

# Poster Presentation: September 11 (Fri)

Odd number (15:40 - 16:30)

Even number (16:30 - 17:20)

【General Education Building, 3F】

- 3P001** Photochromic Behavior of Diarylethene Nanoparticle Colloids (Ehime Univ., Osaka Univ.) Y. Ishibashi · K. Masuda · Y. Ogura · H. Miyasaka · T. Asahi
- 3P002** A laser T-jump study on the phase separation dynamics of stereocontrolled poly(N,N-diethylacrylamide) in aqueous solutions (Osaka City Univ., Hokkaido Univ.) M. Matsumoto · T. Tada · T. Asoh · T. Shoji · Y. Tsuboi
- 3P003** Control of photon statistics in the emission from a single quantum dot using a silver-coated AFM tip (Kwansei Gakuin Univ.) H. Takata · S. Masuo
- 3P004** Photochromic reaction of spirooxazine nanoparticles in a polyvinyl alcohol film (Ehime Univ.) S. Fujimura · Y. Ogura · Y. Ishibashi · T. Asahi
- 3P005** Nanoparticle formation and crystal phase transition of copper phthalocyanine nanoparticles induced by pulselaser irradiation in solutions (Ehime Univ., Nara Inst. Sci. Tech.) R. Kihara · S. Imada · T. Kawai · T. Asahi
- 3P006** Sub-nanosecond transient absorption spectrometer based on high repetition rate supercontinuum white light source (Nihon Univ., UNISOKU Co., Ltd) T. Nakamura · T. Iwabuchi · T. Nakagawa · R. Katoh
- 3P007** Fluorescence dynamics of human D-aminoacid oxidase: Study of functional inhibitory effect (ILT) S. Taniguchi · H. Chsorowjan · F. Tanaka
- 3P008** Resonance optical trapping of individual dye-doped nanoparticles with blue- and red-detuned lasers (Taiwan National Chiao Tung Univ.) T. Kudo · H. Masuhara
- 3P009** Effects of carbon dioxide concentration on primary process of photosynthesis in cyanobacterium (Kobe Univ.) S. Ikeda · S. Aikawa · A. Kondo · S. Akimoto
- 3P010** Modification of excitation energy transfer processes in a green alga *Chlamydomonas reinhardtii* under different light qualities (Kobe Univ.) A. Sekido · S. Aikawa · A. Kondo · S. Akimoto
- 3P011** In vivo measurement of excitation energy transfer processes in a megacomplex in microalgae (Kobe Univ.) Y. Ueno · S. Aikawa · A. Kondo · S. Akimoto
- 3P012** Block-length dependence of time-resolved fluorescence in end-functionalized triblock copolymers consisting of poly(fluorene vinylene) and oligo(phenylene) vinylene (Gunma Univ., Tokyo Metropolitan Univ.) M. Asano · D. Kagota · M. Koinuma · T. Haque · A. Inagaki · K. Nomura
- 3P013** Photophysical properties of UVA/UVB broadband sunscreens in micellar environments (Gunma Univ.) A. Yanashima · T. Kimura · M. Onozawa · T. Yoshihara · S. Tobita
- 3P014** Development of red-emitting iridium complexes for blood-oxygen level measurements (Gunma Univ.) C. Watanuki · T. Yoshihara · S. Tobita
- 3P015** Local concentration elevation and crystallization of protein by photon pressure (Hokkaido Univ.) I. Yoshimatsu · A. Miura · N. Kitamura
- 3P016** Fluorescence properties of Thioflavin T included by cyclodextrins (Hamamatsu Photonics) H. Satozono
- 3P017** Mechanism of Fast Response Vapochromism in Dye-sensitized Nanocrystalline Semiconductor Films (Nihon Univ.) R. Ishizaki · R. Katoh
- 3P018** Single nanoparticle spectroscopy of fluorescence diarylethene derivative (Ehime Univ., Kumamoto Univ.) S. Sasaki · T. Watanabe · T. Asahi · T. Fukaminato
- 3P019** Observation of Au Nanostructures by Dark-Filed Microscopy under Electrochemical Potential Control (Hokkaido Univ.) S. Oikawa · A. Ohnuki · N. Kimura · H. Minamimoto · K. Murakoshi
- 3P020** Vapochromism of dye molecules adsorbed on TiO<sub>2</sub> single crystals (Nihon Univ.) R. Fukino · R. Katoh
- 3P021** Microenvironmental Dynamics and its Film Thickness Dependence of Polymer Probed by the Single-molecule Spectroscopy of Some Fluorescent Organic Dyes (Kyoto Institute of Technology) K. Oji · S. Machida · N. Ikeda
- 3P022** Comparing the UHV TERS spectra observed under low temperature and room temperature (Unisoku Co.Ltd., Kwansei Gakuin Univ., AIST) T. Suzuki · Y. Kitahaka · T. Itoh · Y. Ozaki
- 3P023** Study of Optical Property of Diarylethene Derivatives linked a Triplet Sensitizer (Saitama Univ.) R. Murata · Y. Minoshima · T. Yago · M. Wakasa

