

Tue. Sep. 14, 2021		
	Room A / Zoom	Room B / Zoom
8 : 30	Open / Rehearsal	/
Chair	Tsukasa TORIMOTO (Nagoya Univ.)	
9 : 00	JPA Special Lectureship Award 2021 [PL01] (9:00~9:35) “New strategies for Photoalignment and Surface Morphing in Photoresponsive Liquid Crystalline Polymer Films” *Takahiro SEKI ¹ (1. Nagoya Univ.)	
9 : 35		Open / Rehearsal (9:20~)
	Symposium: Dynamic Exciton	
Chair	Yutaka IE (Osaka Univ.)	Hiro MINAMIMOTO (Hokkaido Univ.)
9 : 40	[1S01] Development of Highly Efficient TADF Material and its OLED Application *Hironori KAJI ¹ (1. Kyoto Univ.)	[1B01] Highly Sensitive Fluorescence Detection by Photochemical Reaction Promoted on a Plasmonic Chip *Koji MIZUTANI ¹ , Hirobumi SUNAYAMA ² , Toshifumi TAKEUCHI ² , Keiko TAWA ¹ (1. Grad. Sch. of Sci. and Tec., Kwansai Gakuin Univ., 2. Grad. Sch. of Eng., Kobe Univ.)
10 : 00	[1S02] Molecular Design and Photophysics in a Sequential Process of Two-Photon Absorption and Triplet-Triplet Annihilation *Akinori SAEKI ¹ (1. GSE, Osaka Univ.)	[1B02] Properties required for light that induces protein crystallization by surface plasmon resonance *Tetsuo OKUTSU ¹ , Tomohiko SATO ¹ , Hiroaki HORIUCHI ¹ (1. Gunma Univ.)
10 : 20	[1S03] Synthesis and photophysical properties of platinum (II) complexes having donor-acceptor moieties *Eri SAKUDA ¹ (1. Nagasaki Univ.)	[1B03] Enantioselective Photocatalytic Reactions by Coupling between CoPt and Au Nanoparticles *Takuya ISHIDA ¹ , Yukika AOKI ¹ , Tetsu TATSUMA ¹ (1. IIS, Univ. Tokyo)
10 : 40	Break / Rehearsal	
Chair	Hiroko YAMADA (NAIST)	Sadahiro MASUO (Kwansei Gakuin Univ.)
10 : 50	[1S04] Analysis of molecular orientation of organic semiconducting materials using solid state NMR *Katsuaki SUZUKI ¹ , Hironori KAJI ¹ (1. Kyoto Univ.)	[1B04] Hydrogen evolution using visible-light responsive photocathode under modal coupling condition *Tomoya OSHIKIRI ¹ , Xu SHI ² , Hiroaki MISAWA ^{1,3} (1. RIES, Hokkaido Univ., 2. CRI, Hokkaido Univ., 3. Natl. Yang Ming Chiao Tung Univ.)

Tue. Sep. 14, 2021				
	Room C / Zoom	Room D / Zoom		
	/	/	8 : 30	
	Open / Rehearsal (9:20~)	Open / Rehearsal (9:20~)	9 : 20	
	Hajime SHIGEMITSU (Osaka Univ.)	Yusuke TAMAKI (Tokyo Inst. Tech.)	Chair	
	[1C01★] Photoinduced Unfolding of Coiled Supramolecular Polymers Followed by Interchain Aggregation *Kenta TAMAKI ¹ , Shiki YAGAI ² (1. Grad. Sch. of Eng. and Sci., Chiba Univ., 2. IGPR, Chiba Univ.)	[1D01★] Photocatalytic CO ₂ Reduction by Novel Iron Complexes Stabilized by PNNP-type Tetradentate Ligands *Taku WAKABAYASHI ¹ , Kenji KAMADA ¹ , Jieun JUNG ¹ , Susumu SAITO ^{1,2} (1. Grad. Sch. Sci., Nagoya Univ., 2. RCMS, Nagoya Univ.)	9 : 40	
	[1C02] Chiral co-assembling system with both strong emission and large circularly polarized luminescence properties *Naoya RYU ¹ , Shoji NAGAOKA ¹ , Makoto TAKAFUJI ² , Hirotaka IHARA ² (1. Kumamoto Ind. Res. Inst., 2. Dept. Appl. Chem. and Biochem., Kumamoto Univ.)	[1D02] Modification of a PNNP-type Ir complex to possess long-lived excited states for efficient photocatalytic CO ₂ reduction *Jieun JUNG ¹ , Seonghee BAE ¹ , Sujit P. CHAVAN ² , Susumu SAITO ^{1,2} (1. Grad. Sch. of Sci., Nagoya Univ., 2. RCMS, Nagoya Univ.)	10 : 00	
