgInS ₂ solid solution via nanostructure control (Nagoya Univ. • Osaka Univ.) ○S. Koyama • T. Kameyama • S. Kuwabata • T. Torimoto	1D17 Photon upconversion properties of sensitizer dye fixed on the surface of nano-porous glass (AIST • Hamamatsu Photonics • Kwansai Gakuin Univ.) ○T. Mizokuro • A. Abulikemu • K. Suzuki • Y. Sakagami • R. Nishii • T. Jin • K. Kamada	17 : 00
Chair A. Yamakata (Toyota Tech. Inst.)	Chair J. Abe (Aoyama Gakuin Univ.)	17 : 20
1C18 Unique charge transfer behavior on strontium titanate mesocrystal photocatalysts (Kobe Univ.) ○T. Tachikawa • T. Ochi • Y. Kobori	1D18 Creation of amorphous molecular materials possessing pyrene moieties and their emission properties in solid states (Muroran Inst. Tech.) ○S. Yoneta • E. Nagata • T. Ara • H. Nakano	
1C19 Influences of photomechanical deposition of Co-Pi on α-Fe ₂ O ₃ under electromagnetic wave irradiation on electric properties at semiconductor/co-catalysts interface (The Univ. Tokyo • Tokyo Tech. • Saga Univ.) ○M. Maitani • T. Yamada • H. Mashiko • K. Yoshimatsu • T. Oshima • A. Ohtomo • Y. Wada	1D19 Porphyrin glasses exhibit amorphous-state near-infrared excimer photoluminescence (Kyoto Inst. Tech. • Yamagata Univ. • Hokkaido Univ.) ○M. Morisue • I. Ueno • M. Shimizu • S. Sasaki • J. Matsui • S. Omgari • T. Nakanishi • Y. Hasegawa	17 : 40
Poster Presentation : 18 : 00~19 : 40 (105) 100 min. Odd number (18 : 00~18 : 50) Even number (18 : 50~19 : 40)		18 : 00

September 5 (Tue.)		
	Room A	Room B
8 : 00	Registration 8:00~	
	Chair T. Yatsunami (Osaka City Univ.)	Chair T. Okutsu (Gunma Univ.)
9 : 00	2A01 Preparation of 9,10-BEPA nanoparticles using laser ablation in surfactant solution and its photoluminescence properties. (NIT, Nagaoka College) ○Y. Murakami • K. Mikami • M. Aizuka	2B01 Protein damage by P(V)porphyrin photosensitizers under long wavelength visible light irradiation: effect of axial fluorination (Shizuoka Univ. • Hamamatsu Univ. Sci. Med. • The Univ. Tokyo) ○K. Hirakawa • A. Suzuki • D. Ouyang • S. Okazaki • J. Nakazaki • H. Segawa
9 : 20	2A02 Molecular configuration dependent photochemical reaction at the organic/inorganic interface (Kyoto Univ.) ○M. Sakamoto • D. Eguchi • T. Teranishi	2B02 Detection and cell death induction of cancer cells by cyclometalated Ir complex-peptide hybrids (Tokyo Univ. Sci.) ○S. Aoki • A.-A. Masum • K. Naito • K. Yokoi
9 : 40	2A03 Fluorescence modulation of TCNQ with solvent polarity change (Muroran Inst. Tech.) ○H. Tamaya • H. Nakano • T. Iimori	2B03 Oxygen tension of kidney based on phosphorescence lifetime measurement of iridium(III) complex (Gunma Univ. • The Univ. Tokyo) ○T. Yoshihara • Y. Hirakawa • K. Mizukami • M. Nangaku • S. Tobita
	Chair M. Sakamoto (Kyoto Univ.)	Chair S. Tobita (Gunma Univ.)
10 : 00	2A04 Density functional theory-based verification of H ₂ O aggregation explaining greenhouse effect and radiation loss in atmosphere (Osaka Univ. • Gifu Univ. • Ryukyuu Univ.) ○S. Yanagida • K. Manseki • S. Yanagisawa	2B04 Development of pH-activatable photosensitizers for photodynamic therapy (Gunma Univ. • Shizuoka Univ.) ○H. Horiuchi • M. Isogai • A. Hirabara • K. Hirakawa • T. Okutsu
10 : 20	2A05 Photochromism of blue-merocyanine dye (Nihon Univ. • Wako Pure Chemical Industries, Ltd.) K. Nemoto • ○M. Enoki • K. Suzuki • T. Murase • S. Imazeki • R. Katoh	2B05 Study of anti-cancer drug administration in single cancer cells using remote excitation of SERS (RE-SERS) (Hokkaido Univ. • KU Leuven) ○H. Uji-i • M. Ricci • B. Fortuni • S. Rocha • S. Toyouchi • Y. Fujita • T. Inose

September 5 (Tue.)			
	Room C	Room D	
8 : 00	Registration 8:00~		8 : 00
	Chair Y. Takaguchi (Okayama Univ.)	Chair F. Yagishita (Tokushima Univ.)	
9 : 00	2C01 Visible light driven Z-scheme water splitting with polyoxometalates as electron mediators (Kyoto Univ. • JST-CREST) ○O. Tomita • H. Naito • K. Tsuji • M. Higashi • R. Abe	2D01 Dynamic control of glucan-polythiophene hybrid (Tokyo Tech. • Osaka Univ. • Univ. Victoria • Sichuan Univ.) ○G. Fukuhara • M. Imai • D. Fuentealba • Y. Ishida • H. Kurohara • C. Yang • T. Mori • H. Uyama • C. Bohne • Y. Inoue	9 : 00
9 : 20	2C02 Prominent performance for visible-light-driven water oxidation on an in situ N ₂ -intercalated WO ₃ nanorod photoanode synthesized by a dual functional structure directing agent (Niigata Univ.) D. Li • R. Takeuchi • K. Saito • T. Yui • ○M. Yagi	2D02 Unique photochemical behavior of bipyridinium derivatives on clay surface (Niigata Univ.) ○T. Yui • Y. Naraoka • C. Haga • M. Uehara	9 : 20
9 : 40	2C03 Water reduction/oxidation reactions driven by nanoparticle photocatalyst with multi-layered photosensitizing layers (Hokkaido Univ.) ○A. Kobayashi • S. Furugori • M. Yoshida • M. Kato	2D03 Photoactivatable luminescent europium(III) complexes (Tokyo Univ. Sci. • Nara Inst. Sci. Tech. • JST-PRESTO) ○J. Yuasa • T. Nakagawa • Y. Kita • A. Kaito • T. Kawai	9 : 40
	Chair O. Tomita (Kyoto Univ.)	Chair F. Ito (Shinshu Univ.)	
10 : 00	2C04 Visible light induced water splitting sensitized by earth-abundant metalloporphyrins (Tokyo Metropolitan Univ. • Tokyo Univ. Sci.) ○F. Kuttassery • S. Mathew • S. N. Remello • D. Yamamoto • Y. Nabetani • H. Tachibana • A. Iwase • A. Kudo • H. Inoue	2D04 Preparation of the photo-responsive ion-pairing dimension-controlled assemblies (Yamagata Univ. • Nagoya Univ. • Ritsumeikan Univ.) ○R. Yamakado • M. Hara • S. Nagano • T. Seki • H. Maeda	10 : 00
10 : 20	2C05 Photosensitizing H ₂ evolution from water using thiocarbonyl dye-encapsulated single-walled carbon nanotubes (Okayama Univ. • Yamaguchi Univ.) N. Murakami • H. Miyake • T. Izawa • D. Miyamoto • T. Tajima • ○Y. Takaguchi	2D05 Excited-state dynamics of flapping fluorophore and application to molecular force probe (Kyoto Univ. • Osaka Univ. • Aoyama Gakuin Univ. • JST-PRESTO) ○R. Kotani • H. Sotome • H. Okajima • S. Yokoyama • Y. Nakaike • A. Osuka • A. Sakamoto • H. Miyasaka • A. Saito	10 : 20

10 : 50	<p style="text-align: center;">AL01 Award Lecture I (10 : 50-11 : 15) Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikohsha Senior Scientist Achikanath C. Bhasikuttan (Bhabha Atomic Research Centre, India) “Molecular Recognition in Biomolecular Assemblies: A Photochemical Perspective” Chair: Hiroshi Ikeda (Osaka Prefecture University) 【Room A】</p>
11 : 15	<p style="text-align: center;">AL02 Award Lecture II (11 : 15-11 : 50) Elsevier Lectureship Award Prof. Can Li (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China) “Photogenerated charge separation in photocatalysis and photoelectrocatalysis” Chair: Akihiko Kudo (Tokyo University of Science) 【Room A】</p>
11 : 50	Lunch Break 11 : 50~12 : 50
12 : 50	Poster Presentation : 12 : 50~14 : 30 (104) 100 min Odd number (12 : 50~13 : 40) Even number (13 : 40~14 : 30)
