

September 5 (Wed)		
	Room A	Room B
8 : 00	Registration 8 : 00~	
Chair	TAWA, Keiko (Kwansei Gakuin Univ.)	
9 : 00	<b>9 : 00~11 : 40</b> <b>Symposium I</b> <b>Energy Flow in Photosynthetic Antennas</b> 9 : 00~9 : 30 IS01 Optimization of energy-transfer from carotenoid to chlorophyll in photosynthetic antennas (Kwansei Gakuin Univ.) HASHIMOTO, Hideki	1B01 Observation of immunostained microtubules using three-dimensional super-resolution microscopy ( <sup>1</sup> Olympus Corp., <sup>2</sup> Budapest Univ. of Tech. and Econo., <sup>3</sup> Kitasato Univ.) ○ IKETAKI, Yoshinori <sup>1</sup> · BOKOR, Nandor <sup>2</sup> · OKADA, Daisuke <sup>3</sup> · KUMAGAI, Hiroshi <sup>3</sup>
9 : 20	9 : 30~10 : 00 IS02 Energy transfer in biohybrid photosynthetic antenna systems	1B02 Millimeter-deep single-particle imaging through scattering media by short-wavelength infrared emitting polymer dots ( <sup>1</sup> KAUST · <sup>2</sup> Tokyo Inst. Tech.) PIWONSKI, Hubert <sup>1</sup> · MICHINOBU, Tsuyoshi <sup>2</sup> · ○HABUCHI, Satoshi <sup>1</sup>
9 : 40	( <sup>1</sup> Ritsumeikan Univ. · <sup>2</sup> Nagoya Inst. Tech.) NAGASAWA, Yutaka <sup>1</sup> · DEWA, Takehisa <sup>2</sup> 10 : 00~10 : 30 IS03 Quantum dissipative aspects in light harvesting systems: Primary charge separation in the PSII reaction center and charge recombination in organic photovoltaics	1B03 Oxygen imaging of living cells and tissues using confocal phosphorescence lifetime imaging microscope ( <sup>1</sup> Gunma Univ. · <sup>2</sup> Univ. of Tokyo) ○ YOSHIHARA, Toshitada <sup>1</sup> · MIZUKAMI, Kiichi <sup>1</sup> · KATANO, Ayaka <sup>1</sup> · MATSUMURA, Nao <sup>1</sup> · SHIOZAKI, Shuichi <sup>1</sup> · HIRAKAWA, Yosuke <sup>2</sup> · NANGAKU, Masaomi <sup>2</sup> · TOBITA, Seiji <sup>1</sup>
10 : 00	(IMS) ISHIZAKI, Akihito 10 : 30~11 : 00 IS04 Energy transfer dynamics of purple bacterial photosynthetic antennas as probed by 5 fs~ns time-resolve spectroscopy	1B04 Absorption and fluorescence microspectroscopic study of protein crystals as nanoporous materials (Josai Univ.) ○ UWADA, Takayuki · KOUNO, Kouhei · ISHIKAWA, Mitsuru
Chair	TSUBOI, Yasuyuki (Osaka City Univ.)	
10 : 20	11 : 00~11 : 30 IS05 Ultrafast dynamics in photosynthetic antenna investigated by multi-pump spectroscopy (Tohoku Univ.) YOSHIZAWA, Masayuki	1B05 Optical Manipulation of Polymer Microparticles Attained by Absorption Force (Osaka Univ.) ○ SETOURA, Kenji · NAKAMURA, Shinya · ITO, Syoji · MIYASAKA, Hiroshi
10 : 40	11 : 30~11 : 40 Closing remarks (Kwansei Gakuin Univ.) HASHIMOTO, Hideki	1B06 Optical force spectroscopy ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> Osaka Pref. Univ. · <sup>3</sup> Osaka Univ.) FUJIWARA, Hideki <sup>1</sup> · YAMAUCHI, Kyosuke <sup>1</sup> · WADA, Takudo <sup>2</sup> · ISHIHARA, Hajime <sup>2,3</sup> · ○SASAKI, Keiji <sup>1</sup>
11 : 00		1B07 Long-range interaction and association of polystyrene nanoparticles at solution surface induced by laser trapping ( <sup>1</sup> National Chiao Tung Univ., Taiwan · <sup>2</sup> Hokkaido Univ.) WU, Chi-lung <sup>1</sup> · KUDO, Tetsuhiro <sup>1</sup> · YUYAMA, Ken-ichi <sup>2</sup> · ○MASUHARA, Hiroshi <sup>1</sup>

September 5 (Wed)			
	Room C	Room D	
	Registration 8 : 00~		8 : 00
	HIRAI, Katsuyuki (Mie Univ.)	ASAHI, Tsuyoshi (Ehime Univ.)	Chair
	1C01 Oligosaccharide-sensing in aqueous media by tetraphenylethylene-modified curdlan ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Kyoto Pref. Univ. · <sup>3</sup> Univ. of Victoria · <sup>4</sup> Tokyo Inst. Tech. · <sup>5</sup> JST-PRESTO) KUROHARA, Hiroki <sup>1</sup> · NUMATA, Munenori <sup>2</sup> · BOHNE, Cornelia <sup>3</sup> · INOUE, Yoshihisa <sup>1</sup> · ○ FUKUHARA, Gaku <sup>4</sup>	1D01 Photon upconversion with sensitizer fixed on nanopore surface and emitter dissolved in solution and the triplet-energy-transfer dynamics between them ( <sup>1</sup> AIST · <sup>2</sup> Hamamatsu Photonics · <sup>3</sup> Kwansei Gakuin Univ.) ○ MIZOKURO, Toshiko <sup>1</sup> · ABULIKEMU, Aizitiai <sup>1</sup> · SUZUKI, Kengo <sup>2</sup> · SAKAGAMI, Yusuke <sup>1,3</sup> · NISHII, Ritsuki <sup>1,3</sup> · JIN, Tetsuro <sup>1</sup> · KAMADA, Kenji <sup>1,3</sup>	9 : 00
	1C02 Sensing methodology using circularly polarized luminescence from coordination-driven chiral-assembly (Tokyo Univ. of Sci.) YUASA, Junpei · IMAI, Yuki · ○NONOMURA, Kohei	1D02 Electrochemically triggered upconversion emission via triplet-triplet annihilation based on electrochemical excitation of Ru(II) complex (Chiba Univ.) ○NAKAMURA, Kazuki · ICHIKAWA, Takuya · KOBAYASHI, Norihisa	9 : 20
	1C03 Development of the polyurethane elastomer indicating high photoelastic effect and application to a sensor ( <sup>1</sup> Mitsui chemicals · <sup>2</sup> Kansai Univ.) ○MITSUZUKA, Masahiko <sup>1</sup> · KINBARA, Yuho <sup>1</sup> · KAGAOKA, Masakazu <sup>1</sup> · TONE, Takaaki <sup>2</sup> · NAKATSUJI, Takahiro <sup>2</sup> · TANG, Yifu <sup>2</sup> · SUGINO, Yo <sup>2</sup> · TAKARADA, Jun <sup>2</sup> · TAJITSU, Yoshiro <sup>2</sup>	1D03 Evaluation of up-conversion based on triplet-triplet annihilation in dyes containing polymeric micelles (Shizuoka Univ.) ○KAWAI, Hideki · HARADA, Shinji	9 : 40
	1C04 Development of magnetic beads for the fluorescent detection of living substances (AIST) ○SUZUKI, Yoshio · KUROSAWA, Shigeru	1D04 Determination of triplet formation and triplet annihilation efficiencies in DPA:PtOEP thin films (Univ. of Toyama) ○SUGISHITA, Rintaro · NOZAKI, Koichi · IWAMURA, Munetaka	10 : 00
	FUKUHARA, Gaku (Tokyo Inst. Tech.)	KATOH, Ryuzi (Nihon Univ.)	Chair
	1C05 Activation of a Flapping Fluorescent Mechanophore Accompanied by Void Collapse and Energy Transfer in a Crystalline Phase (Kyoto Univ.) ○YAMAKADO, Takuya · OTSUBO, Kazuya · OSUKA, Atsuhiko · SAITO, Shohei	1D05 Dynamics of near-infrared-to-visible triplet-triplet annihilation upconversion in binary solid fabricated by solution casting ( <sup>1</sup> AIST · <sup>2</sup> Iwate Univ. · <sup>3</sup> NAIST) ○ ABULIKEMU, Aizitiai <sup>1</sup> · KUZUHARA, Daiki <sup>2</sup> · YAMADA, Hiroko <sup>3</sup> · KAMADA, Kenji <sup>1</sup>	10 : 20
	1C06 Excitation Wavelength- and Intensity-Dependent Photochromic Reaction of Fast Biphotochromic Molecule (Aoyama Gakuin Univ.) ○YAMAMOTO, Katsuya · MUTOH, Katsuya · ABE, Jiro	1D06 Development and kinetics elucidations of environmentally friendly and low-cost photon upconverters using deep eutectic solvents ( <sup>1</sup> Tokyo Inst. Tech. · <sup>2</sup> Raghuathpur Col.) ○MURAKAMI, Yoichi <sup>1</sup> · DAS, Sudhir Kumar <sup>2</sup> · HIMURO, Yuki <sup>1</sup> · MAEDA, Satoshi <sup>1</sup>	10 : 40
	1C07 Molecular Thermal Strage (MOST) and theraml release with Photochlomic Teralyene ( <sup>1</sup> NAIST · <sup>2</sup> Univ. of Toulouse · <sup>2</sup> ENS-Paris-Saclay · <sup>4</sup> National Taiwan Univ. of Sci.) ○ ASATO, Ryosuke <sup>1,2</sup> · CALPITAN, Jan Patrick <sup>3</sup> · MIZUTSU, Ryo <sup>1</sup> · NANSHIMA, Takuya <sup>1</sup> · JIANG, Jyh-chiang <sup>4</sup> · KAWAI, Tsuyoshi <sup>1</sup>	1D07 Direct observation of excited-state structural dynamics of thermally activated delayed fluorescence molecules using time-resolved vibrational spectroscopy ( <sup>1</sup> Kyushu Univ. · <sup>2</sup> Tokyo Inst. Tech. · <sup>3</sup> JST-ERATO · <sup>4</sup> Kyoto Univ.) ○SAIGO, Masaki <sup>1</sup> · MIYATA, Kiyoshi <sup>1</sup> · TANAKA, Sei-ichi <sup>2</sup> · MUKUTA, Tatsuhiko <sup>2</sup> · NAKANOTANI, Hajime <sup>3</sup> · ADACHI, Chihaya <sup>3</sup> · SATO, Tohru <sup>4</sup> · ONDA, Ken <sup>1</sup>	11 : 00

11 : 20		1B08 Optical manipulation of an exfoliated clay mineral (Yamaguchi Univ.) ○SUZUKI, Yasutaka · HIGASHI, Yuki · KAWAMATA, Jun
11 : 40	Lunch Break 11 : 40~12 : 40	
12 : 40	<p style="text-align: center;"><b>PL01 Plenary Lecture I 12 : 40~13 : 15</b>  <b>The Japanese Photochemistry Association Lectureship Award (2018)</b>  Prof. Yasushi, YOKOYAMA (Yokohama National Univ.)  “The quest for novel and amazing photoswitch systems”</p> <p style="text-align: center;">Chair: TAMIAKI, Hitoshi (Ritsumeikan Univ.)</p> <p style="text-align: center;"><b>【Room A】</b></p>	
Chair		MIURA, Atsushi (Hokkaido Univ.)
13 : 20	<b>13 : 20~17 : 20</b> <b>Symposium II</b> <b>Progress and Prospects of Next Generation Organic Light Emitting Diodes (OLED) Boosted by Thermally Activated Delayed Fluorescence (TADF)</b>  13 : 20~13 : 40 1S06 Thermally activated delayed fluorescence (TADF): history and so many challenging tasks in photochemistry (Univ. Tsukuba, Prof. Emeritus) TOKUMARU, Katsumi  13 : 40~14 : 10 1S07 Toward the realization of highly-efficient deep-blue TADF OLEDs (Kyoto Univ.) KAJI, Hironori	1B09 Laser trapping-controlled crystallization from unsaturated solution ( <sup>1</sup> National Chiao Tung Univ., Taiwan · <sup>2</sup> NAIST) ○SUGIYAMA, Teruki <sup>1,2</sup>
13 : 40		1B10 Micro-patterning of thermoresponsive polymer microgels based on cooperative coupling of a plasmon enhanced optical force and photothermal effects ( <sup>1</sup> Osaka City Univ. · <sup>2</sup> Osaka Univ. · <sup>3</sup> Tokyo Healthcare Univ. · <sup>4</sup> Hokkaido Univ.) ○SHOJI, Tatsuya <sup>1</sup> · DEGUCHI, Mitsuhiko <sup>1</sup> · ASOH, Taka-aki <sup>2</sup> · MATSUMURA, Yuriko <sup>3</sup> · KATO, Ikuya <sup>4</sup> · MURAKOSHI, Kei <sup>4</sup> · TSUBOI, Yasuyuki <sup>1</sup>
14 : 00	14 : 10~14 : 40 1S08 A spectroscopic study of reverse intersystem crossing of highly efficient TADF molecules (AIST) HOSOKAI, Takuya	1B11 Control of photochromic reactions at nanometer scale by using plasmon waveguide of a silver nanowire ( <sup>1</sup> KU Leuven · <sup>2</sup> Hokkaido Univ.) ○TOYOUCHI, Shuichi <sup>1</sup> · UJI-I, Hiroshi <sup>1,2</sup>
Chair	14 : 40~15 : 10 1S09 Understanding of the spin-flip mechanism in charge-transfer type molecules (Kyushu Univ. · <sup>2</sup> JST-ERATO) NAKANOTANI, Hajime <sup>1,2</sup> · NODA, Hiroki <sup>1,2</sup> · ADACHI, Chihaya <sup>1,2</sup>	SASAKI, Keiji (Hokkaido Univ.)
14 : 20	15 : 10~15 : 20 Coffee Break	1B12 One dimensional SERRS hotspots between single silver nanowire dimers ( <sup>1</sup> AIST · <sup>2</sup> JAIST · <sup>3</sup> Kwansei Gakuin Univ. · <sup>4</sup> Univ. Shiga Pref.) ○ITOH, Tamitake <sup>1</sup> · YAMAMOTO, Yuko S. <sup>2</sup> · KITAHAMA, Yasutaka <sup>3</sup> · JEYADEVAN, Balachandran <sup>4</sup>

IC08 Preparation of object transportation system by assembling photoinduced bending crystals of a photochromic diarylethene ( <sup>1</sup> Ryukoku Univ. · <sup>2</sup> JASRI · <sup>3</sup> TUPLS · <sup>4</sup> RIKEN) ○NISHIMURA, Ryo <sup>1</sup> · YASUDA, Nobuhiro <sup>2</sup> · FUJIMOTO, Ayako <sup>1</sup> · YOKOJIMA, Satoshi <sup>3</sup> · NAKAMURA, Shinichiro <sup>4</sup> · UCHIDA, Kingo <sup>1</sup>	1D08 Control of singlet fission in tetracene alkanethiolate monolayer protected gold nanoclusters for utilization of triplet excitons ( <sup>1</sup> Keio Univ. · <sup>2</sup> Tampere Univ. of Tech.) ○SAEGUSA, Toshiyuki <sup>1</sup> · SAKAI, Hayato <sup>1</sup> · TKACHENKO, Nikolai <sup>2</sup> · HASOBE, Taku <sup>1</sup>	11 : 20
Lunch Break 11 : 40~12 : 40		11 : 40
<p style="text-align: center;"><b>PL01 Plenary Lecture I 12 : 40~13 : 15</b>  <b>The Japanese Photochemistry Association Lectureship Award (2018)</b>  Prof. Yasushi, YOKOYAMA (Yokohama National Univ.)  “The quest for novel and amazing photoswitch systems”</p> <p style="text-align: center;">Chair: TAMIAKI, Hitoshi (Ritsumeikan Univ.)</p> <p style="text-align: center;"><b>【Room A】</b></p>		12 : 40
OHKUBO, Kei (Osaka Univ.)	MATSUDA, Kenji (Kyoto Univ.)	Chair
1C09 Photo-driven Heck-Type Reaction Catalyzed by Vitamin B <sub>12</sub> Derivative with photosensitizer ( <sup>1</sup> Kyushu Univ. · <sup>2</sup> Polish Academy of Sci.) ○CHEN, Li <sup>1</sup> · SHIMAKOSHI, Hisashi <sup>1</sup> · GRYKO, Dorota <sup>2</sup> · HISAEDA, Yoshio <sup>1</sup>	1D09 Photochromic hollow crystals showing scattering of crystals and dispersal of included objects mimicking Impatiens ( <sup>1</sup> Ryukoku Univ. · <sup>2</sup> Rikkyo Univ. · <sup>3</sup> Tokyo Inst. Tech. · <sup>4</sup> JASRI · <sup>5</sup> TUPLS · <sup>6</sup> RIKEN) ○UCHIDA, Kingo <sup>1</sup> · HATANNO, Eri <sup>1</sup> · MORIMOTO, Masakazu <sup>2</sup> · NAGAI, Akira <sup>1</sup> · NISHIMURA, Ryo <sup>1</sup> · SEKINE, Akiko <sup>3</sup> · YASUDA, Nobuhiro <sup>4</sup> · YOKOJIMA, Satoshi <sup>5</sup> · NAKAMURA, Shinichiro <sup>6</sup>	13 : 20
1C10 Characterization and reactivity of persistent triplet diphenylcarbenes protected by iodo and trifluoromethyl groups (Mie Univ.) ○HIRAI, Katsuyuki · KAWAMOTO, Yui · TAMURA, Mari · KITAGAWA, Toshikazu	1D10 Photomechanical crystal bending of diarylethenes with polarized ultraviolet light (Osaka City Univ.) ○HIRANO, Akira · KITAGAWA, Daichi · KOBATAKE, Seiya	13 : 40
1C11 Photochemical radical addition of cyclic ethers and acetals to olefins using sunlight and <i>t</i> -Bu <sub>2</sub> O <sub>2</sub> (Nihon Univ.) ○HAYAKAWA, Mamiko · SHIROTA, Hisashi · MASHIMO, Hiroshi · HIRAYAMA, Souta · UCHIDA, Kou · AOYAMA, Tadashi · OUCHI, Akihiko	1D11 Turn-on mode fluorescent diarylethenes: substituent effect on photoresponsive performance (Rikkyo Univ.) ○IWAI, Ryota · MORIMOTO, Masakazu · IRIE, Masahiro	14 : 00
MORI, Tadashi (Osaka Univ.)		Chair
1C12 Supramolecular enantiodifferentiating hetero-photocyclodimerization of 2-anthracenecarboxylate and 2,6-anthracenedicarboxylate mediated by human serum albumin ( <sup>1</sup> Tohoku Univ. · <sup>2</sup> Osaka Univ.) ○NISHIJIMA, Masaki <sup>1</sup> · FUJISHIRO, Yuya <sup>1</sup> · TOYOOKA, SOTA <sup>1</sup> · ARAKI, Yasuyuki <sup>1</sup> · MORI, Tadashi <sup>2</sup> · WADA, Takehiko <sup>1</sup> · INOUE, Yoshihisa <sup>2</sup>	1D12 Importance of Photo-irradiation Conditions on Photomechanical Behavior of Photoresponsive Molecular Crystals (Osaka City Univ.) ○KITAGAWA, Daichi · KOBATAKE, Seiya	14 : 20
	KOBATAKE, Seiya (Osaka City Univ.)	Chair

14 : 40	15 : 20~15 : 50 1S10 Development of efficient host materials for pure blue thermally activated delayed fluorescent materials (Kwansei Gakuin Univ.) HATAKEYAMA, Takuji	1B13 Fluorescence characterization of ZnS-Ag-InS <sub>2</sub> (ZAIS) nanoparticles on the plasmonic chip ( <sup>1</sup> Kwansei Gakuin Univ. · <sup>2</sup> Nagoya Univ.) MINOSHIMA, Wataru <sup>1</sup> · ○TAKIYAMA, Takayuki <sup>2</sup> · KAMEYAMA, Tatsuya <sup>2</sup> · TORIMOTO, Tsukasa <sup>2</sup> · TAWA, Keiko <sup>1</sup>
15 : 00	15 : 50~16 : 20 1S11 Control of Higher Excited States of Anthracene Derivatives; Long-Distanced Exciplex Emission in OLEDs (RIKEN) PU, Yong-Jin	1B14 Protein crystallization induced by surface enhanced plasmon resonance (Gunma Univ.) ○OKUTSU, Tetsuo · OOTSUKA, Remina · YASUE, Taku · ITO, Asuka · HORIUCHI, Hiroaki
15 : 20	16 : 20~16 : 50 1S12 “Organic radical light-emitting diode: another use of the excited triplet species (Osaka Pref. Univ.) IKEDA, Hiroshi	1B15 Understanding the isotopic effect on the electrochemical hydrogen evolution reaction using plasmonic electrode and Surface-enhanced Raman scattering method (Hokkaido Univ.) ○MINAMIMOTO, Hiro · MURAKOSHI, Kei
Chair	16 : 50~17 : 20 1S13 Advanced OLEDs based on engineering of molecular exciton mechanism (Kyushu Univ.) ADACHI, Chihaya	MURAKOSHI, Kei (Hokkaido Univ.)
15 : 40		1B16 Optical trapping of pyrene-labelled polymer chains in water by non-plasmonic NASSCA optical tweezers ( <sup>1</sup> Osaka City Univ. · <sup>2</sup> Swinburne Univ. Tech.) ○USHIRO, Kenta <sup>1</sup> · SHOJI, Tatsuya <sup>1</sup> · ASOH, Taka-aki <sup>1</sup> · JUODKAZIS, Saulius <sup>2</sup> · TSUBOI, Yasuyuki <sup>1</sup>
16 : 00		1B17 Plasmonic optical trapping-induced enantiomeric excess in chiral crystallization of sodium chlorate ( <sup>1</sup> National Chiao Tung Univ., Taiwan · <sup>2</sup> Hokkaido Univ. · <sup>3</sup> Chiba Univ. · <sup>4</sup> Tohoku Univ. · <sup>5</sup> NAIST) ○CHENG, An-chieh <sup>1</sup> · ISHIDA, Shutaro <sup>2</sup> · NIINOMI, Hiromasa <sup>3,4</sup> · OMATSU, Takashige <sup>3</sup> · SASAKI, Keiji <sup>2</sup> · SUGIYAMA, Teruki <sup>1,5</sup>
16 : 20		1B18 Local environment mapping of lipid bilayer membranes using magnetic-field responsive fluorescence probes (Kobe Univ.) ○ SAKURAI, Manabu · KOBORI, Yasuhiro · TACHIKAWA, Takashi
Chair		KOBAYASHI, Yoichi (Ritsumeikan Univ.)
16 : 40		1B19 Studies on chiroptical property of [ <i>n</i> ]helicenes in the photo-excited triplet states by time-resolved circular dichroism measurement ( <sup>1</sup> Tohoku Univ. · <sup>2</sup> Osaka Univ.) ○ KURONUMA, Makoto <sup>1</sup> · ARAKI, Yasuyuki <sup>1</sup> · NISHIJIMA, Masaki <sup>1</sup> · MORI, Tadashi <sup>2</sup> · WADA, Takehiko <sup>1</sup>
17 : 00		1B20 Thermo-sensitive seven-coordinate Tb(III) complexes with ethynyl groups in phosphine oxide ligand ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> Tokyo Univ. of Sci.) ○FERREIRA DA ROSA, Pedro Paulo <sup>1</sup> · KITAGAWA, Yuichi <sup>1</sup> · NAKANISHI, Takayuki <sup>2</sup> · FUSHIMI, Koji <sup>1</sup> · HASEGAWA, Yasuchika <sup>1</sup>