	[1C03] Control of Highly Arranged Perovskite Nanocrystals Based on Self-Assembly of a Perylene Bisimide Derivative *Naoki KUBO ¹ , Mitsuaki YAMAUCHI ¹ , Sadahiro MASUO ¹ (1. Grad. Sch. of Sci. and Technol., Kwansei Gakuin Univ.)	[1D03] Biphasic photocatalytic system driven by photoinduced electron transfer-coupled phase migration of a ferrocene electron mediator *Akinobu NAKADA ^{1,2} , Ren ITAGAKI ¹ , Shin-ya TAKIZAWA ³ , Ho-Chol CHANG ¹ (1. Fac. of Sci. and Eng., Chuo Univ., 2. PRESTO/JST, 3. Grad. Sch. of Arts and Sci., The Univ. Tokyo)	10 : 20	
	Break / Rehearsal		10 : 40	
	Shiki YAGAI (Chiba Univ.)	Hiroyuki TAKEDA (Gunma Univ.)	Chair	
	[1C04] Aggregation-induced photocatalytic activity of a cyanine dye and its application to oxidation reactions in water *Hajime SHIGEMITSU ¹ , Tomoe TAMEMOTO ¹ , Toshiyuki KIDA ¹ (1. Dept. of Applied Chemistry, Grad. Sch. of Eng., Osaka University)	[1D04★] Highly efficiency of hydrogen sulfide decomposition with TiO ₂ (B) composite photocatalyst and the effect of sulfur species for photocatalytic activity *Yukino UESUGI ¹ , Morio NAGATA ¹ (1. Fac. of Eng., Tokyo Univ. of Sci.)	10 : 50	

11 : 10	[1S05] Theoretical analysis of donor-acceptor-linked molecules *Masahiro HIGASHI ^{1,2} (1. Grad. Schl of Eng., Kyoto Univ., 2. JST PRESTO)	[1B05] Development of the effective electron injection system using modal coupling into Ga ₂ O ₃ conduction band with the large negative potential *Yaguang WANG ¹ , Xu SHI ² , Tomoya OSHIKIRI ¹ , Hiroaki MISAWA ^{1,3} (1. RIES, Hokkaido Univ., 2. Creative Research Inst., Hokkaido Univ., 3. Natl. Yang Ming Chiao Tung Univ.)
11 : 30	[1S06] Time resolved EPR study on ultimate triplet-triplet dissociation via activated correlated multiexciton during the singlet fission in thin films Saki MATSUDA ¹ , *Yasuhiro KOBORI ^{2,1} (1. Grad. Sc. Sci. Kobe Univ., 2. Mol. Photo. Res. Cent., Kobe Univ.)	[1B06] Investigation of Polariton Property of Strong Coupling System between Molecular Excitons and Surface Lattice Resonances via Angle-resolved Optical Measurement *Takahiro HAYASHI ¹ , Shunpei OIKAWA, Hiro MINAMIMOTO ² , Kei MURAKOSHI ² (1. Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., 2. Fac. of Sci., Hokkaido Univ.)
11 : 50	Lunchbreak	Introduction of Company Exhibition Tables Spectra-Physics K. K.
12 : 10		Introduction of Company Exhibition Tables UNISOKU Co., Ltd.
12 : 30		Lunchbreak
Chair		Hiroshi IKEDA (Osaka Pref. Univ.)
13 : 00	JPA Award 2020 Award Lecture [AL01] (13:00~13:25) “Rational Design of Environmentally Sensitive Fluorescence Dyes for Advanced Organic Light-emitting Materials” *Gen-ichi KONISHI ¹ (1. Tokyo Inst. Tech.)	Open / Rehearsal (13:20~)
Chair	Yasuhiro KOBORI (Kobe Univ.)	Kazuhiko SEKI (AIST)
13 : 40	[1S07] Development of new π -conjugated systems for application to nonfullerene acceptors *Yutaka IE ¹ (1. Osaka Univ.)	[1B07] Carrier Transport in Organic Thin Film Solar Cells Studied by Simultaneous Measurement of Transient Absorption and Photocurrent *Naoya MURAMATSU ¹ , Tomoaki MIURA ¹ , Tadaaki IKOMA ¹ (1. Grad. School. of Sci. and Tec., Niigata Univ.)