- 3P024** Direct observation of photoinduced electron transfer in hybrid nano-film of ruthenium tris-bipyridine complex and titanium oxide (Shinshu Univ.) S. Konishi · H. Usami
- 3P025** Fluorescence Dynamics of CT Complex Nanoparticles Composed of Carbazole Derivatives with TCNB (Kyoto Institute of Technology) S. Yasuda · S. Machida · N. Ikeda
- 3P026** Charge recombination kinetics in dye-sensitized solar cells in ionic liquid electrolytes (Chuo Univ., The Univ. of Electro-Communications) T. Nishimura · S. Kuwahara · Q. Shen · T. Toyoda · K. Katayama
- 3P027** Phase transition dynamics of liquid crystal induced by the host guest molecular interactions studied by the heterodyne transient grating method (Chuo Univ.) T. Sato · S. Kuwahara · K. Katayama
- 3P028** Investigation on the recombination dynamics in Sb<sub>2</sub>S<sub>3</sub> sensitized solar cells (Chuo Univ., The Univ. of Electro-Communications) M. Yamaguchi · S. Kuwahara · Q. Shen · T. Toyoda · K. Katayama
- 3P029** Universal mechanism of light-induced crystallization of protein (Gunma Univ.) D. Yokoyama · H. Horiuchi · T. Okutsu
- 3P030** Electrochemical in-situ Surface-Enhanced Raman Scattering Measurements of Strong Coupling between Dye Excitons and Localized Surface Plasmon Resonance (Hokkaido Univ.) F. Kato · Y. Wakisaka · F. Nagasawa · H. Minamimoto · K. Murakoshi
- 3P031** Effect of gold nanoparticles introduced into the donor/acceptor interface of bilayer organic photovoltaics (Tokushima Univ.) S. Hotta · Y. Tezuka · S. Hashimoto
- 3P032** Triplet sensitized  $\omega$ -cleavage of aromatic carbonyls containing five-membered rings studied by laser flash photolysis (Gunma Univ.) S. Fujino · M. Yamaji
- 3P033** Solvent effects on luminescence spectra of CdSe core quantum dots synthesized at room temperature (Josai Univ.) N. Nagashima · T. Uwada · M. Ishikawa
- 3P034** Light-Harvesting System by Utilizing Efficient Energy Transfer in Dipyrrin-Boronic Acid Conjugates (Univ. of Tsukuba, Osaka Prefecture Univ.) M. Yamamura · S. Yazaki · M. Seki · Y. Matsui · H. Ikeda · T. Nabeshima
- 3P035** Highly Efficient Paterno-Buchi Reaction using Flow Microreactor (Nara Inst. Sci. Tech.) Y. Nishiyama · M. Nakano · K. Terao · K. Kakiuchi
- 3P036** Theoretical Study on Photofunction of Ring-Shaped Thiophene Oligomers (Kumamoto Univ.) M. Sugimoto
- 3P037** Photochemical synthesis and photophysical properties of condensed coumarin derivatives studied by emission and transient absorption measurements (Gunma Univ., Okayama Univ.) Y. Hakoda · H. Okamoto · M. Yamaji
- 3P038** Novel synthetic push-pull type bacteriochlorin and its application to dye-sensitized solar cell (Kyoto Univ.) Y. Tsuji · T. Higashino · H. Imahori
- 3P039** Development of photolabile protecting groups with two-photon absorption ability for physiological studies (Hiroshima Univ., AIST, Niigata Univ., CNRS) N. Komori · K. Kamada · K. Furukawa · C. Katan · M. Abe
- 3P040** Interaction of oligonucleotide with photoresponsive copolymer carrying a malachite green moiety (National Inst. of Tech., Nara College) T. Matsui · R. Uda
- 3P041** UV photodissociation of temperature-controlled gas-phase amino acid enantiomers complexed with chiral molecules (Osaka Prefecture Univ.) A. Fujihara · T. Sato · N. Maeda · S. Hayakawa
- 3P042** The effect of intramolecular hydrogen bond on photoreactivity of the caged compounds (Tsukuba Univ.) R. Sugimoto · T. Arai
- 3P043** Meta-photocycloadditions of Methyl 2-Naphthoate Derivatives with Styrenes (Shimane Univ.) H. Watabe · H. Shiratori · Y. Kubo
- 3P044** Substituent Effects upon Mechanofluorochromic Properties of Monosubstituted Pyrenes (Muroran Inst. Tech.) T. Ara · E. Nagata · H. Nakano
- 3P045** Photochemical Behavior of Aromatic Eneidyne Dendrimer Surrounded by Polyphenylene Group (Tsukuba Univ.) T. Kobayashi · Y. Nishimura · A. Momotake · T. Arai
- 3P046** Self-Assembly of 5,10-Disubstituted [5]Helicenes in Water or Nonpolar Solvents and Their Fluorescence Properties (Kyoto Univ.) T. Hirose · N. Ito · T. Sato · K. Matsuda
- 3P047** Studies on Photoluminescence Properties of Trioxotriphenylamine Derivatives (Osaka City Univ.) S. Suzuki · T. Ezaki · N. Tanaka · M. Kozaki · K. Okada
- 3P048** Systematic synthesis and optical properties of fused pi-electron imidazole compounds (Nagoya Inst. of Tech.) K. Ito · K. Takagi
- 3P049** Development of Spin-state Switching System Triggered by Photolysis (Hiroshima Univ.) C. Shimokawa · S. Hatano · M. Abe