1C13 Suppression of singlet oxygen generation of endogenous photosensitizers (Yokohama National Univ.) ○KIKUCHI, Azusa · SHIMIZU, Ryohei · SHINJO, Chika · YAGI, Mikio	1D13 Bundle Formation of Supramolecular Nanofiber Structure of Diarylethene by Depletion Force and Photoinduced Shrinking of the Fiber (Kyoto Univ.) ○ HIGASHIGUCHI, Kenji · SAKAGUCHI, Akira · MATSUDA, Kenji	14 : 40
1C14 Photochemical uncaging of TEMPO radical from a caged nitroxide having a two-photon responsive chromophore ( <sup>1</sup> Hiroshima Univ. · <sup>2</sup> Niigata Univ.) ○YAMADA, Ayato <sup>1</sup> · FURUKAWA, Ko <sup>2</sup> · ABE, Manabu <sup>1</sup>	<b>1D14</b> Development of advanced photofunctional molecular crystals based on crystal-engineering strategy (Rikkyo Univ.) MORIMOTO, Masakazu <b>The JPA Prize for Young Scientist (2017)</b>	15 : 00
1C15 Photochemical aerobic oxygenation of methane with chlorine dioxide (Osaka Univ.) ○ OHKUBO, Kei · ASAHARA, Haruyasu · INOUE, Tsuyoshi	1D15 UV-free fluorescence photoswitching of perylenebisimide-diarylethene dyads (Kumamoto Univ.) IKARIKO, Issei · KIM, Sunnam · OGATA, Tomonari · KURIHARA, Seiji · ○FUKAMINATO, Tsuyoshi	15 : 20
UMEYAMA, Tomokazu (Kyoto Univ.)	FUKAMINATO, Tsuyoshi (Kumamoto Univ.)	Chair
1C16 A direct generation of aryl radicals from arylboronic acids by photoinduced electron transfer and its radical addition to alkenes (Univ. of Fukui) ○OSAKA, Kazuyuki · IWATA, Yutaka · YOSHIMI, Yasuharu	1D16 Comparison of photochromic reactions of diarylethene derivatives in nanoparticles and solution ( <sup>1</sup> Ehime Univ. · <sup>2</sup> Osaka City Univ.) ○ISHIBASHI, Yukihide <sup>1</sup> · MASUDA, Keisuke <sup>1</sup> · OGURA, Yumi <sup>1</sup> · KITAGAWA, Daichi <sup>2</sup> · KOBATAKE, Seiya <sup>2</sup> · ASAHII, Tsuyoshi <sup>2</sup>	15 : 40
1C17 NIR Emission and SOMO-HOMO Converted Electronic Structure of Novel Donor-Acceptor Type Stable Organic Radicals (Univ. of Tokyo) ○ TANI, Yuki · KUSAMOTO, Tetsuro · NISHIHARA, Hiroshi	1D17 Reversible Fluorescence Change of Amorphous Molecular Material-Organic Acid Hybrid Films (Muroran Inst. Tech.) ○ KITAMURA, Yuya · ICHIKAWA, Ryoji · NISHIMURA, Tomohiro · NAKANO, Hideyuki	16 : 00
1C18 Chiral inversion behavior of <i>P</i> -chiral phosphines through the photoexcited state (Hokkaido Univ.) ○ MACHIDA, Takashi · KOKADO, Kenta · SADA, Kazuki	1D18 Photoinduced motion of azobenzene crystals on solid surfaces ( <sup>1</sup> AIST · <sup>2</sup> Univ. Tsukuba) ○NORIKANE, Yasuo <sup>1,2</sup> · HAYASHINO, Masaru <sup>1,2</sup> · OHNUMA, Mio <sup>1</sup> · MIZOKURO, Toshiko <sup>1</sup> · NAKANO, Miki <sup>1</sup> · TAKADA, Naoki <sup>1</sup>	16 : 20
	UENO Kosei (Hokkaido Univ.)	Chair
1C19 Photochemical Formation of Formaldehyde from Organometallic Phthalocyanines in Biological Environment (Univ. of Tokyo) ○SAIBE, Yuki · MURATA, Kei · ISHII, Kazuyuki	1D19 Plasmonic heating-induced fabrication and characterization of nanopores on glass surface: exploratory study (Tokushima Univ.) ○OSAKA, Yuki · SUGANO, Satoshi · HASHIMOTO, Shuichi · HARAGUCHI, Masanobu	16 : 40
YUASA, Junpei (Tokyo Univ. of Sci.)		Chair
1C20 Modulation of Solid-State Luminescence Properties of Aluminum β-Diketiminato Complexes by Optimization of Ligands on the Metal Center (Kyoto Univ.) ○ ITO, Shunichiro · TANAKA, Kazuo · CHUJO, Yoshiki	1D20 Liquid-liquid phase separation encapsulating a single gold nanoparticle induced by plasmonic heating ( <sup>1</sup> Tokushima Univ. · <sup>2</sup> Josai Univ.) ○AIBARA, Issei <sup>1</sup> · IKEDA, Yuya <sup>1</sup> · UWADA, Takayuki <sup>2</sup> · FURUBE, Akihiro <sup>1</sup> · HASHIMOTO, Shuichi <sup>1</sup>	17 : 00

17 : 20		1B21 Synthesis of nitrogen/fluorine codoped rutile TiO <sub>2</sub> photocatalyst and its application for Z-scheme water splitting ( <sup>1</sup> Tokyo Inst. Tech. · <sup>2</sup> Toyota Technological Inst. · <sup>3</sup> NIMS · <sup>4</sup> Tokyo Univ. of Sci. · <sup>5</sup> KEK) ○ MIYOSHI, Akinobu <sup>1</sup> · VEQUIZO, Junie <sup>2</sup> · NISHIOKA, Shunta <sup>1</sup> · YAMASHITA, Shunsuke <sup>3</sup> · IWASE, Akihiko <sup>4</sup> · NOZAWA, Shunsuke <sup>5</sup> · YAMAKATA, Akira <sup>2</sup> · KIMOTO, Koji <sup>3</sup> · KUDO, Akihiko <sup>4</sup> · MAEDA, Kazuhiko <sup>1</sup>
17 : 40		1B22 Stepwise and simultaneous two-Photon cycloreversion reaction dynamics of a dithazolylarylene derivative: Effects of structural relaxation and symmetry ( <sup>1</sup> Osaka Univ. · <sup>2</sup> NAIST) ○ NAGASAKA, Tatsuhiko <sup>1</sup> · SOTOME, Hikaru <sup>1</sup> · KAWAI, Tsuyoshi <sup>2</sup> · MIYASAKA, Hiroshi <sup>1</sup>
18 : 00	Poster Presentation (1P001-1P103) 100min Odd number (18 : 10~19 : 00) Even number (19 : 00~19 : 50)	

	1C21 Innovative approach for highly efficient organic photoreactions in flow microreactors by using unreactive substances ( <sup>1</sup> NAIST · <sup>2</sup> WINTeC) ○ NAKANO, Momoe <sup>1</sup> · NOGUCHI, Jiro <sup>1</sup> · NISHIYAMA, Yasuhiro <sup>2</sup> · MORIMOTO, Tsumoru <sup>1</sup> · KAKIUCHI, Kiyomi <sup>1</sup>	1D21 Au-coated silver nanoparticles with flower-like morphology for SERS detection in a live-cell or a cell membrane ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> KU Leuven) ○ WATANABE, Kiri <sup>1</sup> · RICCI, Monica <sup>2</sup> · FORTUNI, Beatrice <sup>2</sup> · TOYOUCHI, Shuichi <sup>2</sup> · ROCHA, Susana <sup>2</sup> · HIRAI, Kenji <sup>1</sup> · INOSE, Tomoko <sup>1</sup> · UJI-I, Hiroshi <sup>1,2</sup>	17 : 20
	1C22 Development of ratiometric oxygen probes with cell-penetrating peptide and measurement of intracellular oxygen levels (Gunma Univ.) ○ YASUKAGAWA, Mami · YOSHIHARA, Toshitada · TOBITA, Seiji	1D22 Plasmonic coloring based on light scattering by Au nanoparticles and thin film interference (Univ. of Tokyo) ○ NISHI, Hiroyasu · TATSUMA, Tetsu	17 : 40
	Poster Presentation (1P001-1P103) 100min Odd number (18 : 10~19 : 00) Even number (19 : 00~19 : 50)		18 : 00

September 6 (Thu)		
	Room A	Room B
8 : 30	Registration 8 : 30~	
Chair	SHIGETO, Shinsuke (Kwansei Gakuin Univ.)	ITO, Fuyuki (Shinshu Univ.)
9 : 00	2A01 Stepwise Two-Photon Induced Electron Transfer from Higher Excited States of Porphyrin-Coordinated CdS/ZnS Core/Shell Nanocrystals ( <sup>1</sup> Ritsumeikan Univ. · <sup>2</sup> Osaka Univ. · <sup>3</sup> Kwansei Gakuin Univ.) ○KOBAYASHI, Yoichi <sup>1</sup> · KOGA, Masafumi <sup>2</sup> · SOTOME, Hikaru <sup>2</sup> · MIYASAKA, Hiroshi <sup>2</sup> · TAMAI, Naoto <sup>3</sup>	2B01 Green excimer fluorescence of perylene in molten state (Nihon Univ.) ○SATO, Kenta · KATOH, Ryuzi
9 : 20	2A02 Near Infrared Light Induced Plasmonic Hot Hole Transfer At a Nano-Heterointerface (Kyoto Univ.) ○SAKAMOTO, Masanori · LIAN, Zichao · TERANISHI, Toshiharu	2B02 Fluorescence properties of fluorescein-dispersing silica-titania composite gel films (Shinshu Univ.) ○NISHIKIORI, Hiromasa · SHINZATO, Mitsuya
9 : 40	2A03 Integral Method Analysis of Electroabsorption Spectra of MAPbI <sub>3</sub> Perovskite (National Chiao Tung Univ., Taiwan) ○HAMADA, Morihiko · JOKAR, Efat · KAMLESH, Awasthi · DIAU, Eric Wei-Guang · OHTA, Nobuhiro	2B03 A highly fluorescent D-π-D dye that exhibits significantly different excited-state behaviors under interface and bulk environments ( <sup>1</sup> Rikkyo Univ. · <sup>2</sup> Shizuoka Univ.) ○MITSUI, Masaaki <sup>1</sup> · TAKAKURA, Yasushi <sup>1</sup> · NIIHORI, Yoshiki <sup>1</sup> · NAKAMOTO, Masashi <sup>2</sup> · FUJIWARA, Yutaka <sup>2</sup> · KOBAYASHI, Kenji <sup>2</sup>
Chair		ISHIKAWA, Mitsuru (Josai Univ.)
10 : 00	2A04 Photoluminescence modulation and electric field effect on single perovskite halide nanocrystals in inert and conductive media ( <sup>1</sup> Tokyo Inst. Tech. · <sup>2</sup> The Univ. of Electro-Commun. · <sup>3</sup> Hokkaido Univ.) ○SHARMA, Dharmendar Kumar <sup>1</sup> · HIRATA, Shuzo <sup>2</sup> · BIJU, Vasudevanpillai <sup>3</sup> · VACHA, Martin <sup>1</sup>	2B04 Fluorescence changes and phase transformation during the nano particle aggregation of dibenzoylmethane boron difluoride complexes ( <sup>1</sup> Shinshu Univ. · <sup>2</sup> Osaka Univ.) ○ITO, Fuyuki <sup>1</sup> · NAGANAWA, Ryuji <sup>1</sup> · TAKIMOTO, Maori <sup>1</sup> · SAIGUSA, Mai <sup>1</sup> · TOHNAI, Norimitsu <sup>2</sup>
10 : 20	2A05 Charge carrier dynamics in mixed-halide perovskites (Kobe Univ.) ○TACHIKAWA, Takashi · KARIMATA, Izuru · OHTA, Kaoru · KOBORI, Yasuhiro	2B05 Excited state of thionucleoside and decomposition of natural guanosine ( <sup>1</sup> Aoyama Gakuin Univ. · <sup>2</sup> J. F. Oberlin Univ.) MIYATA, Shoma <sup>1</sup> · TANABE, Shunsuke <sup>1</sup> · ISOZAKI, Tasuku <sup>2</sup> · ○SUZUKI, Tadashi <sup>1</sup>

September 6 (Thu)		
Room C	Room D	
Registration 8 : 30~		8 : 30
NAKAMURA, Kazuki (Chiba Univ.)	OHTANI, Bunsho (Hokkaido Univ.)	Chair
2C01 Luminescence of manganese(II) complexes and time-resolved transient absorption spectroscopic studies based on the RIPT method ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Nihon Univ. · <sup>3</sup> Unisoku) ○SUENOBU, Tomoyoshi <sup>1</sup> · KITAGAWA, Kota <sup>1</sup> · NAKAYAMA, Ken-ichi <sup>1</sup> · KATOH, Ryuzi <sup>2</sup> · SUZUKI, Toshiaki <sup>3</sup> · NAKAGAWA, Tatsuo <sup>3</sup>	2D01 A two phase reaction system for photocatalytic hydrogen peroxide production utilizing an amine-functionalized metal-organic framework ( <sup>1</sup> Osaka Univ. · <sup>2</sup> ESICB · <sup>3</sup> JST-PRESTO) ○ISAKA, Yusuke <sup>1</sup> · KAWASE, Yudai <sup>1</sup> · KONDO, Yoshifumi <sup>1</sup> · KUWAHARA, Yasutaka <sup>1,2</sup> · MORI, Kohsuke <sup>1,2,3</sup> · YAMASHITA, Hiromi <sup>1,2</sup>	9 : 00
2C02 Reversible single-crystal-to-single-crystal phase transitions and luminescence color switching induced by mechanical force and solvent vapor (Hokkaido Univ.) ○SUMITANI, Toshiaki · JIN, Mingoo · SEKI, Tomihiro · ITO, Hajime	2D02 Photosensitized H <sub>2</sub> evolution from water using dye-encapsulated carbon nanotubes ( <sup>1</sup> Okayama Univ. · <sup>2</sup> Yamaguchi Univ.) ○IZAWA, Takumi <sup>1</sup> · MIYAKE, Hideaki <sup>2</sup> · TAJIMA, Tomoyuki <sup>1</sup> · SAGAWA, Ryohei <sup>1</sup> · TAKAGUCHI, Yutaka <sup>1</sup>	9 : 20
2C03 Photosensitized luminescence of europium(III) complexes with phosphine oxide ligands containing polycyclic aromatic hydrocarbons ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> Tokyo Univ. of Sci.) ○KITAGAWA, Yuichi <sup>1</sup> · SUZUE, Fumiya <sup>1</sup> · NAKANISHI, Takayuki <sup>2</sup> · FUSHIMI, Koji <sup>1</sup> · HASEGAWA, Yasuchika <sup>1</sup>	2D03 Photocatalytic activity and surface carrier dynamics of rutile TiO <sub>2</sub> powders for water oxidation ( <sup>1</sup> Kao Corp. · <sup>2</sup> Kwansei Gakuin Univ. · <sup>3</sup> Osaka City Univ.) ○MIYASATO, Ryo <sup>1,2</sup> · FUJIWARA, Masazumi <sup>3</sup> · SATO, Haruyuki <sup>1</sup> · YANO, Toshihiro <sup>1</sup> · HASHIMOTO, Hideki <sup>2</sup>	9 : 40
NAKASHIMA, Takuya (NAIST)	YAMASHITA, Hiromi (Osaka Univ.)	Chair
2C04 Alkyl chain elongation and acyl group effects in a series of Eu complexes with π-electronic skeletons and their enhanced luminescence in solutions ( <sup>1</sup> Aoyama Gakuin Univ. · <sup>2</sup> NAIST · <sup>3</sup> Kyushu Univ.) ○OGATA, Shuhei <sup>1</sup> · ISHII, Ayumi <sup>1</sup> · HATANAKA, Miho <sup>2</sup> · GOTO, KENTA <sup>3</sup> · HASEGAWA, Miki <sup>1</sup>	2D04 A panchromatic photosensitizer based on dibenzobodipy-phenothiazine conjugate for application in dye-sensitized solar cell and photocatalytic hydrogen production ( <sup>1</sup> Tokyo Metropolitan Univ. · <sup>2</sup> Ege Univ.) ○SATO, Haruka <sup>1</sup> · SURYANI, Okta <sup>1</sup> · HIGASHINO, Yuta <sup>1</sup> · UENO, Yoshihide <sup>1</sup> · ERTEN-ELA, Sule <sup>2</sup> · KUBO, Yuji <sup>1</sup>	10 : 00
2C05 Photoinduced proton transfer in Fe(II) complexes exhibiting spin crossover coupled with proton transfer (Kyushu Univ.) ○NAKANISHI, Takumi · SATO, Osamu	2D05 How one-photon can induce water splitting through two-electron processes? : Thermodynamics of water splitting catalyzed by aluminum porphyrins (Tokyo Metropolitan Univ.) ○KUTTASSERY, Fazalurahman · MATHEW, Siby · TACHIBANA, Hiroshi · INOUE, Haruo	10 : 20

11 : 00	<p><b>AL01 Award Lecture I 11 : 00~11 : 25</b>  <b>Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikohsha</b>  Dr. LIN, Jim Jr-Min (Academia Sinica, Taiwan)  “Kinetics of Criegee intermediates and the role of water probed by UV absorption in real time”</p> <p>Chair: TAMAI, Naoto (Kwansei Gakuin Univ.)</p> <p><b>AL02 Award Lecture II 11 : 25~12 : 00</b>  <b>Elsevier Lectureship Award</b>  Prof. DOUHAL, Abderrazzak (Universidad de Castilla-La Mancha (UCLM), Spain)  “Zr-Based MOFs Photochemistry and its Application in Lighting and Photosensing”  GUTIÉRREZ, Mario • COHEN, Boiko • ○DOUHAL, Abderrazzak</p> <p>Chair: MIYASAKA, Hiroshi (Osaka Univ.)</p> <p style="text-align: center;">【Room S】</p>
12 : 00	<p style="text-align: center;">Lunch Break 12 : 00~13 : 00</p>
13 : 00	<p style="text-align: center;">Poster Presentation (2P001-2P102) 100min  Odd number (13 : 00~13 : 50)  Even number (13 : 50~14 : 40)</p>
14 : 50	<p style="text-align: center;"><b>BREAK</b>  <b>AL03 Award Lecture III has been cancelled</b></p>
15 : 25	<p><b>AL04 Award Lecture IV 15 : 25~15 : 50</b>  <b>The Japanese Photochemistry Association Award (2017)</b>  TSUBOI, Yasuyuki (Osaka City Univ.)  “Optical Manipulation of Molecular Nanomaterials toward Photochemistry”</p> <p>Chair: MISAWA, Hiroaki (Hokkaido Univ.)</p> <p><b>AL05 Award Lecture V 15 : 50~16 : 15</b>  <b>The Japanese Photochemistry Association Award (2017)</b>  MORI, Tadashi (Osaka Univ.)  “Exploitation of chiral photochemistry utilizing charge-transfer interaction”</p> <p>Chair: IKEDA, Hiroshi (Osaka Pref. Univ.)</p> <p style="text-align: center;">【Room S】</p>
16 : 30	<p style="text-align: center;">JPA General Meeting &amp; Award Ceremony  16 : 30~18 : 10</p> <p style="text-align: center;">【Room S】</p>
18 : 30	<p style="text-align: center;">Banquet  18 : 30~20 : 30</p>

11 : 00	<p><b>AL01 Award Lecture I 11 : 00~11 : 25</b>  <b>Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikohsha</b>  Dr. LIN, Jim Jr-Min (Academia Sinica, Taiwan)  “Kinetics of Criegee intermediates and the role of water probed by UV absorption in real time”</p> <p>Chair: TAMAI, Naoto (Kwansei Gakuin Univ.)</p> <p><b>AL02 Award Lecture II 11 : 25~12 : 00</b>  <b>Elsevier Lectureship Award</b>  Prof. DOUHAL, Abderrazzak (Universidad de Castilla-La Mancha (UCLM), Spain)  “Zr-Based MOFs Photochemistry and its Application in Lighting and Photosensing”  GUTIÉRREZ, Mario • COHEN, Boiko • ○DOUHAL, Abderrazzak</p> <p>Chair: MIYASAKA, Hiroshi (Osaka Univ.)</p> <p style="text-align: center;">【Room S】</p>	11 : 00
12 : 00	<p style="text-align: center;">Lunch Break 12 : 00~13 : 00</p>	12 : 00
13 : 00	<p style="text-align: center;">Poster Presentation (2P001-2P102) 100min  Odd number (13 : 00~13 : 50)  Even number (13 : 50~14 : 40)</p>	13 : 00
14 : 50	<p style="text-align: center;"><b>BREAK</b>  <b>AL03 Award Lecture III has been cancelled</b></p>	14 : 50
15 : 25	<p><b>AL04 Award Lecture IV 15 : 25~15 : 50</b>  <b>The Japanese Photochemistry Association Award (2017)</b>  TSUBOI, Yasuyuki (Osaka City Univ.)  “Optical Manipulation of Molecular Nanomaterials toward Photochemistry”</p> <p>Chair: MISAWA, Hiroaki (Hokkaido Univ.)</p> <p><b>AL05 Award Lecture V 15 : 50~16 : 15</b>  <b>The Japanese Photochemistry Association Award (2017)</b>  MORI, Tadashi (Osaka Univ.)  “Exploitation of chiral photochemistry utilizing charge-transfer interaction”</p> <p>Chair: IKEDA, Hiroshi (Osaka Pref. Univ.)</p> <p style="text-align: center;">【Room S】</p>	15 : 25
16 : 30	<p style="text-align: center;">JPA General Meeting &amp; Award Ceremony  16 : 30~18 : 10</p> <p style="text-align: center;">【Room S】</p>	16 : 30
18 : 30	<p style="text-align: center;">Banquet  18 : 30~20 : 30</p>	18 : 30

September 7 (Fri)		
	Room A	Room B
8 : 30	Registration 8 : 30~	
Chair	KOBORI, Yasuhiro (Kobe Univ.)	KAWAI, Hideki (Shizuoka Univ.)
9 : 00	3A01 Time-resolved EPR spectra and zero-field splittings of Cu(I) phenanthroline complexes ( <sup>1</sup> Gunma Univ. · <sup>2</sup> Tokyo Metropolitan Univ. · <sup>3</sup> Tokyo Inst. Tech. · <sup>4</sup> NIMS · <sup>5</sup> Seikei Univ.) ○ ASANO, Motoko <sup>1</sup> · HASHIMOTO, Syo <sup>1</sup> · YASUDA, Yoshifumi <sup>1</sup> · KODAMA, Takeshi <sup>2</sup> · TAKEDA, Hiroyuki <sup>3</sup> · ISHITANI, Osamu <sup>3</sup> · NISHIKAWA, Michihiro <sup>4</sup> · TSUBOMURA, Taro <sup>5</sup>	3B01 Chain-length effects on the emission processes of dipyrindylpolyenes: structural relaxation and charge transfer in the excited state (AIST) ○ SONODA, Yoriko · SHIMOI, Yukihiko
9 : 20	3A02 Magnetosensitive photochemistry of flavins in isotropic and constrained media studied by microspectroscopy (Univ. of Tokyo) ANTILL, Lewis M. · ○ WOODWARD, Jonathan R.	3B02 Significant structural relaxations of excited [n]cycloparaphenylene dications ( <i>n</i> = 5 - 9) ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Kyoto Univ.) ○ FUJITSUKA, Mamoru <sup>1</sup> · KAYAHARA, Eiichi <sup>2</sup> · YAMAGO, Shigeru <sup>2</sup> · MAJIMA, Tetsuro <sup>1</sup>
9 : 40	3A03 Generation of short wavelength light under long wavelength light from Ru(dmb) <sub>3</sub> and diphenylanthracene intercalated in water dispersed montmorillonite ( <sup>1</sup> Univ. of Tokyo · <sup>2</sup> Tokyo Inst. Tech.) ○ KISHIMOTO, Fuminao <sup>1</sup> · WAKIHARA, Toru <sup>1</sup> · WADA, Yuji <sup>2</sup> · OKUBO, Tatsuya <sup>1</sup>	3B03 Composition-dependent Photoluminescence Properties of Ag-In-Ga-Se Solid Solution Quantum Dots ( <sup>1</sup> Nagoya Univ. · <sup>2</sup> Osaka Univ.) ○ YAMAUCHI, Hiroki <sup>1</sup> · KAMEYAMA, Tatsuya <sup>1</sup> · UEMATSU, Taro <sup>2</sup> · KUWABATA, Susumu <sup>2</sup> · TORIMOTO, Tsukasa <sup>1</sup>
10 : 00	3A04 Solvent viscosity dependence of triplet fusion of diphenylanthracene ( <sup>1</sup> Niigata Univ. · <sup>2</sup> Shizuoka Inst. of Sci. Tech.) ITAGOSHI, Chika <sup>1</sup> · MIYAZAKI, Syunya <sup>1</sup> · MIURA, Tomoaki <sup>1</sup> · KASUYA, Sota <sup>1</sup> · WAKIKAWA, Yusuke <sup>2</sup> · ○ IKOMA, Tadaaki <sup>1</sup>	3B04 Effect of dynamic equilibrium of binding-dissociation of ligands on photoexcited state of Ag <sub>29</sub> cluster (Rikkyo Univ.) ○ NIIHORI, Yoshiki · TAKAHASHI, Naoya · SUYAMA, Megumi · MITSUI, Masaaki
Chair	VACHA, Martin (Tokyo Inst. Tech.)	YOSHIZAWA, Masayuki (Tohoku Univ.)
10 : 20	<b>3A05</b> Intrinsic analysis of radiative process, intramolecular vibration-based room-temperature nonradiative process, and quenching process from triplet state for heavy atom-free conjugated structures (Univ. of Electro-Commun.) HIRATA, Shuzo <b>The JPA Prize for Young Scientist (2017)</b>	3B05 Probing polymer dynamics near glass transition temperatures by single-molecule fluorescence imaging (Josai Univ.) ○ ISHIKAWA, Mitsuru · TAKAHASHI, Taihei · UWADA, Takayuki
Chair	MURAKAMI, Yoichi (Tokyo Inst. Tech.)	
10 : 40	3A06 Dynamics of triplet energy transfer in solution and in solid by using upconverted emission ( <sup>1</sup> AIST · <sup>2</sup> Kwansei Gakuin Univ.) HAM, Heesoung <sup>1</sup> · NISHII, Ritsuki <sup>1</sup> · ABULILEMU, Aizitiaili <sup>2</sup> · MIZOKURO, Toshiko <sup>1</sup> · ○ KAMADA, Kenji <sup>1,2</sup>	3B06 Nanoparticle formation by laser ablation of perylene microcrystals in aqueous solutions of <i>n</i> -decyl sodium sulfate at various concentrations of the surfactant (Univ. of the Ryukyus) KIYOSAWA, Kenzo · ○ TAMAKI, Yoshiaki

September 7 (Fri)			
	Room C	Room D	
8 : 30	Registration 8 : 30~		8 : 30
Chair	HORIUCHI, Hiroaki (Gunma Univ.)	NISHI, Hiroyasu (Univ. of Tokyo)	Chair
9 : 00	3C01 Development of intramolecular photocycloaddition reactions of alkenes to 1,8a-position of naphthalene ring ( <sup>1</sup> Kanazawa Univ. · <sup>2</sup> Osaka Pref. Univ. · <sup>3</sup> Nara Inst. Sci. Tech.) ○ KUBO, Yuta <sup>1</sup> · NAKASHIMA, Ryota <sup>2</sup> · MIZUNO, Kazuhiko <sup>3</sup> · FURUYAMA, Taniyuki <sup>1</sup> · SEGI, Masahito <sup>1</sup> · MAEDA, Hajime <sup>1</sup>	3D01 Formation of OH radical from the plasmonic Au-TiO <sub>2</sub> photocatalyst were found under the existence of H <sub>2</sub> O <sub>2</sub> (NIT, Nagaoka Col.) HAYASHI, Tomoya · ○ MURAKAMI, Yoshinori	9 : 00
9 : 20	3C02 Elucidation of the photostability of the phosphole oxide-based fluorophores ( <sup>1</sup> Nagoya Univ. · <sup>2</sup> Osaka Univ.) ○ FUKAZAWA, Aiko <sup>1</sup> · KIMURA, Nao <sup>1</sup> · WANG, Chenguang <sup>1</sup> · SOTOME, Hikaru <sup>2</sup> · MIYASAKA, Hiroshi <sup>2</sup> · INAI, Naoto <sup>1</sup> · YOKOGAWA, Daisuke <sup>1</sup> · YAMAGUCHI, Shigehiro <sup>1</sup>	3D02 Partial oxidation of benzyl alcohol by photocatalytic reactor with TiO <sub>2</sub> photocatalyst deposited on microbeads packed in an annular microchannel reactor (Shinshu Univ.) ○ USAMI, Hisanao · YOSHIDA, Fumiya	9 : 20
9 : 40	3C03 Photo-emission tuning and the Influence of heavy atom effects using multicomponent crystals (Kyushu Univ.) ○ ONO, Toshikazu · TSUKIYAMA, Yoshifumi · YAMANAKA, Yuri · HISAEDA, Yoshio	3D03 discussion on reaction mechanisms of photocatalytic CO <sub>2</sub> reduction by ruthenium complexes (Kitasato Univ.) ○ ISHIDA, Hitoshi · OHTSUKA, Atsushi · KOJIMA, Chiaki · KITAMURA, Kyohei · ITABASHI, Jun	9 : 40
10 : 00	3C04 Solid-state fluorescence behavior induced by disproportionation reaction of 6,13-dihydropentacene derivative (Okayama Univ.) ○ TAJIMA, Tomoyuki · SANDA, Rai · NISHIHARA, Katsuya · SHIRAI, Hitoshi · KUBO, Kentaro · TAKAGUCHI, Yutaka	3D04 Facet effects of Ag <sub>3</sub> PO <sub>4</sub> on photocatalytic activities and charge carrier dynamics (Osaka Univ.) ○ KIM, Sooyeon · WANG, Yue · FUJITSUKA, Mamoru · MAJIMA, Tetsuro	10 : 00
Chair	FUKAZAWA, Aiko (Nagoya Univ.)	ISHIDA, Hitoshi (Kitasato Univ.)	Chair
10 : 20	3C05 Photophysical features of naphthols having esters, formyl and acetyl groups and the difluoroboronated complex in solution and the solid state ( <sup>1</sup> Gunma Univ. · <sup>2</sup> Okayama Univ. · <sup>3</sup> Kyusyu Univ.) YAMAJI, Minoru <sup>1</sup> · OKAMOT, Hideki <sup>2</sup> · GOTO, Kenta <sup>3</sup> · TANI, Fumito <sup>3</sup>	3D05 Effect of molecular orientation of a Ir(III) molecular photosensitizer immobilized on a Pt-TiO <sub>2</sub> nanoparticle catalyst (Hokkaido Univ.) ○ KOBAYASHI, Atsushi · WATANABE, Shuhei · YOSHIDA, Masaki · KATO, Masako	10 : 20
10 : 40	3C06 Improvement of ON/OFF switching properties of pH-activatable porphyrin derivatives ( <sup>1</sup> Gunma Univ. · <sup>2</sup> Shizuoka Univ.) ○ HORIUCHI, Hiroaki <sup>1</sup> · ISOGAI, Masataka <sup>1</sup> · TAJIMA, Kazuya <sup>1</sup> · HIRAKAWA, Kazutaka <sup>2</sup> · OKUTSU, Tetsuo <sup>1</sup>	3D06 Visible-light-driven CO <sub>2</sub> reduction using a hybrid photoelectrochemical cell consisting of molecular and semiconductor photocatalysts ( <sup>1</sup> Tokyo Inst. Tech. · <sup>2</sup> Kyoto Univ.) ○ KUMAGAI, Hiromu <sup>1</sup> · HIGASHI, Masanobu <sup>2</sup> · ABE, Ryu <sup>2</sup> · ISHITANI, Osamu <sup>1</sup>	10 : 40

11 : 00	3A07 Intramolecular singlet fission in pentacene and tetracene oligomers (Kwansei Gakuin Univ.) ○WANG, Li · JUNG, Sunna · HAMURA, Toshiyuki · TAMAI, Naoto	3B07 Vibrational dynamics under selective excitation studied by spectrally shaped UV sub-10-fs pulse laser (Kanagawa Univ.) ○HASHIMOTO, Sena · YABUSHITA, Atsushi · IWAKURA, Izumi
Chair		TAKAGI, Shinsuke (Tokyo Metropolitan Univ.)
11 : 20	3A08 Mechanism of generation of singlet-fission-born quintet state studied by TREPR ( <sup>1</sup> Kobe Univ. · <sup>2</sup> Osaka Pref. Univ.) ○NAGASHIMA, Hiroki <sup>1</sup> · KAWAOKA, Shuhei <sup>2</sup> · AKIMOTO, Seiji <sup>1</sup> · TACHIKAWA, Takashi <sup>1</sup> · MATSUI, Yasunori <sup>2</sup> · IKEDA, Hiroshi <sup>2</sup> · KOBORI, Yasuhiro <sup>1</sup>	<b>3B08</b> Development of the Optical Waveguide Spectroscopy Instruments and its Applications (System Instruments Co., Ltd.) TAKAHASHI, Hiromi <b>The JPA Prize for Technical Development (2017)</b>
11 : 40		
11 : 45		
11 : 50	<b>Luncheon Symposium on Gender Equality and Young Researchers</b> 11 : 50~12 : 50 【Room B】	
13 : 00	<b>PL02 Plenary Lecture II 13 : 00~13 : 35</b> <b>The Japanese Photochemistry Association Lectureship Award (2018)</b> Prof. DOMEN, Kazunari (The Univ. of Tokyo) “Photocatalytic water splitting for solar hydrogen production”  Chair: HASHIMOTO, Hideki (Kwansei Gakuin Univ.)  【Room A】	
Chair	KOSUMI, Daisuke (Kumamoto Univ. )	NAGASAWA, Yutaka (Ritsumeikan Univ.)
13 : 40	3A09 Spin exchange model for singlet fission and triplet energy transfer (Saitama Univ.) ○YAGO, Tomoaki	3B09 Ultrafast charge separation in nonfullerene polymer solar cells ( <sup>1</sup> Univ. of Cambridge · <sup>2</sup> GATech) ○TAMAI, Yasunari <sup>1</sup> · MENKE, S. Matthew <sup>1</sup> · FAN, Yeli <sup>2</sup> · KIM, Vincent O. <sup>1</sup> · ZIABREV, Kostiantyn <sup>2</sup> · RAO, Akshay <sup>1</sup> · BARLOW, Stephen <sup>2</sup> · MARDER, Seth R. <sup>2</sup> · FRIEND, Richard H. <sup>1</sup>
14 : 00	3A10 Intramolecular Singlet Fission Behavior of Adamantane-linked Tetracene Dyad ( <sup>1</sup> Osaka Pref. Univ. · <sup>2</sup> Kobe Univ. · <sup>3</sup> Unisoku) ○ MATSUI, Yasunori <sup>1</sup> · KAWAOKA, Shuhei <sup>1</sup> · NAGASHIMA, Hiroki <sup>2</sup> · NAKAGAWA, Tatsuo <sup>3</sup> · OKAMURA, Naoki <sup>1</sup> · OHTA, Eisuke <sup>1</sup> · YAGI, Shigeyuki <sup>1</sup> · KOBORI, Yasuhiro <sup>2</sup> · IKEDA, Hiroshi <sup>1</sup>	3B10 Formation and photophysical properties of transition metal dichalcogenide-fullerene composites (Kyoto Univ.) ○ UMEYAMA, Tomokazu · BAEK, Jinseok · IMAHORI, Hiroshi
14 : 20	3A11 Development of solid state- and efficient photoenergy conversion device employing spin inversion transition (Univ. of Tokyo) ○KINOSHITA, Takumi · SEGAWA, Hiroshi	3B11 Exciton migration dynamics between methylacridone moieties in the framework of periodic mesoporous organosilica powder (Toyota Central R&D Labs., Inc.) ○YAMANAKA, Ken-ichi · GOTO, Yasutomo · MAEGAWA, Yoshifumi · INAGAKI, Shinji
14 : 50	Poster Presentation (3P001-3P101) 100min Odd number (14 : 50~15 : 40) Even number (15 : 40~16 : 30)	

3C07 Photochemical Reactions and Morphology Changes of Self-Assembly of Bis-Thymine Derivatives ( <sup>1</sup> Waseda Univ. · <sup>2</sup> Monash Univ.) ○ INADA, Moeka <sup>1</sup> · UDAGAWA, Akihiro <sup>1</sup> · SAITO, Kei <sup>2</sup> · KOSHIMA, Hideko <sup>1</sup> · ASAHI, Toru <sup>1</sup>	3D07 Multielectron transfer in photocatalytic oxygen reduction on platinum-loaded tungsten(VI) oxide proved by light-intensity dependence analysis (Hokkaido Univ.) ○ YAMADA, Chiharu · TAKASHIMA, Mai · OHTANI, Bunsho	11 : 00
3C08 Synthesis, and optical and electrochemical properties of fused-benzo[ <i>c</i> ]thiophene delivative as a new $\pi$ -building block (Hiroshima Univ.) ○ENOKI, Toshiaki · OOYAMA, Yousuke	3D08 Computational studies on effective CO <sub>2</sub> photoreduction on colloidal ZnS ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Ryukyu Univ.) ○ YANAGIDA, Shozo <sup>1</sup> · YANAGISAWA, Susumu <sup>2</sup>	11 : 20
		11 : 40
		11 : 45
	<b>Luncheon Symposium on Gender Equality and Young Researchers</b> 11 : 50~12 : 50 【Room B】	
	<b>PL02 Plenary Lecture II 13 : 00~13 : 35</b> <b>The Japanese Photochemistry Association Lectureship Award (2018)</b> Prof. Kazunari Domen (The Univ. of Tokyo) “Photocatalytic water splitting for solar hydrogen production”  Chair: HASHIMOTO, Hideki (Kwansei Gakuin Univ.)  【Room A】	
	HABUCHI, Satoshi (KAUST)	YANAGIDA, Shozo (Osaka Univ.)
3C09 Evaporation-triggered dynamic chiral transformation of polythiophene aggregates ( <sup>1</sup> Univ. of Tokyo, <sup>2</sup> KU Leuven) ○ HATTORI, Shingo <sup>1</sup> · VANDENDRIESSCHE, Stefaan <sup>2</sup> · HIRANO, Toshiyuki <sup>1</sup> · SATO, Fumitoshi <sup>1</sup> · KOECKELBERGHS, Guy <sup>2</sup> · VERBIEST, Thierry <sup>2</sup> · ISHII, Kazuyuki <sup>1</sup>	3D09 Facet dependence of metal nanoparticles deposited on decahedral-shaped anatase titania photocatalyst particles ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> Muroran Inst. Tech.) ○KOBAYASHI, Kenta <sup>1</sup> · TAKASHIMA, Mai <sup>1</sup> · TAKASE, Mai <sup>2</sup> · OHTANI, Bunsho <sup>1</sup>	13 : 40
3C10 Single-molecule fluorescence behavior of poly( <i>p</i> -phenylene ethynylene) derivative (Kyoto Inst. Tech.) ○ MACHIDA, Shinjiro · MIWA, Shunsuke · KURIBAYASHI, Maki · IKEDA, Noriaki	3D10 Dynamics of photocarriers in reduced TiO <sub>2</sub> studied by transient visible to mid-IR absorption spectroscopy ( <sup>1</sup> Toyota Technological Inst. · <sup>2</sup> Univ. of Kitakyushu) ○VEQUIZO, Junie Jhon M. <sup>1</sup> · AMANO, Fumiaki <sup>2</sup> · YAMAKATA, Akira <sup>1</sup>	14 : 00
3C11 Two-dimensional exciton diffusion dynamics in crystalline conjugated polymer thin films (Kyoto Univ.) ○ MURATA, Yasuhiro · TAMAI, Yasunari · OHKITA, Hideo	3D11 Detection of dark matter - new trends of silver halide photographic systems ( <sup>1</sup> Soc. Photogr. Imaging Jpn. · <sup>2</sup> Nagoya Univ. · <sup>3</sup> Tokyo Polytech. Univ.) ○TANI, Tadaaki <sup>1</sup> · NAKA, Tatsuhiro <sup>2</sup> · UCHIDA, Takayuki <sup>3</sup>	14 : 20
	Poster Presentation (3P001-3P101) 100min Odd number (14 : 50~15 : 40) Even number (15 : 40~16 : 30)	