14 : 00	[1S08] Catalytic allylation of aldehyde using feedstock alkenes *Harunobu MITSUNUMA ¹ , Shun TANABE ¹ , Motomu KANAI ¹ (1. The Univ. of Tokyo)	[1B08] Cascaded energy landscape as a key driver for slow yet efficient charge separation with small energy offset in organic solar cells *Yasunari TAMAI ^{1,2} , Shin-ichiro NATSUDA ¹ , Toshiharu SAITO ¹ , Rei SHIROUCHI ¹ , Yuji SAKAMOTO ¹ , Hideo OHKITA ¹ (1. Kyoto Univ., 2. JST PRESTO)
14 : 20	[1S09] Development of Low-Molecular-Weight Organic Semiconductors Using Precursor Approach *Hiroko YAMADA ¹ (1. Grad. Sch. Sci. Tech., NAIST)	[1B09] Observation of Nanostructured Electrode Interface during Hydrogen Evolution Reactions via In-situ Electrochemical Spectroscopy Method *Hiro MINAMIMOTO ¹ , Nobuaki OYAMADA ¹ , Kei MURAKOSHI ¹ (1. Hokkaido Univ.)

[1C05] Supramolecular Photochirogenesis of 2-Anthracenecarboxylate in Silica Nano Ribbon Template Wijak YOSPANYA ^{1,3} , Masaki NISHIJIMA ¹ , Yasuyuki ARAKI ¹ , Tadashi MORI ² , Emilie POUGET ³ , Reiko ODA ³ , *Takehiko WADA ¹ (1. IMRAM, Tohoku Univ., 2. Fac. of Eng., Osaka Univ., 3. Univ. of Bordeaux)	[1D05★] Current density estimation of photo electrode by utilizing feature values derived from various types of analytical data *Yuya NAGAI ¹ , Kenji KATAYAMA ¹ (1. Chuo Univ.)	11 : 10
[1C06] Solid-State Room-Temperature Photoluminescence of a Stable Organic Radical *Ryota MATSUOKA ¹ , Shojiro KIMURA ² , Tetsuro KUSAMOTO ¹ (1. LCCMS, IMS, 2. IMR, Tohoku Univ.)	[1D06★] Effect of Defect Sites on Photocatalysis of Reduced Titanium Dioxide Prepared Using Hydrogen Spillover *Yukari YAMAZAKI ¹ , Kohsuke MORI ^{1,2} , Yasutaka KUWAHARA ^{1,2,3} , Hiromi YAMASHITA ^{1,2} (1. Grad. Eng., Osaka Univ., 2. ESICB, Kyoto Univ., 3. JST-PRESTO)	11 : 30
Introduction of Company Exhibition Tables Japan Laser Corp.	Introduction of Company Exhibition Tables HORIBA, Ltd.	11 : 50
Lunchbreak/Rehearsal	Lunchbreak/Rehearsal	12 : 10
		12 : 30
Open / Rehearsal (13:20~)	Open / Rehearsal (13:20~)	13 : 20
Hideki OKAMOTO (Okayama Univ.)	Fuyuki ITO (Shinshu Univ.)	Chair
[1C07] Suppression Mechanisms of singlet oxygen generation of endogenous photosensitizers *Azusa KIKUCHI ¹ , Kouna MATSUBARA ¹ , Takumi HAYASHI ¹ , Keito MOKUSHI ¹ , Mikio YAGI ¹ (1. Yokohama Natl. Univ.)	[1D07] Charge Carrier Mapping for Z-scheme Photocatalytic Water-Splitting Sheet via Categorization of Microscopic Time-resolved Image Sequences Mikoto EBIHARA ¹ , Takeshi IKEDA ^{2,3} , Sayuri OKUNAKA ^{2,3} , Hiromasa TOKUDOME ^{2,3} , Kazunari DOMEN ^{4,5,*} , Kenji KATAYAMA ¹ (1. Chuo Univ., 2. TOTO, 3. ARPChem, 4. Shinshu Univ., 5. The Univ. of Tokyo)	13 : 40
[1C08★] Development of efficient light harvesting antenna by densely organizing fluorophores into DNA junction *Hidenori AZUMA ¹ , Hiromu KASHIDA ¹ , Yasuyuki ARAKI ² , Takehiko WADA ² , Hiroyuki ASANUMA (1. Grad. Sch. of Eng., Nagoya Univ., 2. IMRAM, Tohoku Univ.)	[1D08] Development of CO ₂ reduction system using semiconductor photoelectrode and bio-catalyst *Masanobu HIGASHI ¹ , Takumi TOYODOME ¹ , Yutaka AMAO ¹ (1. Osaka City Univ.)	14 : 00
