

Friday, September 13 (AM)

	Room A	Room B	Room C
9:00	Special Lecture II : The Japanese Photochemistry Association Lectureship Award (2013) MISAWA, Hiroaki (Hokkaido Univ.) “Towards Nanostructure-enhanced Photoenergy Conversion in the Plasmonic Chemical Reaction field”		
9:35		[Room A]	
9:40	3A01 Studies on the Mechanism of TiO ₂ Photocatalytic Reactions (Osaka Univ.) TACHIKAWA, Takashi Award Lecture VI The 12th JPA Award for Young Photochemists	3B01 Synthesis of Visible Light Responsive Photocatalyst Doped with Metal Ion by Sol-Gel Method (Yamaguchi Univ.) <u>YAMAZAKI, Suzuko</u> ; FUJIWARA, Yuhei; ADACHI, Kenta	3C01 Spectroscopic Analysis of Interaction between Lectin Protein and Water-Soluble Phosphorous Porphyrin Containing Axial Glucosyl Ligands (Miyazaki Univ.) <u>MATSUMOTO, Jin</u> ; SATO, Shunsuke; SHIRAGAMI, Tsutomu; YASUDA, Masahide
10:00	3A02 Photoinduced Electron Transfer and Photoelectrochemical Properties of Supramolecules of Lithium Encapsulated Fullerene and Porphyrin Derivatives (Osaka Univ., JST-ALCA, Keio Univ.) <u>OHKUBO, Kei</u> ; KAWASHIMA, Yuki; SAKAI, Hayato; HASOBE, Taku; FUKUZUMI, Shunichi	3B02 Characterization of Phosphorus-Doped Titanium(IV) Oxide Film Prepared Using a Phosphide Compound (Fukuoka Univ.) <u>YAMADA, Keiji</u> ; IWASE, Motoki; YASUMITSU, Ayaka; KAMIMURA, Yoshika; KURISAKI, Tsutomu; WAKITA, Hisanobu; YAMAGUCHI, Toshio	3C02 Supramolecular Nanostructure of Self-Aggregates of Zinc Chlorophyll Derivatives and their Properties (Ritsumeikan Univ.) <u>SHOJI, Sunao</u> ; TAMIAKI, Hitoshi
10:20	3A03 (Cancelled)	3B03 Plasmonic Enhancement and Size Dependence of Quantum Dot-Sensitized Photocurrents (Univ. of Tokyo) <u>TATSUMA, Tetsu</u> ; KAWAWAKI, Tokuhisa	3C03 Synthesis and Evaluation of New Caged Compound Using Thiochromone Derivatives (NAIST) SASAKI, Yasuo; <u>NISHIYAMA, Yasuhiro</u> ; SUGIURA, Ryo; HISAI, Terunobu; KAKIUCHI, Kiyomi
10:40	3A04 Spin-Sorted Photoelectron Transfer of Triphenylamine-Pt-Porphyrin-Naphthalimide Triads (Osaka City Univ., Toyama Univ., Kyoto Inst. of Tech., Tohoku Univ.) <u>OKADA, Keiji</u> ; SUGIMURA, Ryouji; SUZUKI, Shuichi; KOZAKI, Masatoshi; KIMOTO, Kenshi; SATO, Tsubasa; NOZAKI, Koichi; SHIMIZU, Hiroki; IKEDA, Noriaki; AKIYAMA, Kimio	3B04 Plasmon-Assisted Water Splitting with Visible Light Irradiation Using Gold Nanoislands Loaded Strontium Titanate (Hokkaido Univ., JST-PRESTO) <u>ZHONG, Yuqing</u> ; MORI, Yuko; SHI, Xu; OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki	3C04 Modulation of the Luminescence Property of Thiazolopyrazine Fluorophores Based on the Cypridina Bioluminescence-Emitter (Univ. of Electro-Communications, Gunma Univ.) <u>HIRANO, Takashi</u> ; NAKAGAWA, Tatsuki; SASA, Makiko; MAKI, Shojiro; NIWA, Haruki; YAMAJI, Minoru

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Room D	Room E	
	Special Lecture II : The Japanese Photochemistry Association Lectureship Award (2013) MISAWA, Hiroaki (Hokkaido Univ.) [Room A]	9:00 9:35
3D01 Aerobic Oxidation by Supported Au-Cu Bimetallic Alloy Nanoparticles with Regenerable Activity by Visible Light Irradiation (Osaka Univ.) <u>SHIRAI SHI, Yasuhiro;</u> SUGANO, Yoshitsune; TSUKAMOTO, Daijiro; HIRAI, Takayuki	<u>Symposium 4</u> Young and Spirited Scientists : Up-to-date Researches on the Interactions between Photons and Molecules 【Organizer】 YAMADA, Hiroko (NAIST) <i>Chairperson : MASUO, Sadahiro (Kwansei Gakuin Univ.)</i> 9:40-10:00 “Luminescent Nano-Probes upon X-ray Irradiation” OSAKADA, Yasuko (Kyoto Univ.) 10:00-10:20 “Transient Microspectroscopy of Single Organic Microcrystals” ISHIBASHI, Yukihide (Ehime Univ.) 10:20-10:40 “Application of Arylborane Compounds to Photoreduction of Carbon Dioxide” SAKUDA, Eri (Hokkaido Univ.)	9:40 10:00 10:20 10:40
3D02 Growth Mechanism and Photoelectrochemical Properties of Wurtzite-Type Copper Zinc Tin Sulfide Nanoparticles (Nagoya Univ., Osaka Univ.) <u>NISHI, Hiroyasu;</u> KUWABATA, Susumu; TORIMOTO, Tsukasa		
3D03 Solar-Driven Hydrogen Production from Water with p-CuO Photocathode (Chubu Univ., Kyushu Univ.) <u>ZAHRAN, Zaki;</u> MÖHAMED, Eman; OHTA, Takehiro; NARUTA, Yoshinori		
3D04 Composite Effects of Visible-Light-Driven Photocatalysts with CuBi ₂ O ₄ (Nagaoka Univ. Tech.) <u>NISHIKAWA, Masami;</u> YUTO, Soichiro; HASEGAWA, Takahiro; NOSAKA, Yoshio		

11:00	3A05 Charge Recombination Processes in OPV Material Based on Diketopyrrolopyrrole Polymer: Highly sensitive Transient Absorption Study (Nihon Univ., AIST, IMRE, Shiv Nadar Univ.) KATOH, Ryuzi; MATSUZAKI, Hiroyuki; FURUBE, Akihiro; SONAR, Prashant; SUBRAMANIAN, Sandhya; WILLIAMS, Evan; CHELLAPAN, Viji; GORELIK, Sergey; HOBLEY, Jonathan; SINGH, Samarendra	3B05 Plasmon-Induced Radiation Force Using a Nanogap Gold Chain Structure Irradiated by Far-Infrared Light (Hokkaido Univ., JST-PRESTO) UENO, Kosei; ITOH, Hiroko; NAKANO, Wakako; NOZAWA, Sho; MISAWA, Hiroaki	3C05 Photoinduced Electron Transfer Reaction of Perylenediimides Organized on DNA (Univ. of Hyogo, Osaka Univ.) <u>TAKADA, Tadao</u> ; ASHIDA, Akane; NAKAMURA, Mitsunobu; KAWAI, Kiyohiko; FUJITSUKA, Mamoru; MAJIMA, Tetsuro; YAMANA, Kazushige
11:20	3A06 Electron Injection Efficiency of Ru-Dye/TiO ₂ System in Presence of Three Different Organic Solvents: a Femtosecond Transient Absorption Study (AIST, Nihon Univ.) <u>MAHANTA, Subrata</u> ; FURUBE, Akihiro; MATSUZAKI, Hiroyuki; MURAKAMI, Takurou; MATSUMOTO, Hajime; KATOH, Ryuzi	3B06 Selective Excitation of Multipolar Plasmonic Modes and Analysis of the Field Enhancement Effect (Hokkaido Univ.) <u>SASAKI, Keiji</u> ; SAKAI, Kyosuke; NOMURA, Kensuke; YAMAMOTO, Takeaki	3C06 Photophysical Properties of Up-Conversion Based on Triplet-Triplet Annihilation in Hydrophobic DNA (Shizuoka Univ.) <u>KAWAI, Hideki</u> ; ITO, Jun; MATSUMOTO, Shinya
11:40	<p style="text-align: center;">Break (11:40-12:40)</p> <p style="text-align: center;">Gender equality event, lunch meeting (11:45-12:35) [Alumni Association Hall, 2F-Salon]</p>		

Friday, September 13 (PM)

	Room A	Room B	Room C
12:40	3A07 Interfacial Electron-Transfer Dynamics in Zinc Phthalocyanine-Sensitized Solar Cells (AIST, Shinshu Univ.) <u>MATSUZAKI, Hiroyuki</u> ; FURUBE, Akihiro; MURAKAMI, Takurou; MASAKI, Naruhiko; KIMURA, Mutsumi; MORI, Shogo	3B07 Metal-Free Nonlinear Absorbers with an Ultralow Power Threshold (Tokyo Tech) <u>HIRATA, Shuzo</u> ; VACHA, Martin	3C07 Addition of α -Aminoalkyl Radicals to Nitrones Driven by Photoinduced Electron Transfer (Shinshu Univ.) <u>ITO, Kennosuke</u> ; SUGA, Hiroyuki
13:00	3A08 Effect of Alkyl-Chain Protection of Emitter Molecule on Triplet-Triplet Annihilation Up-Conversion Process (AIST, Kwansei Gakuin Univ., Shizuoka Univ.) SAKURAI, Akihiko; <u>KAMADA, Kenji</u> ; FUJIWARA, Yutaka; KOBAYASHI, Kenji	3B08 UV random Laser in a Diamond Nanoparticle Film (Hokkaido Univ.) <u>FUJIWARA, Hideki</u> ; NIYUKI, Ryo; SASAKI, Keiji	3C08 Reductive Radical Cyclization of Ally(2-Bromoaryl)ether via Photoinduced Electron Transfer (Univ. of Fukui) <u>YOSHIMI, Yasuharu</u> ; KANAI, Hirotomo

3D05 Photoinduced Charge Separation Using Alternating Layered Metal Oxides (Tokyo Tech) <u>MOCHIZUKI, Dai</u> ; KUMAGAI, Kozue; KISHIMOTO, Fuminao; MAITANI, Masato; SUZUKI, Eiichi; WADA, Yuji	11:00-11:20 “Photochromism of Bridged Imidazole Dimer” HATANO, Sayaka (Hiroshima Univ.)	11:00
	11:20-11:40 “Photoinduced Reversible Morphological Transformation of Diarylethene Supramolecular Assembly” HIGASHIGUCHI, Kenji (Kyoto Univ., JST PRESTO)	
3D06 Intercalation and Nanostructure of Polyfluoalkylazobenzene/ Niobate Hybrids (Tokyo Metropolitan Univ.) <u>NABETANI,</u> Yu; MATSUKURA, Shoichi; HORIGUCHI, Haruo; RAMAKRISHNAN, Vivek; TACHIBANA, Hiroshi; INOUE, Haruo		11:20
Break (11:40-12:40)		11:40
Gender equality event, lunch meeting (11:45-12:35) [Alumni Association Hall, 2F-Salon]		

Friday, September 13 (PM)

Room D	Room E	
3D07 Magneto-Optical Properties of Peptide Compounds (Univ. of Tokyo) <u>HATTORI, Shingo</u> ; AKAGAWA, Kengo; KUDO, Kazuaki; ISHII, Kazuyuki	<u>Symposium 5</u> New Challenge in Photochemistry for Artificial Photosynthesis with Solar Fuel Productio 【Organizer】 AMAO, Yutaka (Osaka City Univ. / JST PRESTO)	12:40
3D08 Self-Assembly and Biased Circularly Polarized Luminescence of Chiral Bichromophoric Perylenebisimides (NAIST, NIMS) <u>KUMAR, Jatish</u> ; NAKASHIMA, Takuya; TSUMATORI, Hiroyuki; MORI, Midori; NAITO, Masanobu; KAWAI, Tsuyoshi	12:40-12:45 Opening Remark AMAO, Yutaka (Osaka City Univ. / JST PRESTO) <i>Chairperson : AMAO, Yutaka (Osaka City University)</i> 12:45-13:15 “Development of Visible-Light-Responsive Photocatalysts for Solar Hydrogen Production” ABE, Ryu (Kyoto Univ.)	13:00

13:20	3A09 Time-Resolved EPR Study on the Photo-Excited Triplet State of Electron Donor Acceptor Complex Formed in the System of <i>fac</i> -tris[2-(4-octylphenyl)pyridinel] Ir(III) and Tetracene (Shizuoka Univ.) <u>FU, Zhebin</u> ; <u>MURAI, Hisao</u>	3B09 Photochemical Reaction of a Blue Light Sensor Protein PixD upon Two Photon Excitation (Kyoto Univ., Osaka Pref. Univ., Univ. of Tokyo) <u>KUROI, Kunisato</u> ; <u>TANAKA, Keisuke</u> ; <u>NAKASONE, Yusuke</u> ; <u>OKAJIMA, Koji</u> ; <u>IKEUCHI, Masahiko</u> ; <u>TOKUTOMI, Satoru</u> ; <u>TERAZIMA, Masahide</u>	3C09 Nitroxide-Mediated Photo-Living Radical Polymerization: Mechanisms and Applications (Toyohashi Univ. Tech.) <u>YOSHIDA, Eri</u>
13:40	3A10 Singlet Exciton Diffusion Dynamics in Poly(3-hexylthiophene) Crystalline Domains (Kyoto Univ., JST-PRESTO) <u>TAMAI, Yasunari</u> ; <u>MATSUURA, Yuu</u> ; <u>OHKITA, Hideo</u> ; <u>BENTEN, Hiroaki</u> ; <u>ITO, Shinzaburo</u>	3B10 Photouncaging Nanoparticles for Bioimaging (AIST, JST-PRESTO, Nagaoka Technological Univ., Nagoya Univ.) <u>BIJU, Vasudevanpillai</u> ; <u>SHIBU, Edakkattuparambil</u> ; <u>SUGINO, Sakiko</u> ; <u>YAMAMURA, Shohei</u> ; <u>WAKIDA, Shinichi</u> ; <u>SAITO, Hironobu</u> ; <u>NOSAKA, Yoshio</u> ; <u>ONO, Kenji</u> ; <u>SAWADA, Makoto</u>	3C10 Controlling Regiochemistry of [2+2] Photodimerization Using Encapsulation in a Macroyclic Compound (Shibaura Inst. Tech.) <u>NAKAMURA, Asao</u> ; <u>WARASHINA, Shotaro</u> ; <u>UTSUGI, Yoshiki</u> ; <u>IRIE, Hiromi</u> ; <u>IMAI, Kohei</u>
14:00	3A11 Excited-State Dynamics of Zinc Phthalocyanine Moieties Embedded in a Framework of Periodic Mesoporous Organosilicas (Toyota Central R&D Labs., Inc) <u>YAMANAKA, Ken-ichi</u> ; <u>ODA, Masafumi</u> ; <u>TANI, Takao</u> ; <u>INAGAKI, Shinji</u>	3B11 A Single-Molecule Study on Polymer Diffusion in a Melt State: Effect of Chain Topology (KAUST, Tokyo Tech) <u>HABUCHI, Satoshi</u> ; <u>FUJIWARA, Susumu</u> ; <u>YAMAMOTO, Takuya</u> ; <u>VACHA, Martin</u> ; <u>TEZUKA, Yasuyuki</u>	3C11 Meta-Photocycloadditions of Aromatic Lactones Having Carbonyl Group at the 2-Position of the Naphthalene Ring with Alkenes (Shimane Univ.) <u>USUDA, Ryusuke</u> ; <u>SHIRATORI, Hideo</u> ; <u>KUBO, Yasuo</u>
14:20	3A12 Steric Effect on Diffusion-Mediated Reactions in Porous Media (AIST) <u>SEKI, Kazuhiko</u> ; <u>TACHIYA, Masanori</u>	3B12 Laser Trapping-Induced Lysozyme Crystal Growth through Assembly Formation of its Clusters (ITRC, National Chiao Tung Univ.) <u>SUGIYAMA, Teruki</u> ; <u>TU, Jing-Ru</u> ; <u>YUYAMA, Ken-ichi</u> ; <u>MASUHARA, Hiroshi</u>	3C12 Photochemical Reaction of Fluorinated Diazaparacyclophane (Okayama Univ., Kyushu Univ.) <u>OKAMOTO, Hideki</u> ; <u>KOZAI, Tetsuya</u> ; <u>SHINMYOZU, Teruo</u> ; <u>SATAKE, Kyosuke</u>
14:40	3A13 Excited State of Substituted Nucleic Acid Bases and their Reactivity with Singlet Oxygen (Aoyama Gakuin Univ., Sophia Univ.) <u>SUZUKI, Tadashi</u> ; <u>ISOZAKI, Tasuku</u> ; <u>OHSUGA, Midori</u> ; <u>NANBU, Shinkoh</u>		3C13 Photochemical [2+2] Cycloaddition Reactions of Allyl Alcohols and Allyl Amines (Hiroshima Univ.) <u>FUJII, Yoshimi</u> ; <u>UCHIHASHI, Kengo</u> ; <u>ABE, Manabu</u>
15:00	Poster Presentation 3P001–3P098 [Room P1, P2, P3, P4]		
16:40			

3D09 Photophysical and Photochemical Properties of Chiral Perylenediimide Dimer (II) -The effect of Linker Structure on CD Spectrum (Tohoku Univ.) <u>ARAKI</u> , Yasuyuki; UEMATSU, Ryohei; SAKAMOTO, Seiji; WADA, Takehiko	13:15-13:45 “Understanding the Light-Harvesting Functions of Photosynthetic Antenna Pigment-Protein Complexes” HASHIMOTO, Hideki (Osaka City Univ.) 13:45-14:15 “Fabrication of Compound Thin Film Solar Cell by Chemical Processes” IKEDA, Shigeru (Osaka Univ.) <i>Chairperson : ABE, Ryu (Kyoto Univ.)</i>	13:20
3D10 Phototriggered Surface Relief formation due to Local Isomerization of Spirooxazine Film (Yokohama National Univ.) <u>UBUKATA</u> , Takashi; ARIMATSU, Kento; FUJII, Shohei; YOKOYAMA, Yasushi	14:15-14:45 “Development of Z-Scheme Photocatalysts for CO ₂ Utilization” ISHITANI, Osamu (Tokyo Tech.)	13:40
3D11 Carrier injection/Transport Characteristics in Photochromic Diarylethene Crystal Films (Osaka Kyoiku Univ.) <u>TSUJIOKA</u> , Tsuyoshi; MATSUI, Naoya	14:45-15:00 “Photosensitizer-enzyme Hybrid System for Molecular Conversion of Carbon Dioxide” AMAO, Yutaka (Osaka City Univ.)	14:00
3D12 Photoinduced Self-Epitaxial Crystal Growth of a Diarylethene Derivative with Superhydrophobic Lotus and Anti-Reflection Moth Eye Effects (Ryukoku Univ., Univ. of Tokyo, Mitsubishi Chemical Group, DNP Fine Chemicals, Osaka Kyoiku Univ., Asahikawa Medical Univ., Tokyo Univ. of Pharmacy and Life Sciences, RIKEN) <u>UCHIDA</u> , Kingo; NISHIKAWA, Naoki; SAKIYAMA, Shingo; YAMAZOE, Seiji; KOJIMA, Yuko; NISHIHARA, Ei-ichiro; TSUJIOKA, Tsuyoshi; MAYAMA, Hiroyuki; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro		14:20
3D13 In-Situ Observation of Photoinduced Mass Transport of Azobenzene-Based Molecular Glasses (Muroran Inst. Tech.) SUZUKI, Motoko; ICHIKAWA, Ryoji; MATSUI, Riku; <u>NAKANO</u> , Hideyuki		14:40
Poster Presentation 3P001–3P098 [Room P1, P2, P3, P4]		15:00 16:40