

	Room E	Room A	Room B
8:00	<b>Registration 8:00-</b>		
Chair	SHINOKUBO, Hiroshi (Nagoya Univ.)	NAKANO, Hideyuki (Muroran Inst. Tech)	MAEDA, Hajime (Kanazawa Univ.)
9:00	<b>Symposium I: Recent Advances in Organic Photochemistry: Novel Materials</b> <b>1S01</b> "Cutting-edge optical imaging techniques enabled by organic fluorescent dyes" (Nagoya Univ.) TAKI, Masayasu	<b>1A01</b> Analysis of Fluorescence and Phosphorescence Properties of Highly Luminescent Polyimides Based on Variable Temperature Measurements ( <sup>1</sup> Sch. of Mat. and Chem. Tech., Tokyo Tech.) ONARA, Mayuko <sup>1</sup> · FUJIWARA, Eisuke <sup>1</sup> · ISHIGE, Ryohei <sup>1</sup> · ANDO, Shinji <sup>1</sup>	<b>1B01</b> Photochemical reaction of ketoprofen with indoles ( <sup>1</sup> Aoyama Gakuin Univ.) OKASHIHARA, Wataru <sup>1</sup> · Suzuki, Tadashi <sup>1</sup>
9:20		<b>1A02</b> Synthesis and photophysical studies of AIE-active white fluorescent polycarbonates ( <sup>1</sup> Grad Sch. of Mater. and Chem. Tech., Tokyo Tech) OAMIR, Sharidan <sup>1</sup> · KONISHI, Gen-ichi <sup>1</sup>	<b>1B02</b> Photochemical radical addition of alcohols / cyclic acetals to olefins using sunlight and DTBP ( <sup>1</sup> Coll. Sci. Tech., Nihon Univ.) OHAYAKAWA, Mamiko <sup>1</sup> · YAMADA, Ryusei <sup>1</sup> · NISHITSUKA, Hiroki <sup>1</sup> · WAKAME, Yoshiki <sup>1</sup> · AOYAMA, Tadashi <sup>1</sup> · OUCHI, Akihiko <sup>1</sup>
9:40	<b>1S02</b> "Precious metal-free organic phosphorescent materials" (Kyoto Inst. of Tech.) SHIMIZU, Masaki	<b>1A03</b> External pressure dependence of fluorescence properties of single conjugated polymer nanoparticles ( <sup>1</sup> Tokyo Tech) ONAKAMURA, Tomonori <sup>1</sup> · VACHA, Martin <sup>1</sup>	<b>1B03</b> Synthesis and Chiroptical Properties of Non-Planar and Urea-Bridged Conjugated Oligomers ( <sup>1</sup> Nagoya Institute of Tech · <sup>2</sup> Toho Univ. · <sup>3</sup> Sagami Chemical Research Institute) OTAKAGI, Koji <sup>1</sup> · HIRANO, Yuto <sup>1</sup> · AZUMAYA, Isao <sup>2</sup> · MIKAMI, Koichiro <sup>3</sup>
10:00		<b>1A04</b> Green and Large-Scale Synthesis of a Solid-State Circularly Polarized Luminescent Material ( <sup>1</sup> Grad. Sch. of Mat. Sci., NAIST · <sup>2</sup> Grad. Sch. of Arts. Sci., The Univ. of Tokyo · <sup>3</sup> Inst. Ind. Sci., The Univ. of Tokyo) OHashima, Yuki <sup>1,3</sup> · Ishikawa, Yasuaki <sup>1</sup> · Takizawa, Shin-ya <sup>2</sup> · Fujiki, Michiya <sup>1</sup> · Uraoka, Yukiharu <sup>1</sup> · Minami, Tsuyoshi <sup>3</sup>	<b>1B04</b> Investigation of the photo-induced chiral inversion behavior of P-stereogenic phosphines ( <sup>1</sup> Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ. · <sup>2</sup> Fac. of Sci., Hokkaido Univ.) OMACHIDA, Takashi <sup>1</sup> · KOKADO, Kenta <sup>1,2</sup> · SADA, Kazuki <sup>1,2</sup>
Chair	SHINOKUBO, Hiroshi (Nagoya Univ.)	KONISHI, Gen-Ichi (Tokyo Tech)	TAKAGI, Koji (Nagoya Inst. Tech)
10:20	<b>1S03</b> "Luminescent gold complexes exhibiting phase transitions and various external Stimuli" (Hokkaido Univ.) SEKI, Tomohiro	<b>1A05</b> Enhancement of organic long-persistent luminescence by optimizing donor and introducing extra dopants ( <sup>1</sup> OPERA, Kyushu Univ. · <sup>2</sup> JST-ERATO · <sup>3</sup> WPI-I2CNER, Kyushu Univ. · <sup>4</sup> OIST) OJINNAI, Kazuya <sup>1,2</sup> · NISHIMURA, Naohiro <sup>1,2</sup> · KABE, Ryota <sup>1,4</sup> · ADACHI, Chihaya <sup>1,2,3</sup>	<b>1B05</b> Photocycloaddition of naphthonitrile derivatives with aromatic alkynes bearing electron withdrawing groups ( <sup>1</sup> Graduate School of Natural Science and Technology, Kanazawa Univ.) OYAMASAKI, Kenta <sup>1</sup> · KUNIMATSU, Yuki <sup>1</sup> · FURUYAMA, Taniyuki <sup>1</sup> · SEGI, Masahito <sup>1</sup> · MAEDA, Hajime <sup>1</sup>
10:40		<b>1A06</b> Photoinduced Emission Color Changes of Novel Cyanostyrylbenzene-based Fluorophores ( <sup>1</sup> Muroran Inst. Tech. · <sup>2</sup> RIES, Hokkaido Univ. · <sup>3</sup> NAIST) KANEKO, Ryohei <sup>1</sup> · MORI, Kensuke <sup>1</sup> · SAGARA, Yoshimitsu <sup>2</sup> · KATAO, Shouhei <sup>3</sup> · TAMAOKI, Nobuyuki <sup>2</sup> · ONAKANO, Hideyuki <sup>1</sup>	<b>1B06</b> Sequential Radical Addition and Reductive Radical Cyclization of Tyrosine and Phenylalanine Derivatives with Alkenes via Photoinduced Decarboxylation ( <sup>1</sup> Univ. of Fukui) OOSAKA, Kazuyuki <sup>1</sup> · YOSHIMI, Yasuharu <sup>1</sup>

Room C	Room D	
<b>Registration 8:00-</b>		<b>8:00</b>
<b>OMAGARI, Shun (Tokyo Tech)</b>	<b>YAGI, Masayuki (Niigata Univ.)</b>	<b>Chair</b>
<b>1C01</b> Delayed Red-Shifted Emission by Energy Transfer-Induced Photon Recycling in Pressed Lead Halide Perovskites ( <sup>1</sup> Grad. Sch. Environ. Sci., Hokkaido Univ. · <sup>2</sup> RIES, Hokkaido Univ.) ○BHAGYALAKSHMI, Sankaramangalam Balachandran <sup>1,2</sup> · GHIMIRE, Sushant <sup>1,2</sup> · TAKANO, Yuta <sup>1,2</sup> · YUYAMA, Ken-ichi <sup>1,2</sup> · BIJU, Vasudevanpillai <sup>1,2</sup>	<b>1D01</b> Charge Carrier Dynamics on Bismuth Oxyhalide Photocatalysts ( <sup>1</sup> Toyota Technological Institute · <sup>2</sup> Japan Fine Ceramics Center · <sup>3</sup> Kyoto Univ.) ○YAMAKATA, AKIRA <sup>1</sup> · OGAWA, Takafumi <sup>2</sup> · SHIRAKI, Kyohei <sup>1</sup> · OGAWA, Kanta <sup>3</sup> · KUWAHARA, Akihide <sup>2</sup> · ABE, Ryu <sup>3</sup> · KAGEYAMA, Hiroshi <sup>3</sup>	<b>9:00</b>
<b>1C02</b> Visible-to-UV Photon Upconversion Sensitized by Perovskite Nanocrystals ( <sup>1</sup> Grad. Sch. Eng., Kyusyu Univ. · <sup>2</sup> CMS, Kyusyu Univ. · <sup>3</sup> JST-PRESTO) ○OKUMURA, Keisuke <sup>1</sup> · YANAI, Nobuhiro <sup>1,2,3</sup> · KIMIZUKA, Nobuo <sup>1,2</sup>	<b>1D02</b> Photocatalytic partial oxidation of benzene in a microchannel reactor made of titanium oxide-tungsten oxide hybrid deposited on microbeads. ( <sup>1</sup> Fac. Textile Sci. Tec.) ○USAMI, Hisanao <sup>1</sup> · EGASHIRA, Shuhei <sup>1</sup> · YAMADA, Takaki <sup>1</sup>	<b>9:20</b>
<b>1C03</b> Donor-acceptor molecules showing photon upconversion emission by stepwise two photon absorption ( <sup>1</sup> The Univ. of Electro-Comm · <sup>2</sup> Georgia Inst. Tech · <sup>3</sup> AIST · <sup>4</sup> Kwansei Gakuin Univ. · <sup>5</sup> Tokyo Tech) ○YOMOGITA, Kentaro <sup>1</sup> · ZHANG, Junxiang <sup>2</sup> · MIZUTANI, Ryota <sup>3,4</sup> · VAHCA, Martin <sup>5</sup> · KAMADA, Kenji <sup>4</sup> · MARDER, Seth <sup>2</sup> · HIRATA, Shuzo <sup>1</sup>	<b>1D03</b> Measurement of the photogenerated hole potential on a semiconductor photocatalyst for water oxidation with Ru(II) complex photosensitizers ( <sup>1</sup> Tokyo Tech · <sup>2</sup> Seikei Univ.) ○OOKAZAKI, Megumi <sup>1</sup> · YAMAZAKI, Yasuomi <sup>2</sup> · ISHITANI, Osamu <sup>1</sup> · MAEDA, Kazuhiko <sup>1</sup>	<b>9:40</b>
<b>1C04</b> Triplet-triplet Annihilation Photon Upconversion Using Dyads Connected by Nonconjugated Linkers ( <sup>1</sup> Grad. Sch. Eng., Osaka Pref. Univ. · <sup>2</sup> RIMED, Osaka Pref. Univ.) ○KANO, Masaya <sup>1</sup> · HONDA, Kiyomasa <sup>1</sup> · MATSUI, Yasunori <sup>1,2</sup> · OHTA, Eisuke <sup>1,2</sup> · IKEDA, Hiroshi <sup>1,2</sup>	<b>1D04</b> Effect of Organic Additives on Synthesis of Rutile TiO <sub>2</sub> Nanorod Photocatalyst by Hydrothermal Method ( <sup>1</sup> Graduate School of Sciences and Technology for Innovation, Yamaguchi Univ. · <sup>2</sup> The Institute of Scientific and Industrial Research, Osaka Univ.) YAMAZAKI, Yukari <sup>1</sup> · FUJITSUKA, Mamoru <sup>2</sup> · ○YAMAZAKI, Suzuko <sup>1</sup>	<b>10:00</b>
<b>KITAGAWA, Yuichi (Hokkaido Univ.)</b>	<b>YAMAKATA, Akira (Toyota Inst. Tech.)</b>	<b>Chair</b>
<b>1C05</b> Diffusion limited delayed fluorescence by singlet fission and triplet fusion ( <sup>1</sup> AIST · <sup>2</sup> Nihon Univ.) ○SEKI, Kazuhiko <sup>1</sup> · SONODA, Yoriko <sup>1</sup> · KATO, Ryuzi <sup>2</sup>	<b>1D05</b> Critical transition effect of tungsten oxide nanowires and hexagonal prisms on their photocatalytic activity for water oxidation ( <sup>1</sup> Niigata Univ.) SONE, Kazuya <sup>1</sup> · TATEGAKI, Yuko <sup>1</sup> · SATO, Tetsuya <sup>1</sup> · TANAHASHI, Yuki <sup>1</sup> · MOHAMED, Eman <sup>1</sup> · TSUBONOUCHI, Yuta <sup>1</sup> · ZAHRAN, Zaki <sup>1</sup> · SITO, Kenji <sup>1</sup> · YUI, Tatsuto <sup>1</sup> · ○YAGI, Masayuki <sup>1</sup>	<b>10:20</b>
<b>1C06</b> Suppression of riboflavin-sensitized singlet oxygen generation ( <sup>1</sup> Yokohama National Univ.) MATSUBARA, kouna <sup>1</sup> · SHIMIZU, Ryohei <sup>1</sup> · YAGI, Mikio <sup>1</sup> · ○KIKUCHI, Azusa <sup>1</sup>	<b>1D06</b> Electronic structure analysis of metal-organic frameworks by experimental and theoretical approaches and their application to visible-light water splitting ( <sup>1</sup> Osaka Prefecture Univ. · <sup>2</sup> Hokkaido Univ.) ○MINE, Shinya <sup>1</sup> · TOYAO, Takashi <sup>2</sup> · HORIUCHI, Yu <sup>1</sup> · IKENO, Hidekazu <sup>1</sup> · MATSUOKA, Masaya <sup>1</sup>	<b>10:40</b>

	Room E	Room A	Room B
11:00	1S04 "Organic Laser using Carbon-bridged Oligo (phenylenevinylene)s" (Kanagawa Univ.) TSUJI, Hayato	1A07 Solvent-dependent fluorescence properties of 3-(6-nitro-2-benzothiazolyl) coumarin derivatives ( <sup>1</sup> The Univ. of Tokyo) OIKUTA, Naoya <sup>1</sup> · TAKIZAWA, Shin-ya <sup>1</sup> · MURATA, Shigeru <sup>1</sup>	1B07 Development of new inden-based photolabile protecting group ( <sup>1</sup> Department of Chemistry, Grad. Sch. Sci., Hiroshima Univ. · <sup>2</sup> Hiroshima Univ. Research Center for Photo-Drug-Delivery System) OSASAKI, Miyu <sup>1</sup> · ABE, Manabu <sup>1,2</sup>
11:20		1A08 Circular polarized luminescence characteristics from chiral naphthalenediimide dimer molecules ( <sup>1</sup> IMRAM, Tohoku Univ.) OARAKI, Yasuyuki <sup>1</sup> · SATO, Takehito <sup>1</sup> · KURONUMA, Makoto <sup>1</sup> · KAKIZAKI, Tomonori <sup>1</sup> · NISHIJIMA, Masaki <sup>1</sup> · WADA, Takehiko <sup>1</sup>	1B08 Photophysical Properties of Supramolecular Assembly Based on Amphiphilic Dithienyldiketopyrrolopyrrole Dyes ( <sup>1</sup> Grad. Sch. Sci., Nagoya Univ. · <sup>2</sup> Grad. Sch. Eng., Osaka Univ. · <sup>3</sup> Inst of Transformative Bio-Molecules, Nagoya Univ.) OFUKAYA, Natsumi <sup>1</sup> · OGI, Soichiro <sup>1</sup> · SOTOME, Hikaru <sup>2</sup> · MIYASAKA, Hiroshi <sup>1</sup> · YAMAGUCHI, Shigehiro <sup>3</sup>
11:40		1A09 Zinc-assisted chiral assembly formation of pyrene derivatives and their circularly polarized luminescence ( <sup>1</sup> Tokyo Univ. of Science) OYUASA, Junpei <sup>1</sup> · Imai, Yuki <sup>1</sup>	1B09 Observation of change of photostationary state and analysis of multicolor multistep reaction of azobenzene derivative by two-color pump millisecond transient absorption spectroscopy ( <sup>1</sup> Kobe Univ.) ARAI, Hitomi <sup>1</sup> · OWADA, Akihideo <sup>1</sup>
12:00	Lunch Break (~13:00)		
13:00	PL01 JPA Special Lectureship Award 2019 From Assembly-induced Luminescence to Soft Crystals Masako Kato (Hokkaido Univ.) [Room E]		
13:40	AL01 JPA Elsevier Lectureship Award 2019 Photocatalyzed C(sp <sup>3</sup> )-H/C(sp <sup>2</sup> )-H Functionalization by Hydrogen-Atom Transfer (HAT) Reactions Maurizio Fagnoni (Pavia Univ.) [Room E]		
Chair	ABE, Manabu (Hiroshima Univ.)	MURAYAMA, Keiji (Nagoya Univ.)	MORIMOTO, Masakazu (Rikkyo Univ.)
14:30	<b>Symposium II: Recent Advances in Organic Photochemistry: Novel Reactions</b> 1S05 "Catalyst-Directed Selectivity Control in Photoinduced Radical Reactions" Takashi Ooi (Nagoya Univ., Japan)	1A10 Development of visible-light-controllable NO releasers applicable for in vitro and in vivo ( <sup>1</sup> Graduate School of Pharmaceutical Sciences, Nagoya City Univ.) OIEDA, Naoya <sup>1</sup> · OKUNO, Hana <sup>1</sup> · YAMAUCHI, Ayaka <sup>1</sup> · HOTTA, Yuji <sup>1</sup> · KAWAGUCHI, Mitsuyasu <sup>1</sup> · KIMURA, Kazunori <sup>1</sup> · NAKAGAWA, Hidehiko <sup>1</sup>	1B10 Development of Exciton Coupled Biphotochromic Systems ( <sup>1</sup> Aoyama Gakuin Univ.) OINAGAKI, Yuki <sup>1</sup> · MUTOH, Katsuya <sup>1</sup> · ABE, Jiro <sup>1</sup>
14:50		1A11 Structural Analysis of Nucleic Acids by Controlling the Fluorescence Blinking Triggered by Redox Reactions ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Tokyo Tech) OKAWAI, Kiyohiko <sup>1</sup> · MIYATA, Takafumi <sup>2</sup> · SHIMADA, Naohiko <sup>2</sup> · MARUYAMA, Atsushi <sup>2</sup>	1B11 Photo-triggered Phase Transition and Mechanical Motion of Photochromic Salicylideneamine Crystals ( <sup>1</sup> Grad. Sch. Advanced Sci. and Eng., Waseda Univ. · <sup>2</sup> Center for Data Sci., Waseda Univ. · <sup>3</sup> Res Org Nano & Life Innovat., Waseda Univ.) OHAGIWARA, Yuki <sup>1</sup> · TANIGUCHI, Takuya <sup>2</sup> · ASAHI, Toru <sup>1,3</sup> · KOSHIMA, Hideko <sup>3</sup>

Room C	Room D	
<b>1C07</b> Plasmon enhancement of triplet-triplet annihilation based upconverted emission at the silver interface expressing strong optical electromagnetic fields ( <sup>1</sup> Grad. Sch. Sci. Tec., Nihon Univ.) ○WATANABE, Shiryu <sup>1</sup> · TAKESIMA, Naoto <sup>1</sup> · JIN, Syota <sup>1</sup> · YOSHINARI, Satoshi <sup>1</sup> · SUGAWA, Kosuke <sup>1</sup> · OTSUKI, Joe <sup>1</sup>	<b>1D07</b> Effects of H <sub>2</sub> O <sub>2</sub> addition on the photocatalytic decomposition of azo dyes using the microreactor ( <sup>1</sup> NIT, Nagaoka College) NAKAMURA, Minato <sup>1</sup> · ○MURAKAMI, Yoshinori <sup>1</sup>	<b>11:00</b>
<b>1C08</b> Molecular motion effect on the quintet multiexciton via the intramolecular singlet fission ( <sup>1</sup> Mol. PhotoSci. Res. Center, Kobe Univ. · <sup>2</sup> Grad. Sch. Sci., Kobe Univ. · <sup>3</sup> Graduate School of Engineering, Osaka Prefecture Univ. · <sup>4</sup> The Research Institute for Molecular Electronic Devices, Osaka Prefecture Univ.) ○KOBORI, Yasuhiro <sup>1,2</sup> · NAGASHIMA, Hiroki <sup>1</sup> · KAWAOKA, Shuhei <sup>3</sup> · AKIMOTO, Seiji <sup>2</sup> · TACHIKAWA, Takashi <sup>1,2</sup> · MATSUI, Yasunori <sup>3,4</sup> · IKEDA, Hiroshi <sup>3,4</sup>	<b>1D08</b> Elucidation of electron energy-structure of mixed different titania-mixed photocatalysts by analysis of electron-traps density ( <sup>1</sup> Grad. Sch. Eng., Tokyo Univ. of Sci. · <sup>2</sup> Kawasaki Technical Support Dept., Kanagawa Inst. of Ind. Sci. and Tec. · <sup>3</sup> Dept. of Phys., Northeast Normal Univ. · <sup>4</sup> Grad. Sch. Environ. Sci., Hokkaido Univ. · <sup>5</sup> Inst. Catalysis, Hokkaido Univ.) ○NAGAKAWA, Haruki <sup>1</sup> · OCHIAI, Tsuyoshi <sup>2</sup> · MA, He <sup>3</sup> · WANG, Changhua <sup>3</sup> · ZHANG, Xintong <sup>3</sup> · SHEN, Yang <sup>4</sup> · TAKASHIMA, Mai <sup>4,5</sup> · OHTANI, Bunsho <sup>4,5</sup> · NAGATA, Morio <sup>1</sup>	<b>11:20</b>
<b>1C09</b> Microscopic studies of spin effects in flavin-based radical pairs ( <sup>1</sup> Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○WOODWARD, Jonathan <sup>1</sup> · IKEYA, Noboru <sup>1</sup> · SATO, Masaya <sup>1</sup>	<b>1D09 JPA Award for Young Scientist 2018 Award Lecture</b> Construction of Artificial Photosynthesis Systems Using Semiconductor Photocatalysts and Reduced Graphene Oxide (Meiji Univ.) Akihide Iwase	<b>11:40</b>
<b>Lunch Break (-13:00)</b>		<b>12:00</b>
<b>PL01 JPA Special Lectureship Award 2019</b> <b>From Assembly-induced Luminescence to Soft Crystals</b> <b>Masako Kato (Hokkaido Univ.) [Room E]</b>		<b>13:00</b>
<b>AL01 JPA Elsevier Lectureship Award 2019</b> <b>Photocatalyzed C(sp<sup>3</sup>)-H/C(sp<sup>2</sup>)-H Functionalization by Hydrogen-Atom Transfer (HAT) Reactions</b> <b>Maurizio Fagnoni (Pavia Univ.) [Room E]</b>		<b>13:40</b>
<b>SEKI, Kazuhiko (AIST)</b>	<b>YAMAZAKI, Suzuko (Yamaguchi Univ.)</b>	<b>Chair</b>
<b>1C10</b> Fast-response vapoluminochromism of planar trinuclear copper complexes accompanied by the change in crystal structure ( <sup>1</sup> Grad. Sch. Eng., Osaka Univ. · <sup>2</sup> Grad. Sch. Pure and Appl. Sci., Univ. of Tsukuba · <sup>3</sup> Jichi Med. Univ. · <sup>4</sup> KEK: High Ener. Accel. Res. Org.) ○SUENOBU, Tomoyoshi <sup>1</sup> · ARAHORI, Ikuya <sup>1</sup> · SUZUKI, Mitsuharu <sup>1</sup> · NAKAYAMA, Ken-ichi <sup>1</sup> · TOHNAI, Norimitsu <sup>1</sup> · KASAI, Hidetaka <sup>2</sup> · NISHIBORI, Eiji <sup>2</sup> · ICHIYANAGI, Kohei <sup>3</sup> · SATO-TOMITA, Ayana <sup>3</sup> · NOZAWA, Shunsuke <sup>4</sup>	<b>1D10</b> Hematite mesocrystals with abundant interfacial oxygen vacancies for efficient solar water splitting ( <sup>1</sup> Grad. Sch. Sci. Eng., Kobe Univ. · <sup>2</sup> Mol. PhotoSci. Res. Center, Kobe Univ.) ○ZHANG, Zhujung <sup>1</sup> · KARIMATA, Izuru <sup>1</sup> · NAGASHIMA, Hiroki <sup>2</sup> · TACHIKAWA, Takashi <sup>1,2</sup>	<b>14:30</b>
<b>1C11</b> Materials chemistry for dynamic nuclear polarization using photo-excited triplet electrons ( <sup>1</sup> Grad. Sch. Eng., Kyushu Univ. · <sup>2</sup> Center for Molecular Systems, Kyushu Univ. · <sup>3</sup> JST-PRESTO · <sup>4</sup> Riken) ○YANAI, Nobuhiro <sup>1,2,3</sup> · FUJIWARA, Saiya <sup>1</sup> · KOUNO, Hironori <sup>1</sup> · KIMIZUKA, Nobuo <sup>1,2</sup> · TATEISHI, Kenichiro <sup>4</sup> · UESAKA, Tomohiro <sup>4</sup>	<b>1D11</b> Synthesis of titania nanoparticle for molecular catalyst sensitized reaction ( <sup>1</sup> Tokyo Metropolitan Univ. · <sup>2</sup> Tokyo Tech · <sup>3</sup> Res. Cent. for Hydrogen-based Society, Tokyo Metropolitan Univ. · <sup>4</sup> Res. Cent. for Gold Chem., Tokyo Metropolitan Univ. · <sup>5</sup> Inst. Catalysis, Hokkaido Univ.) ○SANO, Keito <sup>1</sup> · KUTTASSERY, Fazalurahman <sup>2</sup> · SHIMADA, Tetsuya <sup>1,3</sup> · ISHIDA, Tamao <sup>1,4</sup> · OHTANI, Bunsho <sup>5</sup> · INOUE, Haruo <sup>1</sup> · TAKAGI, Shinsuke <sup>1,3</sup>	<b>14:50</b>

	Room E	Room A	Room B
15:10	<b>1S06</b> "Design of Visible-Light Photoredox Systems for Metal-free Radical Fluoroalkylation", Takashi Koike (Tokyo Tech., Japan)	<b>1A12</b> Precise proton mapping near micellar membranes with fluorescent sensors ( <sup>1</sup> Univ. of Tokyo · <sup>2</sup> Queen's Univ.) OUCHIYAMA, Seiichi <sup>1</sup> · YANO, Kayo <sup>1</sup> · FUKATSU, Eiko <sup>1</sup> · de Silva, A. P. <sup>2</sup>	<b>1B12</b> Development of NIR-Light-Responsive Photochromic Compounds ( <sup>1</sup> Aoyama Gakuin Univ.) OABE, Jiro <sup>1</sup>
15:30		<b>1A13</b> Fluorescent nucleic acids functionalized with thiazole orange aggregates ( <sup>1</sup> Univ. of Hyogo) OTAKADA, Tadao · NISHIDA, Koma · NAKANO, Aoi · NAKAMURA, Mitsunobu · YAMANA, Kazushige	<b>1B13</b> Versatile mechanochromic luminescence of imidazolylbenzothiadiazole derivatives ( <sup>1</sup> Yokohama National Univ. · <sup>2</sup> Kobe Univ. · <sup>3</sup> Mol. PhotoSci. Res. Center, Kobe Univ. · <sup>4</sup> Tokyo Tech) NAGAI, Sayaka <sup>1</sup> · YAMASHITA, Maho <sup>2</sup> · TACHIKAWA, Takashi <sup>2,3</sup> · UENO, Takuya <sup>4</sup> · UEKUSA, Hidehiro <sup>4</sup> · UBUKATA, Takashi <sup>1</sup> · ASAMI, Masatoshi <sup>1</sup> · OITO, Suguru <sup>1</sup>
Chair	ABE, Manabu (Hiroshima Univ.)	KAWAI, Kiyohiko (Osaka Univ.)	ABE, Jiro (Aoyama Gakuin Univ.)
15:50	<b>1S07</b> "Decarboxylative Radical Reactions of Carboxylic Acids Initiated by PET Using Organic Photoredox System" Yasuharu Yoshimi (Fukui Univ., Japan)	<b>1A14</b> Functional control of serinol nucleic acid (SNA) using photo-crosslink type nucleobase: 8-pyrenylvinyladenine ( <sup>1</sup> Nagoya Univ.) OYAMANO, Yuuhei <sup>1</sup> · MURAYAMA, Keiji <sup>1</sup> · ASANUMA, Hiroyuki <sup>1</sup>	<b>1B14</b> Photosensitized effect at the diarylethene hollow crystal induced fluorescent compound ( <sup>1</sup> Ryukoku Univ. · <sup>2</sup> Rikkyo Univ. · <sup>3</sup> JASRI · <sup>4</sup> Tokyo Tech · <sup>5</sup> TUPLS · <sup>6</sup> RIKEN) ONAGAI, Akira <sup>1</sup> · HATANNO, Eri <sup>1</sup> · MORIMOTO, Masakazu <sup>2</sup> · YASUDA, Nobuhiro <sup>3</sup> · SEKINE, Akiko <sup>4</sup> · YOKOJIMA, Satoshi <sup>5</sup> · NAKAMURA, Shinichiro <sup>6</sup> · UCHIDA, Kingo <sup>1</sup>
16:10		<b>1A15</b> Magneto chiral dichroism of green photosynthetic bacteria ( <sup>1</sup> The Univ. of Tokyo · <sup>2</sup> Ritsumeikan Univ.) OWADA, Jyunya <sup>1</sup> · Hattori, Shingo <sup>1</sup> · Kitagawa, Yuichi <sup>1</sup> · Kinoshita, Yusuke <sup>2</sup> · Isaji, Mugumi <sup>2</sup> · Hitoshi, Tamiaki <sup>2</sup> · Ishii, Kazuyuki <sup>1</sup>	<b>1B15</b> Electrofluorochromism based on inter-molecular excited energy transfer between photo-functional molecules ( <sup>1</sup> Graduate School of Engineering, Chiba Univ.) ONAKAMURA, Kazuki <sup>1</sup> · YANAGAWA, Namiko <sup>1</sup> · KOBAYASHI, Norihisa <sup>1</sup>
16:30	<b>1S08</b> "Synthetic Applications of Photochemically-Generated Siloxycarbenes" Hiroyuki Kusama (Gakushuin Univ., Japan)	<b>1A16</b> SERS detection of anticancer drug-DNA interaction in a nucleus with single cell endoscopy ( <sup>1</sup> RIES, Hokkaido Univ. · <sup>2</sup> KU Leuven) OINOSE, Tomoko <sup>1</sup> · FORTUNI, Beatrice <sup>2</sup> · RICCI, Monica <sup>2</sup> · KOTANI, Ibuki <sup>1</sup> · HIRAI, Kenji <sup>1</sup> · ROCHA, Susana <sup>2</sup> · HOFKENS, Johan <sup>2</sup> · UJI-I, Hiroshi <sup>1,2</sup>	<b>1B16</b> Control of Potential Energy Surface of Amphiphilic Diarylethene Assembly Showing LCST Behavior: Photoinduced Reentrant Transition and Thermal Stepwise Transition ( <sup>1</sup> Grad. Sch. Sci., Kyoto Univ.) OKOTANI, Yasunobu <sup>1</sup> · HIGASHIGUCHI, Kenji <sup>1</sup> · MATSUDA, Kenji <sup>1</sup>
Chair			INOSE, Tomoko (Hokkaido Univ.)
16:50		<b>1A17</b> Evaluation of cellular states based on spectral changes of a fluorescent protein. ( <sup>1</sup> NAIST · <sup>2</sup> Osaka Univ. Institute for data-bility science) OYASUKUNI, Ryohei <sup>1</sup> · IDE, Keisuke <sup>1</sup> · YAMADA, Sohei <sup>1</sup> · NIIOKA, Hirohiko <sup>2</sup> · HOSOKAWA, Yoichiroh <sup>1</sup>	<b>1B17</b> Effect of alkyl substituents at reactive carbon atoms on photoreaction quantum yields of fluorescent diarylethenes ( <sup>1</sup> Rikkyo Univ.) OBAN, Ifu <sup>1</sup> · MORIMOTO, Masakazu <sup>1</sup> · IRIE, Masahiro <sup>1</sup>
17:10		<b>1A18</b> Development of Fluorescent Molecular Probes for the Detection of Living Substances ( <sup>1</sup> AIST) OSUZUKI, Yoshio <sup>1</sup> · KUROSAWA, Shigeru <sup>1</sup>	<b>1B18</b> Phenothiazine and Phenoxazine Based Photochromic Radical Complexes that Show Heterolytic Bond Cleavages ( <sup>1</sup> Coll. Life Sci. Ritsumeikan Univ. · <sup>2</sup> Sch. Sci. Eng., Aoyama Gakuin Univ.) OUSUI, Ryosuke <sup>1</sup> · MUTOH, Katsuya <sup>2</sup> · ABE, Jiro <sup>2</sup> · KOBAYASHI, Yoichi <sup>1</sup>
17:30		<b>1A19</b> Computational molecular modeling of colored gold colloids ( <sup>1</sup> Japan Advanced Institute of Science and Technology (JAIST) · <sup>2</sup> Professor Emeritus) OYAMAMOTO, Yuko <sup>1</sup> · YANAGIDA, Shozo <sup>2</sup>	<b>1B19</b> CO <sub>2</sub> Responsive Behavior and Fluorescence Properties of Diethenylpyrrole Derivatives Possessing Cyano Groups ( <sup>1</sup> Kochi Univ. of Technology, School of Environmental Science and Engineering) OYOKOYAMA, Soichi <sup>1</sup> · NISHIWAKI, Nagatoshi <sup>1</sup>
18:00	<b>Poster Presentation (Toyoda Auditorium) (-19:40)</b> <b>[1P] (Odd number 18:00-18:50, Even number 18:50-19:40)</b>		

Room C	Room D	
<b>1C12</b> Enhancement of S-T absorption and multiphoton transition in single crystal of the complex with Au-Au interaction ( <sup>1</sup> AIST · <sup>2</sup> Ritsumeikan Univ.) ANDO, Akihiro <sup>1,2</sup> · HISANO, Kyohei <sup>2</sup> · OSAMU, Tsutsumi <sup>2</sup> · OKAMADA, Kenji <sup>1</sup>	<b>1D12</b> Two-photon emission imaging of quantum dots adsorbed on the silver plasmonic chip ( <sup>1</sup> Kwansei Gakuin Univ. · <sup>2</sup> AIST · <sup>3</sup> Osaka City Univ.) OOMURA, Yuki <sup>1</sup> · MATSUBAYASHI, Yuki <sup>1,2</sup> · HOSOKAWA, Chie <sup>2,3</sup> · TAWA, Keiko <sup>1</sup>	<b>15:10</b>
<b>1C13</b> Evaluation for Equilibrium State of Metal Clusters by the Usage of Photoluminescence Analysis ( <sup>1</sup> College of Science, Rikkyo Univ.) ONIIHORI, YOSHIKI <sup>1</sup> · TAKAHASHI, Naoya <sup>1</sup> · MITSUI, Masaaki <sup>1</sup>	<b>1D13</b> Effects of Asymmetric Interparticle Coupling on Plasmon-Induced Charge Separation ( <sup>1</sup> IIS, Univ. Tokyo) OISHIDA, Takuya <sup>1</sup> · TATSUMA, Tetsu <sup>1</sup>	<b>15:30</b>
<b>YANAI, Nobuhiro (Kyushu Univ.)</b>	<b>NISHI, Hiroyasu (Univ. of Tokyo)</b>	<b>Chair</b>
<b>1C14</b> Luminescent gold complexes exhibiting phase transitions and various external stimuli ( <sup>1</sup> Hokkaido Univ.) OSEKI, Tomohiro <sup>1</sup>	<b>1D14</b> Optical Molecular Condensation induced by highly localized electromagnetic field of surface plasmon ( <sup>1</sup> Grad. Sch. Chem. Sci. and Eng., Hokkaido Univ. · <sup>2</sup> Grad. Sch. Sci., Hokkaido Univ.) OOYAMADA, Nobuaki <sup>1</sup> · MINAMIMOTO, Hiro <sup>2</sup> · MURAKOSHI, Kei <sup>2</sup>	<b>15:50</b>
<b>1C15</b> On the nanoscale quantitative investigation of triboluminescence ( <sup>1</sup> Tokyo Tech · <sup>2</sup> ENS Paris-Saclay · <sup>3</sup> Hokkaido Univ.) OOMAGARI, Shun <sup>1</sup> · HIRAI, Yuichi <sup>2</sup> · HASEGAWA, Yasuchika <sup>3</sup> · VACHA, Martin <sup>1</sup>	<b>1D15</b> Controlled Isotopic Effect of Hydrogen Evolution Reactions at Plasmonic Electrodes ( <sup>1</sup> Hokkaido Univ.) OMINAMIMOTO, Hiro <sup>1</sup> · Sato, Daiki <sup>1</sup> · OSAKA, Ryo <sup>1</sup> · MURAKOSHI, Kei <sup>1</sup>	<b>16:10</b>
<b>1C16</b> Emission of Cerium(III) Thiocyanate Complex and Its Solvent Dependence ( <sup>1</sup> Tokyo Univ. of Science) OKURAMOCHI, Yusuke <sup>1</sup> · SAYAMA, Shunsuke <sup>1</sup> · SATAKE, Akiharu <sup>1</sup>	<b>1D16</b> Crystallization of protein induced by plasmon resonance at gaps of gold nanostructures ( <sup>1</sup> Gunma Univ.) OOKUTSU, Tetsuo <sup>1</sup> · KOUTAKA, Tamoko <sup>1</sup> · ITO, Asuka <sup>1</sup> · SATO, Tomohiko <sup>1</sup> · HORIUCHI, Hiroaki <sup>1</sup>	<b>16:30</b>
	<b>MINAMIMOTO, Hiro (Hokkaido Univ.)</b>	<b>Chair</b>
<b>1C17</b> Photosensitized Emission with Low Energy Excitation Based on Kinetic Control in Lanthanide Complex ( <sup>1</sup> Faculty of Engineering, Hokkaido Univ. · <sup>2</sup> Graduate School of Chemical Sciences and Engineering, Hokkaido Univ. · <sup>3</sup> WPI-ICReDD) OKITAGAWA, Yuichi <sup>1,3</sup> · SUZUE, Fumiya <sup>2</sup> · KUMAGAI, Marina <sup>2</sup> · FUSHIMI, Koji <sup>1</sup> · HASEGAWA, Yasuchika <sup>1,3</sup>	<b>1D17</b> Detection of Dark Matter Particles (2) – Readout of Nuclear Tracks by Plasmonic Resonance of Ag nanoparticles- ( <sup>1</sup> Fellow, Soc. Photogr. Imaging Jpn. · <sup>2</sup> Graduate School of Engineering, Tokyo Polytech. Univ. · <sup>3</sup> Faculty of Science, Toho Univ.) OTANI, Tadaaki <sup>1</sup> · UCHIDA, Takayuki <sup>2</sup> · NAKA, Tatsuhiro <sup>3</sup>	<b>16:50</b>
<b>1C18</b> Syntheses and photophysical properties of Eu(III) coordination polymers built with triphenylene backbones ( <sup>1</sup> Grad. Sch. Chem. Sci. and Eng., Hokkaido Univ. · <sup>2</sup> Fac. Sci., Hokkaido Univ. · <sup>3</sup> ICReDD, Hokkaido Univ. · <sup>4</sup> RIES, Hokkaido Univ.) OSAWANOBORI, Takuya <sup>1</sup> · KITAGAWA, Yuichi <sup>2,3</sup> · SHOJI, Sunao <sup>2</sup> · HISAKI, Ichiro <sup>4</sup> · FUSHIMI, Koji <sup>2</sup> · HASEGAWA, Yasuchika <sup>2,3</sup>	<b>1D18</b> Localized Photooxidation Reactions at Plasmonic Metal Nanoparticles and their Application to Nanofabrication ( <sup>1</sup> Institute of Industrial Science, The Univ. of Tokyo) ONISHI, Hiroyasu <sup>1</sup> · TATSUMA, Tetsu <sup>1</sup>	<b>17:10</b>
	<b>1D19</b> Near-field circular dichroism on gold nanostructure observed by photoemission electron microscope ( <sup>1</sup> Research Institute for Electronic Science, Hokkaido Univ. · <sup>2</sup> Center for Emergent Functional Matter Science, National Chiao Tung Univ.) OSHIKIRI, Tomoya <sup>1</sup> · YAMADA, Hiroki <sup>1</sup> · SUN, Quan <sup>1</sup> · SASAKI, Keiji <sup>1</sup> · MISAWA, Hiroaki <sup>1,2</sup>	<b>17:30</b>
<b>Poster Presentation (Toyoda Auditorium) (-19:40)</b> <b>[1P] (Odd number 18:00-18:50, Even number 18:50-19:40)</b>		<b>18:00</b>

	Room A	Room B
8:00	<b>Registration 8:30-</b>	
Chair	<b>TAKAGI, Shinsuke (Tokyo Metropolitan Univ.)</b>	<b>OGI, Soichiro (Nagoya Univ.)</b>
9:00	<b>2A01</b> Computational verification of Structured UV spectrum of benzene ( <sup>1</sup> Osaka Univ. Emeritus · <sup>2</sup> M3 Laboratory Inc. · <sup>3</sup> Univ. of the Ryukyus) OYANAGIDA, Shozo <sup>1</sup> · YOSHIKAWA, Osamu <sup>2</sup> · YANAGISAWA, Susumu <sup>3</sup>	<b>2B01</b> Synthesis of Covalently Linked Hexacene Dimers for Observation of Singlet Fission ( <sup>1</sup> Keio Univ. · <sup>2</sup> Tampere Univ.) ONAKAMURA, Shunta <sup>1</sup> · SAKAI, Hayato <sup>1</sup> · TKACHENKO, Nikolai <sup>2</sup> · HASOBE, Taku <sup>1</sup>
9:20	<b>2A02</b> Luminescence from intramolecular charge transfer excited state of mono-, di-, tri-radicals ( <sup>1</sup> Institut für Organische Chemie, Julius-Maximilians-Universität Würzburg · <sup>2</sup> Institut für Anorganische Chemie, Julius-Maximilians-Universität Würzburg · <sup>3</sup> Experimental Physics VI Julius-Maximilians-Universität Würzburg) OHATTORI, Yohei <sup>1</sup> · MICHAIL, Evripidis <sup>1</sup> · SCHMIEDEL, Alexander <sup>1</sup> · HOLZAPFEL, Marco <sup>1</sup> · KRUMMENACHER, Ivo <sup>2</sup> · BRAUNSCHEWIG, Holger <sup>2</sup> · MÜLLER, Ulrich <sup>3</sup> · PFLAUM, Jens <sup>3</sup> · LAMBERT, Christoph <sup>1</sup>	<b>2B02</b> Dual emission through Thermally Activated Fluorescence and Room Temperature Phosphorescence: Novel Thermal Enhancement Mechanism ( <sup>1</sup> The Univ. of Electro-Commun. · <sup>2</sup> Shiv Nadar Univ.) OBHATTACHARJEE, Indranil <sup>1</sup> · RAY, Debdas <sup>2</sup>
9:40	<b>2A03</b> Exploration of non-radiative decay paths in photoreactions: toward the theoretical design of photo-functional molecules ( <sup>1</sup> Hokkaido Univ. · <sup>2</sup> JST-PRESTO · <sup>3</sup> WPI-ICReDD · <sup>4</sup> NIMS) OHARABUCHI, Yu <sup>1,2,3</sup> · MAEDA, Satoshi <sup>1,3,4</sup>	<b>2B03</b> Emitting mechanism of highly-efficient electroluminescence in OLED using carbazole-benzonitrile derivatives: fluorescence via higher triplets ( <sup>1</sup> FIFC, Kyoto Univ. · <sup>2</sup> Graduate School of Engineering, Kyoto Univ. · <sup>3</sup> AIST · <sup>4</sup> ESICB, Kyoto Univ.) OTA, Wataru <sup>1,2</sup> · HOSOKAI, Takuya <sup>3</sup> · UEJIMA, Motoyuki <sup>1</sup> · OSATO, Tohru <sup>1,2,4</sup>
10:00	<b>2A04</b> Consideration by the calculation science of high-photoelastic polyurethane and application for pressure-sensitive sensor. ( <sup>1</sup> Mitsuichemicals, Inc. · <sup>2</sup> Kansai Univ.) OKINBARA, Yuhō <sup>1</sup> · KAGEOKA, Masakazu <sup>1</sup> · TAJITSU, Yoshirou <sup>2</sup> · TAKARADA, Jun <sup>2</sup>	<b>2B04</b> Structural dynamics upon spin conversion process in thermally activated delayed fluorescence studied by time-resolved infrared spectroscopy ( <sup>1</sup> Faculty of Sci. Kyushu Univ. · <sup>2</sup> OPERA Kyushu Univ. · <sup>3</sup> JST-ERATO) SAIGO, Masaki <sup>1</sup> · SHIMODA, Yuushi <sup>1</sup> · MIYATA, Kiyoshi <sup>1</sup> · NAKANOTANI, Hajime <sup>2,3</sup> · TSUCHIYA, Youichi <sup>2,3</sup> · ADACHI, Chihaya <sup>2,3</sup> · OONDA, Ken <sup>1</sup>
10:40	<b>AL02 Porter Medal Award Lecture</b> The Tip of the Iceberg of Polyhedral Research Interests for Energy Flow in Chemical Reactions and Supramolecular System Haruo Inoue (Tokyo Metropolitan Univ.) <b>[Room S]</b>	
11:40	<b>AL03 JPA Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikosha 2019</b> Operando X-ray Spectroscopy Probing the Behaviors of Metal Centers during the Chemical Reactions Chen Hao Ming (National Taiwan Univ.) <b>[Room S]</b>	
12:10	Lunch Break (-13:40)	
13:40	<b>AL04 JPA Honda-Fujishima Lectureship Award 2018</b> Food and Fuel from Sunlight, Air and Water Daniel G. Nocera (Harvard Univ.) <b>[Room S]</b>	
14:20	<b>AL05 JPA Honda-Fujishima Lectureship Award 2019</b> A Journey to Molecular Excitonic World Dongho Kim (Yonsei Univ.) <b>[Room S]</b>	
15:00	Break	
15:10	<b>AL06 JPA Award 2018 Award Lecture</b> Charge Generation Dynamics in Polymer Solar Cells Hideo Ohkita (Kyoto Univ.) <b>[Room S]</b>	
15:35	<b>AL07 JPA Award 2018 Award Lecture</b> Metal-free Organic Transformation Using Organic Photoredox Catalysts Kei Ohkubo (Osaka Univ.) <b>[Room S]</b>	
16:00	Break	
16:10	JPA General Meeting & Award Ceremony	

Room C	Room D	
<b>Registration 8:30-</b>		<b>8:00</b>
<b>KIKUCHI, Azusa (Yokohama Natl. Univ.)</b>	<b>OSHIKIRI, Tomoya (Hokkaido Univ.)</b>	<b>Chair</b>
<b>2C01</b> Effect of sacrificial reagents for photocatalytic CO <sub>2</sub> reduction using a bifunctional iridium complex ( <sup>1</sup> Nagoya Univ. · <sup>2</sup> Toyota Central R&D Labs., Inc. · <sup>3</sup> Meijo Univ.) ○JUNG, Jieun <sup>1</sup> · KAMADA, Kenji <sup>1</sup> · SEKIZAWA, Keita <sup>2</sup> · MORIKAWA, Takeshi <sup>2</sup> · FUKUZUMI, Shunichi <sup>3</sup> · SAITO, Susumu <sup>1</sup>	<b>2D01</b> Preparation and Photocatalytic Activity of Anisotropic-shaped Quantum Dots Composed of ZnSe-AgInSe <sub>2</sub> Solid Solution ( <sup>1</sup> Graduate School of Engineering, Nagoya Univ. · <sup>2</sup> Grad. Sch. Eng., Osaka Univ.) ○MASUOKA, Ko <sup>1</sup> · KAMEYAMA, Tatsuya <sup>1</sup> · KUWABATA, Susumu <sup>2</sup> · TORIMOTO, Tsukasa <sup>1</sup>	<b>9:00</b>
<b>2C02</b> Development of Ru(II) photosensitizer toward wide-band absorption utilizing S-T transitions ( <sup>1</sup> Tokyo Tech.) ○TAMAKI, Yusuke <sup>1</sup> · ISHITANI, Osamu <sup>1</sup>	<b>2D02</b> Plasmonic p-n Junction for Infrared Light to Chemical Energy Conversion ( <sup>1</sup> Institute for chemical research, Kyoto Univ.) ○SAKAMOTO, Masanori <sup>1</sup> · LIAN, Zichao <sup>1</sup> · TERANISHI, Toshiharu <sup>1</sup>	<b>9:20</b>
<b>2C03</b> Synthesis of a benzofuran-fused BODIPY dye applicable to photocatalyst for hydrogen production ( <sup>1</sup> Graduate School of Urban Environmental Sciences, Tokyo Metropolitan Univ. · <sup>2</sup> Tokyo Metropolitan Univ., Research Center for Hydrogen Energy-based Society.) ○MAKINO, Ko <sup>1</sup> · SATO, Haruka <sup>1</sup> · MU, Binyuan <sup>1</sup> · KUBO, Yuji <sup>1,2</sup>	<b>2D03</b> Control of colloidal quantum dot arrangement by supramolecular approach ( <sup>1</sup> School of Science and Technology, Kwansei Gakuin Univ.) ○YAMAUCHI, Mitsuaki <sup>1</sup> · MASUO, Sadahiro <sup>1</sup>	<b>9:40</b>
<b>2C04</b> Benzothiadiazole-Based Dye Photosensitizers for Water Splitting Using Dye-Encapsulated Carbon Nanotubes ( <sup>1</sup> Graduate School of Environmental and Life Science, Okayama Univ.) SAGAWA, Ryo-hei <sup>1</sup> · OKABE, Shogo <sup>1</sup> · TAJIMA, Tomoyuki <sup>1</sup> · ○TAKAGUCHI, Yutaka <sup>1</sup>	<b>2D04</b> Optical Absorption and Urbach Rule of Semiconductor Quantum Dots on Different Surfaces of Single crystal TiO <sub>2</sub> : Comparison between Photothermal and Absorbance Spectra ( <sup>1</sup> The Univ. of Electro-Communications · <sup>2</sup> Bunkoukeiki Co., Ltd. · <sup>3</sup> Kyoto Institute of Tech) ○TOYODA, Taro <sup>1</sup> · SHEN, Qing <sup>1</sup> · KAMIYAMA, Keita <sup>2</sup> · HAYASE, Shuzi <sup>3</sup>	<b>10:00</b>
<b>AL02 Porter Medal Award Lecture</b> The Tip of the Iceberg of Polyhedral Research Interests for Energy Flow in Chemical Reactions and Supramolecular System Haruo Inoue (Tokyo Metropolitan Univ.) <b>[Room S]</b>		<b>10:40</b>
<b>AL03 JPA Lectureship Award for Asian and Oceanian Photochemist Sponsored by Eikosha 2019</b> Operando X-ray Spectroscopy Probing the Behaviors of Metal Centers during the Chemical Reactions Chen Hao Ming (National Taiwan Univ.) <b>[Room S]</b>		<b>11:40</b>
<b>Lunch Break (-13:40)</b>		<b>12:10</b>
<b>AL04 JPA Honda-Fujishima Lectureship Award 2018</b> Food and Fuel from Sunlight, Air and Water Daniel G. Nocera (Harvard Univ.) <b>[Room S]</b>		<b>13:40</b>
<b>AL05 JPA Honda-Fujishima Lectureship Award 2019</b> A Journey to Molecular Excitonic World Dongho Kim (Yonsei Univ.) <b>[Room S]</b>		<b>14:20</b>
<b>Break</b>		<b>15:00</b>
<b>AL06 JPA Award 2018 Award Lecture</b> Charge Generation Dynamics in Polymer Solar Cells Hideo Ohkita (Kyoto Univ.) <b>[Room S]</b>		<b>15:10</b>
<b>AL07 JPA Award 2018 Award Lecture</b> Metal-free Organic Transformation Using Organic Photoredox Catalysts Kei Ohkubo (Osaka Univ.) <b>[Room S]</b>		<b>15:35</b>
<b>Break</b>		<b>16:00</b>
<b>JPA General Meeting &amp; Award Ceremony</b>		<b>16:10</b>



	Room E	Room A	Room B
8:00	<b>Registration 8:30-</b>		
Chair	TORIMOTO, Tsukasa (Nagoya Univ.)	FUJITSUKA, Mamoru (Osaka Univ.)	NORIKANE, Yasuo (AIST)
9:00	<p><b>Symposium III: Nano-Material Manipulation with Optical Forces and Their Applications</b></p> <p>9:00-9:30 <b>3S01</b> “Nano-materials optical manipulation based on metter’ s microscopic properties” (Osaka Univ., Osaka Pref. Univ) ISHIHARA, Hajime</p>	<p><b>3A01</b> Development of new measurement system for femto-second transient absorption spectra without Regenerative amplifier (<sup>1</sup>Univ. of Toyama) ONIINUMA, Tomohiro<sup>1</sup> · IWAMURA, Munetaka<sup>1</sup> · NOZAKI, Koichi<sup>1</sup></p>	<p><b>3B01</b> Drastic emission color manipulation of anthracene induced by an incorporation into zeolites (<sup>1</sup>The Univ. of Tokyo · <sup>2</sup>Ritsumeikan Univ.) OKISHIMOTO, Fuminao<sup>1</sup> · HISANO, Kyohei<sup>2</sup> · TSUTSUMI, Osamu<sup>2</sup> · WAKIHARA, Toru<sup>1</sup> · OKUBO, Tatsuya<sup>1</sup></p>
9:20	<p>9:30-9:55 <b>3S02</b> “Manipulation of functional molecules on neuronal networks with optical forces” (Osaka City Univ.; AIST) HOSOKAWA, Chie</p>	<p><b>3A02</b> Excited state dynamics of red fluorescent FLAP working as a fluorogenic viscosity probe (<sup>1</sup>Grad. Sch. Sci., Kyoto Univ. · <sup>2</sup>JST-PRESTO · <sup>3</sup>RIKEN-RAP · <sup>4</sup>RIKEN-TAHARA Molecular Spectroscopy) OKIMURA, Ryo<sup>1</sup> · KURAMOCHI, Hikaru<sup>2,3,4</sup> · TAHARA, Tahei<sup>3,4</sup> · LIU, Pengpeng<sup>1</sup> · OSUKA, Atsuhiko<sup>1</sup> · SAITO, Shohei<sup>1,2</sup></p>	<p><b>3B02</b> Chain Length Effects on the Crystal Structure and Fluorescence Properties of a Series of alpha.omega-Di(4-pyridyl)polyenes (<sup>1</sup>AIST · <sup>2</sup>Grad. Sch. Eng., Osaka Univ.) OSONODA, Yoriko<sup>1</sup> · TOHNAI, Norimitsu<sup>2</sup> · SHIMOI, Yukihiko<sup>1</sup></p>
9:40	<p>9:55-10:20 <b>3S03</b> “Nanostructure-assisted optical tweezers toward analytical chemistry” (Osaka City Univ.) SHOJI, Tatsuya</p>	<p><b>3A03</b> Simultaneous analysis of near-IR and microwave transient absorption signals for charge recombination dynamics in TiO<sub>2</sub> (<sup>1</sup>Nihon Univ. · <sup>2</sup>AIST) OKATOH, Ryuzi<sup>1</sup> · SEKI, Kazuhiko<sup>2</sup></p>	<p><b>3B03</b> Blue fluorescence from N,O-coordinated BF<sub>2</sub> complexes having aromatic chromophores in solution and solid state (<sup>1</sup>Gunma Univ. · <sup>2</sup>Okayama Univ. · <sup>3</sup>Kyusyu Univ.) OYAMAJI, Minoru<sup>1</sup> · OKAMOTO, Hideki<sup>2</sup> · GOTO, Kenta<sup>3</sup> · TANI, Fumito<sup>3</sup></p>
10:00		<p><b>3A04</b> Intramolecular energy transfer rates in copper(II) porphyrin-free base porphyrin dimers by sub-nanosecond transient absorption spectroscopy (<sup>1</sup>Gunma Univ. · <sup>2</sup>Osaka Univ. · <sup>3</sup>Unisoku Co., Ltd) KOBORI, Ken<sup>1</sup> · OASANO, Motoko<sup>1</sup> · SUENOBU, Tomoyoshi<sup>2</sup> · HANADA, Hiroaki<sup>3</sup> · NAKAGAWA, Tasuo<sup>3</sup></p>	<p><b>3B04</b> Ultralong lifetime phosphorescence from solid state 18-crown-6 derivatives (<sup>1</sup>Chiba Univ., Grad. Sch. Sci. Eng. · <sup>2</sup>Chiba Univ., Fac. Eng. · <sup>3</sup>Chiba Univ., Grad. Sch. Eng.) SAKAMOTO, Takaaki<sup>1</sup> · TAKIGAWA, Junya<sup>2</sup> · YAMADA, Masaru<sup>1</sup> · TANIGUCHI, Tatsuo<sup>3</sup> · OKARATSU, Takashi<sup>3</sup></p>

Room C	Room D	
<b>Registration 8:30-</b>		<b>8:00</b>
<b>ASANUMA, Hiroyuki (Nagoya Univ.)</b>	<b>TACHIKAWA, Takashi (Kobe Univ.)</b>	<b>Chair</b>
<b>3C01</b> Photophysical Properties of Porphyrin-Nanographene Linked Molecules ( <sup>1</sup> Graduate School of Engineering, Kyoto Univ. · <sup>2</sup> iCeMS, Kyoto Univ.) ○UMEYAMA, Tomokazu <sup>1</sup> · HANAOKA, Takuma <sup>1</sup> · YAMADA, Hiroki <sup>1</sup> · PARK, JaeHong <sup>1</sup> · IMAHORI, Hiroshi <sup>1,2</sup>	<b>3D01</b> Exciton Diffusion in Nonfullerene Acceptors Employed for Organic Photovoltaics ( <sup>1</sup> Grad. Sch. of Eng., Kyoto Univ. · <sup>2</sup> JST-PRESTO) ○OHMURA, Tomoki <sup>1</sup> · YAMAGUCHI, Shun <sup>1</sup> · TSUJIOKA, Kota <sup>1</sup> · TAMAI, Yasunari <sup>1,2</sup> · OHKITA, Hideo <sup>1</sup>	<b>9:00</b>
<b>3C02</b> Photodynamic activity of tetrakis(4-alkoxyphenyl) porphyrin P(V) complexes through electron transfer ( <sup>1</sup> Shizuoka Univ. · <sup>2</sup> Hamamatsu Univ. School of Medicine · <sup>3</sup> Nagaoka Univ. of Technology · <sup>4</sup> The Univ. of Tokyo) ○HIRAKAWA, Kazutaka <sup>1</sup> · MIYAKE, Daiki <sup>1</sup> · MATSUI, Tomoki <sup>1</sup> · HIRANO, Toru <sup>2</sup> · NOSAKA, Yoshio <sup>3</sup> · NAKAZAKI, Jotaro <sup>4</sup> · SEGAWA, Hiroshi <sup>4</sup>	<b>3D02</b> Charge Recombination in Donor/Acceptor Polymer Blend Solar Cells Studied by Impedance Spectroscopy ( <sup>1</sup> Div. Mat. Sci., NAIST) ○BENTEN, Hiroaki <sup>1</sup> · KUBOTA, Shota <sup>1</sup> · SUZUKI, Junya <sup>1</sup> · KOJIMA, Hirotaka <sup>1</sup> · JUNG, Min-Cherl <sup>1</sup> · NAKAMURA, Masakazu <sup>1</sup>	<b>9:20</b>
<b>3C03</b> Supramolecular Porphyrin J-Aggregates Based on Elaborate Molecular Design ( <sup>1</sup> Kyoto Institute of Tech) ○MORISUE, Mitsuhiko <sup>1</sup> · UENO, Ikuya <sup>1</sup>	<b>3D03</b> Voltage losses due to charge recombination in nonfullerene acceptor based polymer solar cells ( <sup>1</sup> Kyoto Univ. · <sup>2</sup> JST-PRESTO) ○TAMAI, Yasunari <sup>1,2</sup> · SAITO, Toshiharu <sup>1</sup> · NATSUDA, Shinichiro <sup>1</sup> · OHKITA, Hideo <sup>1</sup>	<b>9:40</b>
<b>3C04</b> Biomimetic model of dye-assembling light-harvesting antenna using “caged-chlorophyll” ( <sup>1</sup> Ritsumeikan Univ., Graduate School of Life Sciences) ○MATSUBARA, Shogo <sup>1</sup> · TAMIAMI, Hitoshi <sup>1</sup>	<b>3D04</b> pH responsive photosensitization of P-porphyrin complexes containing axial amino groups ( <sup>1</sup> Univ. of Miyazaki) ○MATSUMOTO, Jin <sup>1</sup> · UEZONO, Hidekazu <sup>1</sup> · SHIRAGAMI, Tsutomu <sup>1</sup>	<b>10:00</b>

	Room E	Room A	Room B
<b>Chair</b>	Tsuboi, Yasuyuki (Osaka City Univ.)	<b>KATO, Ryuzi (Nihon Univ)</b>	<b>YAMAJI, Minoru (Gunma Univ.)</b>
<b>10:20</b>	10:20–10:45 <b>3S04</b> “Size separation of colloiddally synthesized low toxic multinary semiconductor quantum dots using optical manipulation” (Nagoya Univ.) KAMEYAMA, Tatsuya)	<b>3A05</b> Selective excitation to vibrational first excited level studied by real-time vibrational spectroscopy ( <sup>1</sup> Kanagawa Univ.) ○HASHIMOTO, Sena <sup>1</sup> · YABUSHITA, Atsushi <sup>1</sup> · IWAKURA, Izumi <sup>1</sup>	<b>3B05</b> Crystalline-state chemiluminescence property of adamantylideneadamantane 1,2-dioxetanes with a conjugated chromophore ( <sup>1</sup> The Univ. of Electro-Communications · <sup>2</sup> Tokyo Tech · <sup>3</sup> Jichi Medical Univ.) ○MATSUHASHI, Chihiro <sup>1</sup> · UEKUSA, Hidehiro <sup>2</sup> · SATO-TOMITA, Ayana <sup>3</sup> · MAKI, Shojiro <sup>1</sup> · HIRANO, Takashi <sup>1</sup>
<b>10:40</b>	10:45–11:10 <b>3S05</b> “Infrared optical detection devices utilizing plasmon-induced optical trapping” (Hokkaido Univ.) UENO, Kosei	<b>3A06</b> Time-Resolved Spectroscopic Study of Photo-Excited Charge Carrier Dynamics in Hematite Photo-Electrodes ( <sup>1</sup> Chuo Univ.) ○SOHN, Woon Yong <sup>1</sup> · KATAYAMA, Kenji <sup>1</sup>	<b>3B06</b> Translational motion of azobenzene crystals induced by monochromatic light ( <sup>1</sup> AIST (AIST)) ○SAITO, Koichiro <sup>1</sup> · OHNUMA, Mio <sup>1</sup> · NORIKANE, Yasuo <sup>1</sup>
<b>11:00</b>	11:10–11:40 <b>3S06</b> “Creation of structured materials with angular momentum of light” (Chiba Univ.) ○MATSU, Takashige	<b>3A07</b> Electron transfer processes from excited naphthalene diimide radical anions in intensely interacting aromatic imide molecules ( <sup>1</sup> Osaka Univ.) ○FUJITSUKA, Mamoru <sup>1</sup> · KAWAKAMI, Hiroki <sup>1</sup> · LU, Chao <sup>1</sup> · MAJIMA, Tetsuro <sup>1</sup>	<b>3B07</b> Effects of substrate’s surface on photoinduced motion in azobenzene crystals ( <sup>1</sup> Univ. of Tsukuba · <sup>2</sup> AIST (AIST)) ○HAYASHINO, Masaru <sup>1,2</sup> · NAKANO, Miki <sup>2</sup> · TAKADA, Naoki <sup>2</sup> · NORIKANE, Yasuo <sup>1,2</sup>
<b>11:20</b>		<b>3A08 JPA Award for Young Scientist 2018 Award Lecture</b> Photochemical dynamics of organic solids revealed by femtosecond time-resolved spectroscopy (Ehime Univ.) Yukihide Ishi bashi	<b>3B08</b> Short-wave infrared emitting polymer dots: fluorescence brightness and polymer chain packing ( <sup>1</sup> KAUST · <sup>2</sup> Tokyo Tech) PIWONSKI, Hubert <sup>1</sup> · MICHINOBU, Tsuyoshi <sup>2</sup> · ○HABUCHI, Satoshi <sup>1</sup>
<b>11:40</b>	<b>Lunch Break (–13:00)</b> <b>11:50–12:50 Luncheon Symposium on Gender Equality and Young Researchers [Room C]</b>		
<b>13:00</b>	<b>PL02 JPA Special Lectureship Award 2019</b> <b>Progress and Future Perspectives of Photovoltaics Based on Organic Inorganic Halide Perovskites</b> <b>Tsutomu Miyasaka (Toin Yokohama Univ.) [Room D]</b>		
<b>Chair</b>		<b>ISHIBASHI, Yukihide (Ehime Univ.)</b>	
<b>13:50</b>		<b>3A09</b> Collective polymer motion near the glass-transition temperature disclosed by single-molecule fluorescence spectroscopy beside thermal analysis ( <sup>1</sup> Fac. Sci., Josai Univ.) ○ISHIKAWA, Mitsuru <sup>1</sup> · TAKAHASHI, Taihei <sup>1</sup> · HAYASHI, Yu-ichiro <sup>1</sup> · UWADA, Takayuki <sup>1</sup>	
<b>14:10</b>		<b>3A10</b> Many-body gas phase reaction in femtosecond laser filament: Laser-field intensity dependence ( <sup>1</sup> Grad. Sc. Sci., Nagoya U · <sup>2</sup> RCMS, Nagoya Univ.) ○MATSUDA, Akitaka <sup>1</sup> · TANI, Kentaro <sup>1</sup> · KUBO, Chiaki <sup>1</sup> · HASHIGAYA, Kasumi <sup>1</sup> · HISHIKAWA, Akiyoshi <sup>1,2</sup>	
<b>14:30</b>		<b>3A11</b> Formation of gel-like structures via laser-induced agglomeration of colloidal nanoparticles ( <sup>1</sup> Graduate School of Natural Science and Technology, Shimane Univ. · <sup>2</sup> Shimane Univ. Interdisciplinary Faculty of Science and Engineering) ○TSUJI, Takeshi <sup>1,2</sup> · KANEKO, Miki <sup>2</sup> · FUJIWARA, Moeto <sup>2</sup>	

Room C	Room D	
<b>HIRAKAWA, Kazutaka (Shizuoka Univ.)</b>	<b>SAKAMOTO, Masanori (Kyoto Univ.)</b>	<b>Chair</b>
<b>3C05</b> Hydrogen peroxide Generation via Two Electron Water Oxidation Catalyzed by Zinc-Porphyrin ( <sup>1</sup> Dept. Appl. Chem. and Center for Artificial Photosynthesis, Tokyo Metropolitan Univ. · <sup>2</sup> Dept. Chem., Tokyo Tech · <sup>3</sup> Dept. Appl. Chem. Cochin Univ. of Sci Tech) ○SEBASTIAN, Abin <sup>1</sup> · KUTTASSERY, Fazalurahman <sup>2</sup> · OSAKI, Yutaka <sup>1</sup> · REMELLO, Sebastian Nybin <sup>3</sup> · TACHIBANA, Hiroshi <sup>1</sup> · INOUE, Haruo <sup>1</sup>	<b>3D05</b> Observation of Charge Separation in Organic Solar Cell using Two-color Time-resolved EPR Spectroscopy ( <sup>1</sup> Kobe Univ. Mol. PhotoSci. Res. Center · <sup>2</sup> Kobe Univ. · <sup>3</sup> Hiroshima Univ.) ○HAMADA, Morihiko <sup>1</sup> · OYAMA, Shinya <sup>2</sup> · OSAKA, Itaru <sup>3</sup> · TACHIKAWA, TAKASHI <sup>1,2</sup> · KOBORI, Yasuhiro <sup>1,2</sup>	<b>10:20</b>
<b>3C06</b> Quantum laser control of pi-electron ring current in polycyclic aromatic hydrocarbons ( <sup>1</sup> Ton Duc Thang Univ.) ○MINEO, Hirobumi <sup>1</sup> · FUJIMURA, Yuichi <sup>1</sup>	<b>3D06</b> Methylene-bridged Thiophene-fused Porphyrin Sensitizer for High-Performance Dye-Sensitized Solar Cells ( <sup>1</sup> Graduate School of Engineering, Kyoto Univ. · <sup>2</sup> WPI-iCeMS, Kyoto Univ.) ○HIGASHINO, Tomohiro <sup>1</sup> · KURUMISAWA, Yuma <sup>1</sup> · NIMURA, Shimpei <sup>1</sup> · TSUJI, Yukihiko <sup>1</sup> · IYAMA, Hitomi <sup>1</sup> · IMAHORI, Hiroshi <sup>1,2</sup>	<b>10:40</b>
<b>3C07</b> Dispersion and photo-induced precipitation of nano carbon materials by dialkylheterocorodianthrones ( <sup>1</sup> Chiba Univ. · <sup>2</sup> Univ. of Malaya) ○TAKAHARA, Shigeru <sup>1</sup> · KAKUGAWA, Keiji <sup>1</sup> · MIMURO, Kento <sup>1</sup> · SEKI, Yuki <sup>1</sup> · MATSUNAGA, Kazuki <sup>1</sup> · KE, Yuting <sup>1</sup> · TAKEBAYASHI, Toma <sup>1</sup> · NINOYU, Masaya <sup>1</sup> · LEE, VannajanSanghiran <sup>2</sup>	<b>3D07</b> Optically-induced selective halogen exchange of lead halide perovskite crystal ( <sup>1</sup> Hokkaido Univ., Research Institute for Electronic Science · <sup>2</sup> Hokkaido Univ., Graduate School of Environmental Science) ○YUYAMA, Ken-ichi <sup>1,2</sup> · ISLAM, Md Jahidul <sup>2</sup> · ISLAM, Md Shahjahan <sup>2</sup> · BIJU, Vasudevan Pillai <sup>1,2</sup>	<b>11:00</b>
	<b>3D08</b> Ion Dynamics Induces Single-Particle Photoluminescence Switching in Lead Halide Perovskites ( <sup>1</sup> Grad. Sch. Sci. · <sup>2</sup> Mol. PhotoSci. Res. Center) ○KARIMATA, Izuru <sup>1</sup> · KOBORI, Yasuhiro <sup>1,2</sup> · TACHIKAWA, Takashi <sup>1,2</sup>	<b>11:20</b>
<b>Lunch Break (-13:00)</b>		<b>11:40</b>
<b>11:50-12:50 Luncheon Symposium on Gender Equality and Young Researchers [Room C]</b>		
<b>PL02 JPA Special Lectureship Award 2019 Progress and Future Perspectives of Photovoltaics Based on Organic Inorganic Halide Perovskites Tsutomu Miyasaka (Toin Yokohama Univ.) [Room D]</b>		<b>13:00</b>
<b>UENO, Kosei (Hokkaido Univ.)</b>	<b>YUYAMA, Ken-Ichi (Hokkaido Univ.)</b>	<b>Chair</b>
<b>3C09</b> Thermophoresis-assisted optical trapping of single gold nanoshells ( <sup>1</sup> Osaka Univ. · <sup>2</sup> Hokkaido Univ.) ○SETOURA, Kenji <sup>1,2</sup> · TSUJI, Tetsuro <sup>1</sup> · ITO, Syoji <sup>1</sup> · KAWANO, Satoyuki <sup>1</sup> · MIYASAKA, Hiroshi <sup>1</sup>	<b>3D09</b> International standardization of evaluation method for perovskite solar cell ( <sup>1</sup> Kanagawa institute of industrial science and technology) ○MAGAINO, Shinichi <sup>1</sup> · SAITO, Hidenori <sup>1</sup> · AOKI, Daisuke <sup>1</sup>	<b>13:50</b>
<b>3C10</b> A single optically formed assembly of polystyrene particles and its transformation dynamics at solution surface ( <sup>1</sup> Naional Chiao Tung Univ. · <sup>2</sup> KULeuven · <sup>3</sup> Lund Univ.) LU, Jia-Syun <sup>1</sup> · BRESOLÍ OBACH, Roger <sup>2</sup> · LUIS, Boris <sup>2</sup> · KUDO, Tetsuhiro <sup>1</sup> · HOFKENS, Johan <sup>2</sup> · ○MASUHARA, Hiroshi <sup>1</sup>	<b>3D10</b> Highly Efficient NIR Luminescence of Yb <sub>3+</sub> doped Perovskite Thin Films for Electroluminescent Device Applications ( <sup>1</sup> Toin Univ. of Yokohama · <sup>2</sup> JST-PRESTO) ○ISHII, Ayumi <sup>1,2</sup> · MIYASAKA, Tsutomu <sup>1</sup>	<b>14:10</b>
<b>3C11</b> Optical Trapping of Thermoresponsive Polymer Chains using NASSCA Optical Tweezers ( <sup>1</sup> Grad. Sch. Sci., Osaka City Univ. · <sup>2</sup> The OCU Advanced Research Institute for Natural Science and Technology (OCARINA), Osaka City Univ.) ○SHOJI, Tatsuya <sup>1,2</sup> · NAGAI, Tatsuya <sup>1</sup> · TSUBOI, Yasuyuki <sup>1,2</sup>	<b>3D11</b> Wideband photoenergy conversion employing lead-free perovskite ( <sup>1</sup> The Univ. of Tokyo) ○KINOSHITA, Takumi <sup>1</sup> · KAKENO, Rentaro <sup>1</sup> · SEGAWA, Hiroshi	<b>14:30</b>

	Room E	Room A	Room B
14:50		<b>3A12</b> Nanoparticle formation by laser ablation of perylene microcrystals in aqueous solutions of sodium alkyl sulfates at various concentrations of the surfactants ( <sup>1</sup> Univ. of the Ryukyus) NEHA, Shigeto <sup>1</sup> · ○TAMAKI, Yoshiaki <sup>1</sup>	
15:20	Poster Presentation (Toyoda Auditorium) (-17:00) [3P] (Odd number 15:20-16:10, Even number 16:10-17:00)		

Room C	Room D	
<b>3C12</b> Aggregation and polymorphism controlled by optical trapping ( <sup>1</sup> NCTU · <sup>2</sup> NAIST) OSUGIYAMA, Teruki <sup>1,2</sup>		14:50
Poster Presentation (Toyoda Auditorium) (-17:00) [3P] (Odd number 15:20-16:10, Even number 16:10-17:00)		15:20