[1C09] Using Triplet-Triplet Energy Transfer Kinetics to Access the Dynamics of Biomolecules at the Single-Molecule Level *Jie XU ¹ , Shuya FAN ¹ , Lei XU ¹ , Atsushi MARUYAMA ² , Mamoru FUJITSUKA ¹ , Kiyohiko KAWAI ¹ (1. SANKEN, Osaka Univ., 2. Dept. of Life Sci. and Tech., Tokyo Inst. Tech.)	[1D09★] Activity sensing of cancer cells using luminescent Eu complexes in culture solution *Masaya KONO ¹ , Yuichi KITAGAWA ^{2,4} , Masumi TSUDA ^{3,4} , Sunao SHOJI ^{2,4} , Koji FUSHIMI ² , Shinya TANAKA ^{3,4} , Yasuchika HASEGAWA ^{2,4} (1. Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., 2. Fac. of Eng., Hokkaido Univ., 3. Fac. of Med., Hokkaido Univ., 4. WPI-ICReDD, Hokkaido Univ.)	14 : 20

14 : 40	[1S10] Photoregulation of the Membrane Potential of Living Cells with Donor-Acceptor-Linked Molecules *Tatsuya MURAKAMI ^{1,2} (1. Toyama Pref. Univ., 2. Kyoto Univ.)	[1B10] Crystal structures of colloidal particles formed by laser ablation of vanadyl phthalocyanine crystals in aqueous solutions of surfactants Tomotaka ARAKAKI ¹ , Yuuki KADEKAWA ¹ , *Yoshiaki TAMAKI ¹ (1. Univ. of the Ryukyus)
15 : 00	Break / Rehearsal	
Chair	Akinori SAEKI (Osaka Univ.)	Shun OMAGARI (Tokyo Inst. Tech.)
15 : 10	[1S11] Wideband transient absorption spectroscopy for the photodynamics on inorganic and organic materials *Akira YAMAKATA ¹ , Kosaku KATO ¹ (1. Toyota Tech. Inst.)	[1B11] Switching of fluorescence wavelength of aromatic molecules by using the volume change of NIPA *Atom HAMASAKI ¹ , Kei KUBO ¹ , Miki HARASHIMA ¹ , Akio KATSUKI ² , Sumio OZEKI ¹ (1. Fac. of Sci., Shinshu Univ., 2. SGE, Shinshu Univ.)
15 : 30	[1S12] Bridge-Mediated Dynamic Exciton *Hiroshi IMAHORI ¹ (1. Kyoto Univ.)	[1B12] Synthesis and Exciton Dynamics of ZnSe/InP/ZnSe Spherical Quantum Wells *Daichi EGUCHI ¹ , Naoto TAMAI ¹ (1. Grad. Sch. of Sci., Kwansei Gakuin Univ.)
15 : 50		[1B13] Key factor facilitating triplet-singlet resonance energy transfer for efficient red afterglow emission *Kikuya HAYASHI ¹ , Kei FUKASAWA ² , Takashi YAMASHITA ² , Shuzo HIRATA ¹ (1. The Univ. of Electro-Commun., 2. Tokyo Univ. of Tech.)
16 : 10		[1B14] Development of organic-based photostimulated luminescence systems Manabu SAKURAI ¹ , Ryota KABE ^{2,3} , Masaaki FUKI ⁴ , Zesen LIN ^{2,3} , Kazuya JINNAI ^{3,5} , Yasuhiro KOBORI ^{1,4} , Chihaya ADACHI ^{3,5,6} , *Takashi TACHIKAWA ^{1,4} (1. Grad. Sch. of Sci., Kobe Univ., 2. Okinawa Inst. Sci. & Tech. Grad. Univ., 3. ERATO, JST, 4. Mol. Photosci. Res. Center, Kobe Univ., 5. OPERA, Kyushu Univ., 6. WPI-I2CNER, Kyushu Univ.)
16 : 30		[1B15] A Microspectroscopic Evaluation of Shape-Dependent Halide Vacancy Filling Kinetics in Lead Halide Perovskites *Takuya OKAMOTO ¹ , Muhammad SHAHJAHAN ² , Vasudevanpillai BIJU ^{1,2} (1. RIES, Hokkaido Univ. 2. Grad. Sch. of Envi. Sci., Hokkaido Univ.)