- 3P050** Optimization of the photochemical hydrogen generation catalyzed by cobalt complexes in vesicles (The Univ. of Tokyo) M. Koike • S. Matsushima • S. Takizawa • S. Murata
- 3P051** The photodynamic property of silylporphyrin introduced mannose (Gunma Univ.) D. Suda • H. Horiuchi • T. Okutsu
- 3P052** Synthesis of Fullerene Derivatives with Thermally Removable Solubilizing Substituents and Their Application to Organic Photovoltaic Devices (Kyoto Univ.) S. Shibata • T. Umeyama • H. Imahori
- 3P053** Design of high-performanced derivatives in the chemiluminescence imidazopyrazinone system (The Univ. of Electro-Communications) N. Sugai • E. Hukushima • S. Maki • T. Hirano
- 3P054** Generation and Characterization of Triplet Di(9-anthryl)carbene Protected by Triptycyl Groups (Mie Univ.) R. Nakamura • K. Hirai • T. Kitagawa
- 3P055** Zinc porphyrin and rhenium complex hybrid system for CO<sub>2</sub> photo-reduction on p-type semiconductor (Tokyo Metropolitan Univ.) D. Yamamoto • Y. Kou • V. Nair • Y. Nabetani • H. Tachibana • H. Inoue
- 3P056** Substitution effect on solid-state ES IPT luminescence of imidazopyridine derivatives (IIS, Univ. of Tokyo) T. Mutai • H. Sawatani • T. Kato • I. Yoshikawa • H. Houjou • K. Araki
- 3P057** Mechanistic Studies on Diastereoselective [4+2]Cycloaddition upon Photo- and Thermal- Activations (Osaka Univ.) M. Ichikawa • T. Mori • G. Fukuhara • Y. Inoue
- 3P058** photochemical behavior of coumarin-urea derivatives with different substitution sites (Tsukuba Univ.) T. Shinoda • Y. Nishimura • T. Arai
- 3P059** Photochromic Properties of PABI Crystals (Waseda Univ.) J. Komiya • H. Koshima • T. Asahi
- 3P060** UV photodissociation of gas-phase tryptophan enantiomers in temperature-controlled and mass-selected L-amino acid clusters (Osaka Prefecture Univ.) N. Maeda • A. Fujihara • S. Hayakawa
- 3P061** Photochemical behaviors of riboflavin derivatives having hydrophobic substituents in vesicles (The Univ. of Tokyo) Y. Sato • N. Ikuta • S. Takizawa • S. Murata
- 3P062** Photochemistry and spectroscopic properties of hydroxychalcone derivatives (Tsukuba Univ.) Y. Shinozaki • T. Arai
- 3P063** Conformational changes in DNA and protection ability against DNase provided by malachite green copolymers (National Inst. of Tech., Nara College) T. Matsui • R. Uda
- 3P064** Photochemical behavior of spiropyran in ionic liquid/aprotic polar solvent mixed systems (Univ. of the Ryukyus) W. Ginoza • Y. Kanna
- 3P065** Visible light promoted metal free reduction reaction of organohalides by using naphthyl or hydroxynaphthyl substituted benzimidazoline derivatives (Niigata Univ.) E. Hasegawa • K. Mori • S. Tsuji • K. Nemoto • T. Ohta
- 3P066** Photoinduced Electron Transfer Reaction of Cinnamionitrile and Ketene Silyl Acetal in the Presence of Tetrabutylpyrene as a Sensitizer (Tokyo Inst. Tech.) N. Morishita • G. Konishi • K. Mizuno
- 3P067** Photocatalytic System for CO<sub>2</sub> Reduction with High Durability and Selectivity using Ru(II) Multinuclear Complexes (Tokyo Inst. Tech.) Y. Tamaki • O. Ishitani
- 3P069** Photophysical properties of dinuclear ruthenium(II) complex having acetylene-bridged 1,10-phenanthroline (Hokkaido Univ.) R. Takagi • K. Mochida • N. Kitamura
- 3P070** Solar Hydrogen Evolution using Reduced Graphene Oxide-incorporated Cu<sub>2</sub>ZnGeS<sub>4</sub> Photoelectrodes (Tokyo Univ. of Science) I. Honma • A. Iwase • S. Ikeda • A. Kudo
- 3P071** Photochromic effect and luminescence properties of Eu (III) polyoxometalate with organic ligand (Hokkaido Univ.) T. Okai • T. Nakanishi • Y. Kitagawa • K. Fushimi • Y. Hasegawa
- 3P072** Photoinduced electron transfer reaction sensitized by iridium complexes in vesicles (The Univ. of Tokyo) S. Komaru • S. Takizawa • S. Murata
- 3P073** Preparation and Circularly Polarized Luminescence of Chiral Europium Complexes Containing Binding Sites for Metal Ions (Nara Inst. Sci. Tech.) T. Nakagawa • J. Yuasa • T. Kawai
- 3P074** Plasmon-induced photocurrent generation using gallium nitride with gold nanostructure (Hokkaido Univ.) R. Masunaga • T. Oshikiri • K. Ueno • H. Misawa
- 3P075** Photocatalytic reduction of carbon dioxide in the mixture of supercritical water and carbon dioxide (Osaka City Univ.) N. Kometani • M. Chikada • S. Hirata
- 3P076** Preparation of ZnO nanocrystals by Photocatalytic Reaction (Shinshu Univ., Nagano Prefecture General Industrial Technology Center, Shinshu Univ.) N. Harata • S. Nagaya • H. Nishikiori
- 3P077** Photochemical behavior of anionic iridium complexes with benzene-1,2-dithiolate (The Univ. of Tokyo) R. Kanou • S. Takizawa • S. Murata

- 3P078** Reversible Photoinduced Shape Changes of Azobenzene-based Photochromic Amorphous Molecular Materials in Agar Gel (Muroran Inst. Tech.) R. Ichikawa · H. Nakano
- 3P079** Stepwise Two Photon Induced Photochromism of the Biphenyl-Bridged Bis(phenoxy-imidazolyl radical complex) (Aoyama Gakuin Univ., CREST) I. Yonekawa · K. Mutoh · Y. Kobayashi · J. Abe
- 3P080** Fluorescent Photochromic Diarylethenes that Turn on with Visible Light (Rikkyo Univ., Osaka Univ.) T. Kaburagi · T. Sumi · M. Morimoto · K. Une · H. Sotome · S. Ito · H. Miyasaka · M. Irie
- 3P081** Thermal bleaching reaction and optical properties of photochromic diarylethenes with benzothiophene-S,S-dioxide (Osaka City Univ.) S. Tanaka · S. Kobatake
- 3P082** