

Wednesday, September 11 (AM)

	Room A	Room B	Room C
9:00	Special Lecture I : The Japanese Photochemistry Association Lectureship Award (2013) KOSHIMA, Hideko (Ehime Univ.) “Solid-state Organic Photochemistry: from Motion of Molecules to Mechanical Motion of Crystals”		
9:35	[Room A]		
9:40	1A01 Conformational Orientation of Single Polymer Chain Studied by Super-Resolution Optical Microscopy (Kyoto Univ.) <u>AOKI, Hiroyuki</u> ; KURODA, Taiki	1B01 Individual Analysis of Mechano-Response of a Cultured Myoblast by Femtosecond Laser-Induced Impulsive Force (NAIST) <u>HOSOKAWA, Yoichiroh</u> ; SAKAGUCHI, Sayaka; IINO, Takanori	1C01 Photophysical Properties of T-Shaped π -Conjugated Molecules Based on Idazole Group (NAIST) <u>INOUCHI, Toshifumi</u> ; NAKASHIMA, Takuya; KAWAI, Tsuyoshi
10:00	1A02 Fabrication of Fluorescently Labeled Diatom Silica Shells and Optical Data Storage (Yamagata Univ., JST-PRESTO) <u>HOTTA, Jun-ichi</u> ; HORIUCHI, Yuki	1B02 Template that Grows to Protein Crystal Produced by Photochemical Reaction (Gunma Univ.) <u>OKUTSU, Tetsuo</u> ; KUROIWA, Takashi; TAKASE, Yuta; IIZUKA, Shiori; UTSUMI, Maiko; HORIUCHI, Hiroaki	1C02 Solid-State <i>cis-trans</i> Photoisomerization of Azobenzenes (Univ. of Tokyo, Hokkaido Univ.) <u>UCHIDA, Ayano</u> ; TOYOTA, Taro; OGAWA, Keiichiro; HARADA, Jun
10:20	1A03 In Situ Sensing of Intracellular pH Using Autofluorescence Lifetime Imaging (Hokkaido Univ.) <u>NAKABAYASHI, Takakazu</u> ; ISLAM, Mdserajul; HONMA, Masato; OHTA, Nobuhiro	1B03 Intracellular Oxygen Measurements Based on the Phosphorescence Lifetime of Iridium Complexes (Gunma Univ.) <u>MASUDA, Tsuyoshi</u> ; MURAYAMA, Saori; YOSHIHARA, Toshitada; TOBITA, Seiji	1C03 Photochromism of [2.2]Paracyclophane-Bridged Bis(imidazole dimer) (Aoyama Gakuin Univ., JST-CREST) <u>MUTOH, Katsuya</u> ; ABE, Jiro
10:40	1A04 Fluorescence Behavior of Single Guest Molecules in Nanometer-Sized Droplets of Nonpolar Solvents (Osaka Univ.) <u>ITO, Syoji</u> ; IIDA, Atsushi; YASUDA, Masakazu; MIYASAKA, Hiroshi	1B04 Photosensitized Protein Damage by Using Three Kinds of Porphyrin Complexes with Different Redox Potentials (Shizuoka Univ., Hamamatsu Univ. Sch. of Med.) <u>OUYANG, Dongyan</u> ; INOUE, Shiori; OKAZAKI, Shigetoshi; HIRAKAWA, Kazutaka	1C04 Effect of Substituents on the Mechanical Properties of Photoinduced Bending Crystals of Salicylideneanilines (Ehime Univ.) <u>MATSUDOMI, Masafumi</u> ; KOSHIMA, Hideko; YAMAOKA, Yohei
11:00	1A05 Photochemical Enhancement of Quantum Dots Photoluminescence (Kagawa Univ., AIST, JST-PRESTO) <u>HAMADA, Morihiko</u> ; TAKENOKOSHI, Norifumi; WAKIDA, Shin-ichi; NAKANISHI, Shunsuke; BIJU Vasudevanpillai	1B05 DNA Recognition can Control the Singlet Oxygen Generation Photosensitized by Anthrylporphyrin (Shizuoka Univ., Univ. of Tsukuba, Hamamatsu Univ. School of Medicine) <u>HIRAKAWA, Kazutaka</u> ; NISHIMURA, Yoshinobu; ARAI, Tatsuo; OKAZAKI, Shigetoshi	1C05 Crystal Structure and Photophysical Properties of a Diaroylmethanoboron Pifluoride Possessing the [2,2]Paracyclophane Moiety (Osaka Pref. Univ.) <u>TANAKA, Mirai</u> ; MURAOKA, Shunsuke; SAKAI, Atsushi; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi

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Room D	Room E	
Special Lecture I : The Japanese Photochemistry Association Lectureship Award (2013) KOSHIMA, Hideko (Ehime Univ.)		9:00
[Room A]		9:35
1D01 Energy Transfer and Near-Infrared Luminescence of Lanthanide Tb(III)-Yb(III) Clusters (Hokkaido Univ.) <u>NAKANISHI,</u> <u>Takayuki</u> ; SUZUKI, Yuki; FUSHIMI, Koji; HASEGAWA, Yasuchika		9:40
1D02 Control of the Excited State and Photosensitizing Property in a Cationic Iridium Complex with Ligands of 2-(2-pyridyl)benzo[<i>b</i>]thiophene (Univ. of Tokyo) <u>TAKIZAWA,</u> <u>Shin-ya</u> ; SHIMADA, Kengo; MURATA, Shigeru		10:00
1D03 Photo-Induced Hydrogen Evolution by σ -Phenylenediamine 3d-Metal Complexes (Hokkaido Univ.) <u>UENO, Show</u> ; KOBAYASHI, Atsushi; KATO, Masako		10:20
1D04 Photochemical CO ₂ Reduction Catalyzed by Dinuclear Ruthenium Complexes Connected with Peptides (Kitasato Univ., JST-PRESTO) <u>KURAMOCHI, Yusuke</u> ; MATSUURA, Kousuke; YOSHIDA, Makoto; KAMIYA, Masaya; ISHIDA, Hitoshi		10:40
1D05 Photophysical Properties and Photocatalytic Systems of Structurally Restricted Re(I) Complexes (Tokyo Tech, AIST) <u>MORIMOTO,</u> <u>Tatsuki</u> ; IMORI, Daisuke; TANAKA, Marina; ROHACOVA, Jana; KOIKE, Kazuhide; ISHITANI, Osamu		11:00

11:20	1A06 Photon Antibunching Behavior of a Single Quantum Dot - Gold Nanoparticle System -Distance Control by AFM Manipulation- (Kwansei Gakuin Univ., Kyoto Univ.) <u>KANETAKA, Keisuke</u> ; SATO, Ryota; TERANISHI, Toshiharu; MASUO, Sadahiro	1B06 An Approach to Photosynthetic Primary Processes by Using SEMO Method - Calculation of Geometry Optimization and Consideration of Electronic Excitation Transitions on the PSI Reaction Center in Cyanobacteria (Shinshu Univ., Toyama Univ.) <u>SUZUKI, Satoshi</u> ; NISHIKIORI, Hiromasa; UMEZAKI, Masahito; ONO, Shin	1C06 Control of Solid-State Photoreactivity of Azobenzene Derivatives in Photoswitching Type Cobaloxime Complexes (Tokyo Tech) <u>SEKINE, Akiko</u> ; YAMAGIWA, Hiroki; UEKUSA, Hidehiro
11:40	1A07 Spectral Changes in Surface Enhanced Fluorescence Induced by Plasmonic Ultrafast Deexcitation Process (AIST, Univ. of Tokyo, Kwansei Gakuin Univ.) <u>ITOH, Tamitake</u> ; YAMAMOTO, S., Yuko; TAMARU, Hiroharu; BIJU Vasudevanpillai; MURASE, Norio; OZAKI, Yukihiro	1B07 Effect of Background Light Intensity on the Behavior of M Intermediates in the Photocycle of Bacteriorhodopsin (Tokyo Tech) <u>OHTANI, Hiroyuki</u> ; OIKAWA, Kentaro; IKUSHIMA, Eiji	1C07 Optical Manipulation of Micro-Objects in Liquid Crystal Films Including Push-Pull Substituted Azobenzene Derivatives (Kumamoto Univ., JST-CREST) <u>KUWAHARA, Yutaka</u> ; ODA, Takahiro; IZUMI, Ryo; MA, Su; OGATA, Tomonari; KIM, Sunnam; KURIHARA, Seiji
12:00	1A08 Plasmonic Spectroscopy and Photochemistry Using Non-Plasmonic Metals (Hokkaido Univ., NIMS) <u>IKEDA, Katsuyoshi</u> ; HU, Jian; UOSAKI, Kohei	1B08 Time Resolved EPR Study on Structure of the Primary Charge-Separated State in the Photosynthetic Reaction Center of Photosystem II (Kobe Univ., Shizuoka Univ., Tokyo Tech, Nagoya Univ.) <u>KOBORI, Yasuhiro</u> ; YAMASHITA, Yukimi; KONDO, Toru; MINO, Hiroyuki	1C08 Photocontrol of Microtubule Functions with Amphiphilic Azobenzene Derivatives (Hokkaido Univ., RIKEN) <u>FUKAMINATO, Tsvoshi</u> ; KAMEI, Takashi; SHIMA, Tomohiro; OKADA, Yasushi; TAMAOKI, Nobuyuki
12:20	Break (12:20-13:20)		
Wednesday, September 11 (PM)			
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13:20	1A09 Control of Electrical Property of Molecular Crystals by Using Light and Electric Fields (Hokkaido Univ.) IIMORI, Toshifumi Award Lecture V The 12th JPA Award for Young Photochemists	1B09 Dissolution and Light-Induced Aggregation of Nanocarbon Analogue by Using Photo-Cleavable Surfactant (Gunma Univ.) <u>HORIUCHI, Hiroaki</u> ; TAKEUCHI, Naoya; UEHARA, Hiroki; TANAKA, Hidekazu; YAMANOBE, Takeshi; OKUTSU, Tetsuo	1C09 Crosslinking of DNA Duplex via [2+2] Cycloaddition of Stilbene Derivatives (Nagoya Univ.) <u>DOI, Tetsuya</u> ; SAKAKIBARA, Takumi; KASHIDA, Hiromu; ASANUMA, Hiroyuki
13:40	1A10 Ionic Valence Change of Metal ions in Solution by Femtosecond Laser Excitation Accompanied by White Light Laser (Toyota Riken, Toyota Central R&D Labs. Inc., Osaka City Univ.) <u>NAKASHIMA, Nobuaki</u> ; YAMANAKA, Ken-ichi; YATSUHASHI, Tomoyuki	1B10 Photochromic Solubilizer Of Carbon Nanotube (Chiba Univ.) <u>TAKAHARA, Shigeru</u> ; NINOYU, Masaya; OKUDA, Shiori; KONDO, Atsushi; KARATSU, Takashi	1C10 Wavelength Control of the Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate Mediated by β -Cyclodextrin Dimers (Osaka Univ., Sichuan Univ., UIC) <u>YAMAUCHI, Masahito</u> ; MATSUSHITA, Ryohei; YANG, Cheng; FUKUHARA, Gaku; NISHIJIMA, Masaki; MORI, Tadashi; INOUE, Yoshihisa

1D06 Photocatalytic CO ₂ Reduction using a Hybrid Between Ring-Shaped Rhenium(I) Tetranuclear Complex and a Polyoxometalate (Tokyo Tech, AIST) <u>ASATANI, Tsuyoshi</u> ; KOIKE, Kazuhide; ISHITANI, Osamu		11:20
1D07 Metal Ion-Assisted Formation of an Extremely Long-Lived Charge-Separated State in a Porphyrin-Flavin Dyad (Univ. of Tsukuba, Kyushu Univ. Osaka Univ., JST-ALCA) <u>KOBAYASHI, Ryosuke</u> ; ISHIZUKA, Tomoya; NAKANISHI, Tatsuaki; OHKUBO, Kei; KOTANI, Hiroaki; SHIOTA, Yoshihito; YOSHIZAWA, Kazunari; FUKUZUMI, Shunichi; KOJIMA, Takahiko		11:40
1D08 Photo-Responsive Magnetic Properties of Valence Tautomeric Co Di-Nuclear Complexes (Kyushu Univ.) <u>KANEGAWA, Shinji</u> ; NARAZAKI, Yu; KANG, Soonchul; SATO, Osamu		12:00
Break (12:20-13:20)		12:20
Wednesday, September 11 (PM)		
Room D	Room E	
1D09 Molecular Design and Synthesis of Fluorescence PET (Photo-Induced Electron Transfer) Sensors for Detection of a Trace Amount of Water in Organic Solvents (Hiroshima Univ.) <u>OOYAMA, Yousuke</u> ; UENAKA, Koji; MATSUGASAKO, Ai; HARIMA, Yutaka; OHSHITA, Joji	<u>Symposium 1</u> Photo-functional Metal Complexes for Future Photo-science and Technology 【Organizer】 HASEGAWA, Yasuchika (Hokkaido Univ.) 13:25-13:50 Opening Remark HASEGAWA, Yasuchika (Hokkaido Univ.)	13:20
1D10 Thermoresponsive Phosphorescent Color Change Using Efficient Thermally Activated Energy Transfer with a Large Energy Difference (Tokyo Univ. of Agri. Tech., Tokyo Tech) <u>TOTANI, Kenro</u> ; OKADA, Yuya; HIRATA, Shuzo; VACHA, Martin; WATANABE, Toshiyuki	<i>Chairperson : KITAMURA, Noboru (Hokkaido Univ.)</i> 13:25-13:50 “Light and Metallic Complexes: An Aspect on Recent Progress of Research and Development” TOKUMARU, Katsumi (FLEC, AIST)	13:40

14:00	1A11 Hydrophilic or Hydrophobic Carbon Nanoparticle Generation on Benzene/water Interface with Femtosecond Laser Generated Plasma Filaments (Osaka City Univ.) <u>HAMAGUCHI, Tomoyuki</u> ; YATSUHASHI, Tomoyuki	1B11 Preparation of Nanoparticle Colloids of Organic Semiconductors; Solvent-Dependence of the Dispersion Stability (Ehime Univ., Shinshu Univ., Dainichiseika Color & Chemicals Mfg. Co.,Ltd.) <u>JEON, Hyeon-Gu</u> ; HARAMIISHI, Shuya; MIYAZAWA, Jun; ICHIKAWA, Musubu; OGUMA, Naomi; ASAHI, Tsuyoshi; IHORI, Haruo; FUJII, Masaharu	1C11 Supramolecular Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate with Proteins and Protein-Polymer Hybrids as Chiral Reaction Medias-4 (Tohoku Univ., Univ. of Tsukuba, Osaka Univ.) MINATO, Sakie; OKUGI, Noboru; KATAMACHI Jinya; SAKAMOTO, Seiji; ARAKI, Yasuyuki; IKEDA, Yutaka; NISHIJIMA, Masaki; NAGASAKI, Yukio; INOUE, Yoshihisa; WADA Takehiko
14:20	1A12 Light Emission Induced by A Laser Temperature Jump in Mixtures of Water and Organic Solvents (Tohoku Univ.) <u>TOYOUCHI, Shuichi</u> ; KAJIMOTO, Shinji; FUKUMURA, Hiroshi	1B12 Control of the Agglomeration-Fusion Process of Gold Nanoparticles Using Laser Irradiation (Kyushu Univ., AIST, Hokkaido Univ.) <u>TSUJI, Takeshi</u> ; HIGASHI, Yuuma; YAHATA, Tatsuya; TSUJI, Masaharu; IGAWA, Kazunobu; ISHIKAWA, Yoshie; KOSHIZAKI, Naoto	1C12 Aerobic Photooxidative C-C Bond Formation between Tertiary Amines and Carbon Nucleophiles (Gifu Pharmaceutical Univ.) <u>YAMAGUCHI, Tomoaki</u> ; FUJIYA, Akitoshi; TADA, Norihiro; ITOH, Akichika
14:40	1A13 A Study on the Freezing Point of Single Supercooled Water Droplets in Air by Means of Laser Trapping and Raman Spectroscopy (Hiroshima Univ., Hokkaido Univ.) <u>ISHIZAKA, Shoji</u> ; YAMAUCHI, Kunihiro; FUJIWARA, Terufumi; KITAMURA, Noboru	1B13 Nanoscale Cooling Effects by Substrates and the Surrounding Media for A Single Gold Nanoparticle Under CW Laser Heating (Univ. of Tokyo) <u>SETOURA, Kenji</u> ; OKADA, Yudai; WERNER, Daniel; HASHIMOTO, Shuichi	1C13 Photochemistry of Nitrobenzene Derivatives (Kanazawa Univ.) HORIKAWA, Takahiro; WATANABE, Yurie; KAKUTANI, Miwa; FUKUYOSHI, Shuichi; ODA, Akifumi; <u>NAKAGAKI, Ryoichi</u>
15:00	1A14 Femtosecond Plasmonic Optical Tweezer for Polymer Systems (Hokkaido Univ., JST-PRESTO, Osaka Pref. Univ., Tokyo Tech.) <u>TSUBOI, Yasuyuki</u> ; SHOJI, Tatsuya; SAITO, Junki; KITAMURA, Noboru; NAGASAWA, Fumika; MURAKOSHI Kei; ISHIHARA, Hajime; MATSUMURA, Yuriko	1B14 Plasmonic Nanobubble Dynamics on Excitation of Aqueous Colloidal Gold Nanoparticles Observed by Picosecond Transient Spectroscopy (Univ. of Tokushima, Osaka Univ.) <u>HASHIMOTO, Shuichi</u> ; KATAYAMA, Tetsuro; MIYASAKA, Hiroshi; SETOURA, Kenji; WERNER, Daniel	1C14 Photochemical Reaction of Flavone and NaBH ₄ at Organic-Aqueous Interface Using a Laser Microreactor (AIST, Univ. of Tsukuba) <u>OUCHI, Akihiko</u> ; HYUGANO, Takeshi; KANEDA, Masayuki; SUZUKI, Toshiaki
15:20	1A15 Two-Photon Resonance Mediates Enhanced Optical Trapping of Doped Dielectric Nanoparticles (National Chiao Tung Univ) <u>KITTIRAVECHOTE, Aungtinee</u> ; CHIANG, Wei-Yi; USMAN, Anwar; LIAU, Ian; MASUHARA, Hiroshi	1B15 Photochemical Behavior of Porphyrin-Coordinated Gold Nanoparticles Modulated by Contact Geometry (Kyoto Univ., Univ. of Tsukuba, AIST) <u>SAKAMOTO, Masanori</u> ; TANAKA, Daisuke; FURUBE, Akihiro; TERANISHI, Toshiharu	1C15 Photoinduced Electron Transfer in a Supramolecular Complex of Zinc Chlorin Carboxylate Anion with Li ⁺ @C ₆₀ Affording the Long-Lived Charge-Separated State (Osaka Univ., JST-ALCA) <u>KAWASHIMA, Yuki</u> ; OHKUBO, Kei; MASE, Kentaro; FUKUZUMI, Shunichi

1D11 Photoreversible On-Off Recording of Persistent Room Temperature Phosphorescence (Tokyo Univ. of Agri. Tech., Tokyo Tech) <u>KATSURADA, Yuuki</u> ; HIRATA, Shuzo; TOTANI, Kenro; VACHA, Martin; WATANABE, Toshiyuki	<i>Chairperson : ISHITANI, Osamu (Tokyo Tech)</i> 13:50-14:15 “Chemical Conversion of Light Energy Catalyzed by Metal Complexes” INOUE, Haruo (Tokyo Metropolitan Univ.)	14:00
1D12 High luminance Bio-Penetrating Near-Infrared Mechanoluminescent Material (AIST) <u>TERASAKI, Nao</u> ; TERASAWA, Yujin; KAMIMURA, Sunao; XU, Chao-nan	<i>Chairperson : NOZAKI, Koichi (Toyama Univ.)</i> 14:15-14:40 “Wideband Dye-Sensitized Solar Cells Based on S-T Transition of Heavy Metal Complexes” SEGAWA, Hiroshi (Univ. of Tokyo)	14:20
1D13 Formations of Fullerene-Graphene and Fullerene-Nanotube-Graphene Composites and Their Photoelectrochemical Properties (Kyoto Univ.) <u>UMEYAMA, Tomokazu</u> ; BAEK, Jinseok; TEZUKA, Noriyasu; MORITA, Kazuki; IMAHORI, Hiroshi	<i>Chairperson : HASEGAWA, Miki (Aoyama Gakuin Univ.)</i> 14:40-15:05 “The Frontiers of Luminescent Metal Complexes Exhibiting Chromic Phenomena” KATO, Masako (Hokkaido Univ.)	14:40
1D14 Electrochemiluminescence-Based AC-Driven Novel Light-Emitting Device and Its Reaction Mechanism (Chiba Univ.) <u>NOBESHIMA, Taiki</u> ; NAKAMURA, Kazuki; KOBAYASHI, Norihisa	<i>Chairperson: TAMIYAKI, Hitoshi (Ritsumeikan Univ.)</i> 15:05-15:30 “Application of Luminescent Metal Complexes to Life Science Research” TOBITA, Seiji (Gunma Univ.)	15:00
1D15 Design of Light-Starting Irreversible Thermosensors Using Thiophene-Oxidized Diarylethenes (Osaka City Univ.) <u>KOBATAKE, Seiya</u> ; SHOJI, Hiroaki; KITAGAWA, Daichi	15:30-15:35 Closing Remark ISHIDA, Hitoshi (Kitasato Univ.)	15:20

15:40	1A16 Simultaneous Irradiation of Intense Trapping Laser and Weak Fluorescence Excitation Light Induced Extended Phase Separation of Fluorescence-Labeled Thermo-Responsive Polymer (National Chiao Tung Univ., Nara Women's Univ.) <u>MIURA, Atsushi</u> ; LIN, Po-Yu; <u>TSENG, Chin-Hsu</u> ; IWAI, Kaoru; MASUHARA, Hiroshi	1B16 Fluorescence Enhancement of Porphyrin near Plasmonic Copper Regularly Nanostructures (Nihon Univ., Nagasaki Univ., Univ. of Shiga Pref) <u>SUGAWA, Kosuke</u> ; TAMURA, Takahiro; TAHARA, Hironobu; AKIYAMA, Tsuyoshi	1C16 Generation and its Dynamics of Phenothiazine Trimer Radical Cation by Intramolecular Photo-Induced Electron Transfer (Osaka City Univ., Toyama Univ., Kyoto Inst. Tech.) <u>KARIMATA, Ayumu</u> ; SUZUKI, Shuichi; MASATOSHI, Kozaki; KIMOTO, Kenshi; NOZAKI, Koichi; MATSUSITA, Hironori; IKEDA, Noriaki; OKADA, Keiji
16:00	1A17 Fluorescence Spectral Change of Perylene during the Solvent-Casting Process of Polymer Films (Shinshu Univ.) <u>ITO, Fuyuki</u> ; YAMAMOTO, Kazuki	1B17 Remarkable Magneto-Optical Properties of EuS-Au Nano-Aggregates Assisted by Surface Plasmon Resonance (Hokkaido Univ., Kyoto Univ.) <u>KAWASHIMA, Akira</u> ; NAKANISHI, Takayuki; FUJITA, Koji; TANAKA, Katsuhisa; KOIZUMI, Hitoshi; FUSHIMI, Koji; HASEGAWA, Yasuchika	1C17 Synthesis of Macromolecular Wire and Application for Artificial Photosynthesis (Kansai Univ.) <u>AOTA, Hiroyuki</u> ; YOKOI, Eri; YASUDA, Hisayo; KAKU, Kouken; MURATA, Akira
16:20	1A18 Long-Range Energy Transfer Dynamics in A Polymerized PEG-DMA Film (Univ. North Carolina at Chapel Hil, Osaka City Univ.) <u>ITO, Akitaka</u> ; FANG, Zhen; BRENNAMAN, M. Kyle; MEYER, Thomas J.	1B18 Density-Functional Theory Understanding of Molecular Structured Solar Cells (Osaka Univ., Gifu Univ.) <u>YANAGIDA, Shozo</u> ; MANSEKI, Kazuhiro	1C18 Dependency of the Ring Cyclization Quantum Yield on the Irradiation Wavelength in a New Push-Pull Diarylethene Photochrome (NAIST) <u>GALANGAU, Olivier</u> ; KAWAI, Tsuyoshi
16:40	1A19 Electron Transfer Dynamics of PbS-Au Hybrid Nanostructures (Kwansei Gakuen Univ., Univ. of Toronto., NAIST) <u>OKUHATA, Tomoki</u> ; KOBAYASHI, Yoichi; NONOGUCHI, Yoshiyuki; KAWAI, Tsuyoshi; TAMAI, Naoto	1B19 Controlling Facet of Anatase TiO ₂ for Manipulating Electron Transfer Processes to Enhance the Cell Performance in Dye-Sensitized Solar Cells (Tokyo Tech) <u>MAITANI, Masato</u> ; SUZUKI, Kohe; HASHIMOTO, Keitaro; MOCHIZUKI, Dai; SUZUKI, Eiichi; WADA, Yuji	1C19 Synthesis of Photoswitchable Fluorescent Diarylethene Derivatives -Substituent Effect on the Fluorescence in Polar Solvents (Rikkyo Univ.) <u>TAKAGI, Yuta</u> ; MORIMOTO, Masakazu; IRIE, Masahiro
17:00	1A20 Novel Cleavage Reaction of Carbohydrate Protecting Group Induced by Vibrational Excitation (Kanagawa Univ.) <u>IWAKURA, Izumi</u> ; ORISAKU, Keiko; YAMAMURO, Risa; KOIDE, Yoshihiro; AKAI, Shoji	1B20 Local Analysis of Characteristics and Kinetics of Dye-Sensitized Solar Cells by Means of a Photocurrent Microscopy (Shizuoka Univ.) <u>MITSUMI, Masaaki</u> ; KAWANO, Yuya; MATSUO, Takeshi	1C20 Photochromism of Diarylethenes Having Nitrogen-Containing Ligands and their Complexation Behaviors (Yokohama National Univ.) <u>TAKAGI, Kazuya</u> ; HIROMOTO, Yuma; ISHII, Katsuhiko; UBUKATA, Takashi; YOKOYAMA, Yasushi
17:20	1A21 Vibrational Dynamics of the CO Stretching of 9-Fluorenone Studied by Visible-Pump and IR-Probe Spectroscopy (Kobe Univ.) <u>FUKUI, Yuki</u> ; KONDO, Minako; OHTA, Kaoru; TOMINAGA, Keisuke	1B21 Control of Physical Properties of TiO ₂ -TCNX Surface Complex Solar Cells: Dependence on the Aromatic Ring (Univ. of Tokyo) <u>FUJISAWA, Jun-ichi</u> ; NAGATA, Morio; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi	1C21 Charge Generation and Recombination Dynamics in Crystalline Polymer Solar Cells (Kyoto Univ., JST-PRESTO) <u>TSUDA, Kazuki</u> ; TAMAI, Yasunari; OHKITA, Hideo; BENTEN, Hiroaki; ITO, Shinzaburo

1D16 Thermoswitchable Emission and Coloration of a Composite Material Containing a Luminescent Lanthanide(III) Complex and Fluoran Dye (Chiba Univ.) <u>NAKAMURA, Kazuki</u> ; KANAZAWA, Kenji; KOBAYASHI, Norihisa	(Break)	15:40
1D17 Highly Efficient Green organic Light-Emitting Diodes Containing Luminescent Tetrahedral Copper(I) Complexes (RIKEN, CANON) <u>OSAWA, Masahisa</u> ; IGAWA, Satoshi; HASHIMOTO, Masashi; KAWATA, Isao; YASHIMA, Msataka	<u>Symposium 2</u> Construction of Photofunctional Nanobiomaterials and the Interfacial Photochemistry <i>~Technologies for Next-Generation Medical Diagnoses and Biomeasurements~</i> 【Organizer】 TAGAYA, Motohiro (Nagaoka Univ. Tech.) MOTOZUKA, Satoshi (Gifu Nat. College Tech)	16:00
1D18 Temperature Dependent Luminescence Property of the Chain Compound Consisted of Helical Rare Earth Complexes and Asymmetrical Dicarboxylate Unit. (Aoyama Gakuin Univ.) <u>SATO, Saki</u> ; HASEGAWA, Miki	16:00-16:05 Opening Remark TAGAYA, Motohiro (Nagaoka Univ. Tech.) <i>Chairperson : WADA, Hiroyuki</i> (Tokyo Tech)	16:20
1D19 Excimer Emission Behavior of Cyclometalated Platinum(II) Complexes Bearing Various Substituents on Their Phenylpyridine Ligands (Osaka Pref. Univ.) <u>OKAMURA, Naoki</u> ; YAGI, Shigeyuki; MAEDA, Takeshi; NAKAZUMI, Hiroyuki	16:05-17:00 “Adsorption and Decomposition of Biological Molecules at the Surface of Titanium Oxide Photocatalyst” NOSAKA, Yoshio (Nagaoka Univ. Tech.) <i>Chairperson : MOTOZUKA, Satoshi</i> (Gifu Nat. College Tech)	16:40
1D20 Photochemical Behavior of Densely-Adsorbed and Non-Aggregated Porphyrin Intercalated into the Inorganic Layered Materials (Tokyo Metropolitan Univ., JSPS, Shimane Univ.) <u>FUJIMURA, Takuya</u> ; ONODERA, Shingo; TACHIBANA, Hiroshi; INOUE, Haruo; SASAI, Ryo; SHIMADA, Tetsuya; TAKAGI, Shinsuke	16:35-17:00 “Analysis of Biointerfaces by Scanning Probe Microscopy and near Field Optics” HAYASHI, Tomohiro (Tokyo Tech)	17:00
1D21 Catalytic Properties of Metal Complexes Formed on Bipyridine-PMO as a Solid Ligand (Toyota Central R&D Labs., Inc.) LIU, Xiao; GOTO, Yasutomo; MAEGAWA, Yoshifumi; SHIRAI, Soichi; WAKI, Minoru; <u>INAGAKI, Shinji</u>	17:00-17:20 “Nanomechanical Membrane-type Surface Stress Sensor (MSS) ~ Application to In-Situ Monitoring of Photo Polymerization ~” YOSHIKAWA, Genki (NIMS, MANA) <i>Chairperson: TAGAYA, Motohiro</i> (Nagaoka Univ. Tech.) 17:20-17:45 “Optical Properties and Biomedical Application of Luminescent Nanoparticles Prepared by Laser Ablation in Liquid” WADA, Hiroyuki (Tokyo Tech)	17:20

17:40	1A22 Coupling and Coherence of CdTe/CdSe Core/Shell Nanocrystals Revealed by Two-Dimensional Electronic Spectroscopy (Univ. of Toronto, Case Western Reserve Univ.) <u>KOBAYASHI, Yoichi</u>; CHUANG, Chi-hung; BURDA, Clemens; SCHOLLES, Gregory	1B22 Fabrication and Photofunctional Properties of Metalloporphyrin Organic Thin Films. (Toho Univ.) <u>UEMURA, Shuhei</u>; YUI, Miki; PAC, Chyongjin; MORIYAMA, Hiroshi	1C22 Mechanistic Investigation on Cascade Light-Harvesting Processes Evolved in Multichromophoric Dendrimers (Shizuoka Univ.) <u>TAKAHASHI, Masaki</u>; NUMATA, Yuki; TAKEKAWA, Kohei; SENGOKU, Tetsuya; YODA, Hidemi
18:00	1A23 Photoexcited Carrier Dynamics at Photocatalyst Surface Studied by Ultrafast Infrared Spectroscopy (NIMS) <u>NOGUCHI, Hidenori</u>; ITO, Mikio; UOSAKI, Kohei	1B23 Organic Solar Cells Using Amorphous Molecular Materials as Electron Donors (Ryukyus Univ., Fukui Univ. Tech., Kansai Elec. Power Co., Osaka Univ.) KAGEYAMA, Hiroshi; MIYAGI, Eisuke; UMEDA, Takao; SUEHIRO, Taku; NOMURA, Yasuhiro; KATO, Wataru; KITAGAWA, Shoichi; NARITA, Norihiko; MATSUO, Takehiko; OHMORI, Yutaka; <u>SHIROTA, Yasuhiko</u>	1C23 Energy Transfer Reaction in a Complex Composed of Organic Cavitand and Clay Nanosheet (Tokyo Metropolitan Univ., JSPS, Miami Univ.) <u>ISHIDA, Yohei</u>; SHIMADA, Tetsuya; RAMAMURTHY, Vaidhyanathan; TAKAGI, Shinsuke
18:20	Poster Presentation 1P001 – 1P098 [Room P1, P2, P3, P4]		
20:00			

1D22 Development of Organic/Inorganic Hybrid Materials that can Form Long-Survived Stable Radicals (Niigata Univ.) <u>MATSUBARA, Kazuki</u> ; SATO, Mitsuhiro; SAITO, Kenji; YAGI, Masayuki; YUI, Tatsuto	17:45-18:05 “New Development for Lanthanide Phosphors; Functions and Uses for Drug Delivery System (DDS)” JIN, Tetsuro (AIST)	17:40
1D23 Evaluation of Water Purification by Si-Doped TiO ₂ under Photoirradiation (Gunma Univ.) <u>SUGITA, Tsuyoshi</u> ; MORI, Masanobu; IWAMOTO, Shinji; ITABASHI, Hideyuki	18:05-18:20 “Synthesis of Photofunctional Nanoparticles toward Bio-Related Applications” SHIBA, Kota (MANA, NIMS)	18:00
Poster Presentation 1P001 – P098 [Room P1, P2, P3, P4]		18:20 20:00