17 : 00	Poster Session 1 (Remo) 17 : 00~18 : 40	

[1C10] Improvements of photodynamic activities of silylporphyrin using sulfo-containing glucose *Hiroaki HORIUCHI ¹ , Kota NISHIKAWA ¹ , Msahiko OSHIGE ¹ , Ichiro MATSUO ¹ , Fumio SUGAWARA ² , Kengo SAKAGUCHI ² , Shinji KATSURA ¹ , Toshitada YOSHIHARA ¹ , Seiji TOBITA ¹ , Tesuo OKUTSU ¹ (1. Gunma Univ., 2. Tokyo Univ. of Sci.)	[1D10★] Wavelength-tunable Photoluminescence of Ag(In, Ga)(S, Se) ₂ Quantum Dots for Near-IR Bioimaging *Nurmanita RISMANINGSIH ¹ , Hiroki YAMAUCHI ¹ , Tatsuya KAMEYAMA ¹ , Hiroshi YUKAWA ¹ , Taro UEMATSU ² , Yoshinobu BABA ¹ , Susumu KUWABATA ² , Tsukasa TORIMOTO ¹ (1. Grad. Sch. of Eng., Nagoya Univ., 2. Grad. Sch. of Eng., Osaka Univ.)	14 : 40
Break / Rehearsal		
Chair	Tadashi MORI (Osaka Univ.)	Akitaka ITO (Kochi Univ. of Tech.)
[1C11] NHC Au(I) complex crystalline molecular rotor showing photo-induced rotational dynamics alternation with photochromism *Mingoo JIN ¹ , Satsuki MATSUURA, Yu OZAWA ² , Ayana SATO ³ , Hajime ITO ¹ (1. WPI-ICReDD, Hokkaido Univ., 2. Dep. App. Chem., Hokkaido Univ., 3. Sch. of Medi., Jichi Medical Univ.)	[1D11★] Switching of photoluminescence property in silver clusters *Wataru ISHII ¹ , Tsuyoshi KAWAI ¹ , Takuya NAKASHIMA ¹ (1.NAIST)	15 : 10
[1C12] Development of Visible Light Driven Acyl Azideation Catalyzed by Metal Ions Modified Titanium Oxide *Keita SHICHIJO ¹ , Yoshio HISAEDA ¹ , Hisashi SHIMAKOSHI ¹ (1. Kyushu Univ.)	[1D12] Hyperspectral Fluorescence Imaging of the phase-separation structures of the polymer blend films *Fuyuki ITO ¹ , Yoshiya HATANNO ¹ , Shiho KATSUMI ¹ (1. Fac. of Edu., Shinshu Univ.)	15 : 30
[1C13] Temperature-Dependent Kinetic Products of a Rectangular Amphiphilic Diarylethene Assembly *Kenji HIGASHIGUCHI ¹ , Yasunobu KOTANI, Haruka YASUDA, Kenji MATSUDA ¹ (1. Kyoto Univ.)	[1D13] Solid-state materials for TTA photon upconversion by "molecular anchor" approach Risa FUKUUCHI ^{1,2} , Neeti TRIPATHI ¹ , Claire HECK ¹ , Yuto TOYOSHIMA ³ , Takumi YOSHINAMI ³ , Kenji KOBAYASHI ³ , *Kenji KAMADA ^{1,2} (1. NMRI, AIST, 2. Grad. Sch. of Sci. and Tech., Kwansei Gakuin Univ., 3. Grad. Sch. of Sci., Shizuoka Univ.)	15 : 50
[1C14] Construction of novel photoluminescence materials based on the controlled photoisomerization of azobenzene derivatives *Mitsuaki YAMAUCHI ¹ , Miho OKAJI ¹ , Sadahiro MASUO ¹ (1. Kwansei Gakuin Univ.)	[1D14] Elucidation of up-conversion mechanism of lanthanide-based core-shell nanoparticles using time-resolved photoluminescence spectroscopy *Kanji SUGIOKA ¹ , Shiori MIYAZAKI ¹ , Kiyoshi MIYATA ¹ , Ayumi ISHII ² , Ken ONDA ¹ (1. Fac. of Sci., Kyushu Univ., 2. Fac. of Life & Environ. Sci., Teikyo Univ. of Sci.)	16 : 10
JPA Award for Young Scientist 2020 Award Lecture [1C15] "Development of Highly Efficient Photophysical and Photoresponsive Functions Based on Rational Designs of π -Conjugated Compounds" *Takashi HIROSE ¹ (1. Kyoto Univ.)	[1D15] Plasmonic properties of liquid-phase synthesized Au nanoparticles and Au-Pd nanoparticles *Yukie YOKOTA ¹ , Asuka FUJITA ¹ , Mayu YAMAMOTO ¹ , Ryosuke KODAMA ² , Ryoma UMINO ² , Hideaki MATSUO ² , Kazuo WATANABE ² (1. Fac. of Sci and Tec., Sophia Univ., 2. Fac. of Sci., Tokyo Univ. of Sci.)	16 : 30
Poster Session 1 (Remo) 17 : 00~18 : 40		