14 : 40	<p style="text-align: center;">AL03 Award Lecture III (14 : 40-15 : 15) The Japanese Photochemistry Association Honda-Fujishima Lectureship Award Prof. Albert M. Brouwer (University of Amsterdam, Netherlands) “Molecular fluorescent probes in materials science” Chair: Hiroshi Miyasaka (Osaka University)</p> <p style="text-align: center;">AL04 Award Lecture IV (15 : 15-15 : 40) The Japanese Photochemistry Association Award (2016) Prof. Tsukasa Torimoto (Nagoya University) “Structure control of semiconductor nanoparticles and development of novel photo-functional materials” Chair: Bunsho Ohtani (Hokkaido University)</p> <p style="text-align: center;">AL05 Award Lecture V (15 : 40-16 : 05) The Japanese Photochemistry Association Award (2016) Prof. Kenji Matsuda (Kyoto University) “Development of High-Order Photoresponsive Property by Assembly of Photochromic Molecules” Chair: Jiro Abe (Aoyama Gakuin University) 【Room A】</p>
16 : 20	JPA General Meeting & Ceremony : 16 : 20-18 : 00
18 : 00	Travel time to Banquet : 18 : 00-19 : 00
19 : 00	Banquet: 19 : 00-21 : 00 at Hotel Metropolitan Sendai

10 : 50	<p style="text-align: center;">AL01 Award Lecture I (10 : 50-11 : 15) Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikohsha Senior Scientist Achikanath C. Bhasikuttan (Bhabha Atomic Research Centre, India) “Molecular Recognition in Biomolecular Assemblies: A Photochemical Perspective” Chair: Hiroshi Ikeda (Osaka Prefecture University) 【Room A】</p>	10 : 50
11 : 15	<p style="text-align: center;">AL02 Award Lecture II (11 : 15-11 : 50) Elsevier Lectureship Award Prof. Can Li (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China) “Photogenerated charge separation in photocatalysis and photoelectrocatalysis” Chair: Akihiko Kudo (Tokyo University of Science) 【Room A】</p>	11 : 15
11 : 50	Lunch Break 11 : 50~12 : 50	11 : 50
12 : 50	Poster Presentation : 12 : 50~14 : 30 (104) 100 min Odd number (12 : 50~13 : 40) Even number (13 : 40~14 : 30)	12 : 50
14 : 40	<p style="text-align: center;">AL03 Award Lecture III (14 : 40-15 : 15) The Japanese Photochemistry Association Honda-Fujishima Lectureship Award Prof. Albert M. Brouwer (University of Amsterdam, Netherlands) “Molecular fluorescent probes in materials science” Chair: Hiroshi Miyasaka (Osaka University)</p> <p style="text-align: center;">AL04 Award Lecture IV (15 : 15-15 : 40) The Japanese Photochemistry Association Award (2016) Prof. Tsukasa Torimoto (Nagoya University) “Structure control of semiconductor nanoparticles and development of novel photo-functional materials” Chair: Bunsho Ohtani (Hokkaido University)</p> <p style="text-align: center;">AL05 Award Lecture V (15 : 40-16 : 05) The Japanese Photochemistry Association Award (2016) Prof. Kenji Matsuda (Kyoto University) “Development of High-Order Photoresponsive Property by Assembly of Photochromic Molecules” Chair: Jiro Abe (Aoyama Gakuin University) 【Room A】</p>	14 : 40
16 : 20	JPA General Meeting & Ceremony : 16 : 20-18 : 00	16 : 20
18 : 00	Travel time to Banquet : 18 : 00-19 : 00	18 : 00
19 : 00	Banquet: 19 : 00-21 : 00 at Hotel Metropolitan Sendai	19 : 00

September 6 (Wed.)		
	Room A	Room B
8 : 00	Registration 8:00~	
	Chair Y. Tsuboi (Osaka City Univ.)	Chair T. Higashino (Kyoto Univ.)
9 : 00	3A01 Short-wavelength infrared emitting polymer dots: a single particle study (KAUST • Tokyo Tech.) H. Piwonski • T. Michinobu • ○S. Habuchi	3B01 Detailed analyses of energy transfer between identical chromophores by using DNA scaffold (Nagoya Univ. • PRESTO-JST • Tohoku Univ.) ○H. Kashida • H. Kawai • Y. Araki • T. Wada • H. Asanuma
9 : 20	3A02 Femtosecond laser-induced crystallization and amyloid fibril formation of insulin (Natl. Chiao Tung Univ. • Hokkaido Univ. • Kobe Univ. • Nara Inst. Sci. Tech.) ○T. Liu • K. Yuyama • T. Hiramatsu • N. Yamamoto • E. Chatani • H. Masuhara • T. Sugiyama	3B02 Orientation-controlled gold nanorods using a double-strand DNA brush and their plasmonic behavior (Hokkaido Univ. • Nippon Inst. Tech. • LCLS • Tokyo Tech.) ○K. Ijiri • S. Nakamura • H. Mitomo • M. Aizawa • Y. Matsuo • K. Niikura • A. Shishido
9 : 40	3A03 Reversible switching of radiation force acting on optically-trapped microparticles induced by photochromic reactions (Osaka Univ. • Aoyama Gakuin Univ. • Rikkyo Univ.) ○K. Setoura • M. A. Memon • M. Mitsuishi • S. Ito • J. Abe • M. Morimoto • M. Irie • H. Miyasaka	3B03 pH-Responsive emission change based on the aggregation of donor-acceptor dyes (NIT, Kurume College) ○T. Ishi-i • T. Nakanishi
	Chair S. Habuchi (KAUST)	Chair M. Ishikawa (Josai Univ.)
10 : 00	3A04 Laser trapping and raman spectroscopy of single carbonaceous particles in air by using an annular beam (Hiroshima Univ.) ○S. Ishizaka • M. Uraoka • K. Maegawa	3B04 Development of fluorescent molecular probes for the selective detections of neurotransmitters (AIST) ○Y. Suzuki • M. Tanaka
10 : 20	3A05 Crystallization, amyloid fibrillogenesis, and chirality in laser trapping chemistry (Natl. Chiao Tung Univ. • Nara Inst. Sci. Tech.) ○T. Sugiyama	3B05 Utilizing electron transfer reaction in photoinduced charge separation molecule for photoreduction in mitochondria in cancer cells (Hokkaido Univ. • Kyoto Univ.) ○Y. Takano • R. Munechika • Y. Fukuda • V. P. Biju • H. Imahori • H. Harashima • Y. Yamada

September 6 (Wed.)			
	Room C	Room D	
8 : 00	Registration 8:00~		8 : 00
	Chair K. Ueno (Hokkaido Univ.)	Chair M. Vacha (Tokyo Tech.)	
9 : 00	3C01 Plasmonic heating induced phase separation of thermo-responsive polymers around a single gold nanoparticle as observed by dark-field microscopy-spectroscopy (Tokushima Univ. • Josai Univ.) ○I. Aibara • J. Chikazawa • T. Uwada • S. Hashimoto	3D01 Evaporation rate-based selection of supramolecular chirality of polythiophene aggregates (The Univ. Tokyo • KU Leuven) ○S. Hattori • S. Vandendriessche • G. Koeckelberghs • T. Verbiest • K. Ishii	9 : 00
9 : 20	3C02 Plasmon-induced charge separation by the use of chemically synthesized gold nanorods and analysis of its reaction sites (The Univ. Tokyo) ○H. Nishi • T. Tatsuma	3D02 Aggregation-induced singlet oxygen generation of fluorophore and anthrylphenylene dyads (Osaka Univ.) ○S. Kim • Y. Zhou • N. Tohnai • M. Fujitsuka • M. Miyata • T. Majima	9 : 20
9 : 40	3C03 Investigation of isotopic effect in electrochemical hydrogen evolution reaction through the visualization of the localized reaction active site (Hokkaido Univ.) ○H. Minamimoto • K. Murakoshi	Chair H. Tamiaki (Ritsumeikan Univ.)	9 : 40
	Chair H. Nishi (The Univ. Tokyo)	3D03 Award Lecture of Japanese Photochemistry Association Prize for Young Scientist for 2016 Development of flexible fluorophores and photofunctional materials (Kyoto Univ., JST-PRESTO) ○Shohei Saito	
		Chair T. Kawai (Nara Inst. Sci. Tech.)	
10 : 00	3C04 Visualization of plasmon-plasmon interaction on chemically-synthesized silver nanowires (KU Leuven • Hokkaido Univ.) ○S. Toyouchi • Y. Fujita • H. Uji-i	3D04 Near-infrared to visible triplet-triplet annihilation upconversion in binary solids fabricated by solution casting (AIST • Nara Inst. Sci. Tech.) ○A. Abulikemu • Y. Sakagami • K. Kamada • D. Kuzuhara • H. Yamada	10 : 00
10 : 20	3C05 Selective turn-on of plasmon enhancement of resonant energy transfer in single hybrid nanoparticles (Tokyo Tech.) ○M. Vacha • L. Bujak • T. Ishii • D. K. Sharma • S. Hirata	3D05 Triplet-triplet annihilation-photon upconversion using dyads of two diphenylanthracenes tethered by a non-conjugated moiety (Osaka Pref. Univ.) ○Y. Matsui • M. Kanoh • Y. Kokita • T. Ogaki • E. Ohta • H. Ikeda	10 : 20

	Chair S. Kajimoto (Tohoku Univ.)	Chair K. Ijro (Hokkaido Univ.)
10 : 40	3A06 Non-plasmonic NASCA-optical tweezers: A mechanistic and functional study (Osaka City Univ.) A. Mototsuji • Y. Uenobo • T. Shoji • ○Y. Tsuboi	3B06 Oxygen imaging in adipocyte using a confocal scanning phosphorescence lifetime imaging microscopy (Gunma Univ.) ○K. Purevsuren • K. Mizukami • T. Yoshihara • S. Tobita
11 : 00	3A07 Control of orientation of a nanosheet by using radiation pressure of laser beam (Yamaguchi Univ. • Kyushu Inst. Tech.) ○Y. Suzuki • M. Tominaga • T. Nagashita • Y. Higashi • J. Kawamata • T. Kumamoto • T. Nakato	3B07 Optical microscopic study of protein crystals as nanoporous materials and nano-reaction field (Josai Univ.) ○T. Uwada • C. Suzuki • I. Takahashi • M. Ishikawa
11 : 30	PL02 Plenary Lecture II (11 : 30~12 : 05) The Japanese Photochemistry Association Lectureship Award (2017) Prof. Bunsho Ohtani (Hokkaido University) “Revisiting heterogeneous photocatalysis from the standpoint of photochemistry” Chair: Osamu Ishitani (Tokyo Institute of Technology) 【Room A】	
12 : 05	Lunch Break 12 : 05~13 : 00	
	Chair T. Yago (Saitama Univ.)	Chair H. Kashida (Nagoya Univ.)
13 : 00	3A08 Microspectroscopic studies of magneto-sensitive radical pair reactions (The Univ. Tokyo) L. M. Antill • N. Ikeya • ○J. R. Woodward	3B08 Photochemical CO ₂ reduction catalyzed by ruthenium-peptide complexes (Kitasato Univ.) ○H. Ishida • C. Kojima • A. Ohtsuka • J. Itabashi • M. Kamiya • Y. Kuramochi
13 : 20	3A09 Electric field and molecularity effect on charge dissociation yield in organic materials (AIST • Lodz Univ. Tech.) ○K. Seki • M. Wojcik	3B09 Development of visible-light-driven photocatalyst using polydiacetylene nanocrystals (Tohoku Univ.) ○T. Onodera • C. Pornrungrroj • M. Ozawa • H. Oikawa
13 : 40	Chair A. Ishii (Univ. Tsukuba)	Chair H. Ishida (Kitasato Univ.)
	3A10 Characterization of triple pairs generated by singlet fission in organic crystals (Saitama Univ. • AIST • Nihon Univ.) ○T. Yago • Y. Sonoda • R. Katoh • M. Wakasa	3B10 Excited states control of wideband Ru(II) photosensitizers and its application toward highly efficient photoelectric conversion (The Univ. Tokyo) ○T. Kinoshita • T. Kubo • S. Uchida • H. Segawa
14 : 00	3A11 Reconsideration on the kinetics of triplet-triplet annihilation upconversion (AIST) ○K. Kamada • A. Ablikemu • T. Mizokuro	3B11 Photoinduced silica nanostructures based on cyclosiloxane supramolecule assemblies at room temperature (Tohoku Univ.) ○H. Zhu • B. Akkus • S. Yamamoto • T. Miyashita • M. Mitsuishi
14 : 20	Poster Presentation : 14 : 20~16 : 00 (101) 100 min. Odd number (14 : 20~15 : 10) Even number (15 : 10~16 : 00)	

	Chair H. Minamimoto (Hokkaido Univ.)	Chair M. Fujitsuka (Osaka Univ.)	
	3C06 Near-field spectral properties and ultrafast dynamics of coupling modes between localized surface plasmon and surface plasmon polariton Bloch wave (Hokkaido Univ. • Peking Univ. • Natl. Chiao Tung Univ.) J. Yang • ○Q. Sun • H. Yu • K. Ueno • Q. Gong • H. Misawa	3D06 Evaluation of up-conversion in low molecular mass gel (Shizuoka Univ. • Meijo Univ. • Fukuoka Univ.) ○S. Uda • K. Nishiyama • Y. Katsumoto • H. Kawai	10 : 40
	3C07 Synthesis of H-doped molybdenum oxides exhibiting surface plasmon resonance and their catalytic applications under light irradiation (Osaka Univ. • Kyoto Univ. • JST-PRESTO) Y. Kuwahara • H. Cheng • K. Mori • ○H. Yamashita	3D07 Theoretical analysis of triplet-Triplet annihilation processes of 9,10-diphenylanthracene and its derivative (Univ. Tsukuba • AIST • IMS • Shizuoka Univ.) ○R. Sato • H. Kitoh-Nishioka • K. Kamada • T. Mizokuro • T. Ynai • K. Kobayashi • Y. Shigeta	11 : 00
	PL02 Plenary Lecture II (11 : 30~12 : 05) The Japanese Photochemistry Association Lectureship Award (2017) Prof. Bunsho Ohtani (Hokkaido University) “Revisiting heterogeneous photocatalysis from the standpoint of photochemistry” Chair: Osamu Ishitani (Tokyo Institute of Technology) 【Room A】		11 : 30
	Lunch Break 12 : 05~13 : 00		12 : 05
	Chair M. Mitsuishi (Tohoku Univ.)	Chair T. Yoshihara (Gunma Univ.)	
	3C08 Plasmon-induced charge separation assisted by metal oxide/hydroxide toward visible light water splitting (The Univ. Tokyo) ○K.-C. Kao • H. Nishi • T. Tatsuma	3D08 Fluorescence via higher triplets in the OLED using a bisanthracene derivative as an emitting layer and its design principle (Kyoto Univ. • Yamagata Univ. • JST-PRESTO) ○T. Sato • R. Hayashi • N. Haruta • Y. Pu	13 : 00
	3C09 High light-absorbing plasmonic solar cells using coupling between localized surface plasmon and microcavity (Hokkaido Univ. • Natl. Chiao Tung Univ.) ○K. Nakamura • T. Oshikiri • X. Shi • K. Ueno • H. Misawa	3D09 Luminescence properties of dibenzoylmethane boron difluoride complex depending on the aggregate states (Shinshu Univ. • Tokyo Tech.) M. Saigusa • ○F. Ito • S. Hirata • M. Vacha	13 : 20
	3C10 Novel photovoltaic design by well coupling multiple exciton generation of PbS quantum dots with plasmonic Au nanoparticles (Hokkaido Univ.) ○X. Li • H. Minamimoto • K. Murakoshi	Chair T. Yui (Niigata Univ.)	13 : 40
		3D10 Fluorescence properties and conformation of polyfluorene single chains in different media (Tokyo Tech.) ○T. Nakamura • S. Hirata • M. Vacha	
		3D11 Mechanism of efficient photoluminescence in amine-functionalized Si nanoparticles (Gunma Univ.) ○J. Fujisawa • C. Takahashi • M. Hanaya	14 : 00
	Poster Presentation : 14 : 20~16 : 00 (101) 100 min. Odd number (14 : 20~15 : 10) Even number (15 : 10~16 : 00)		14 : 20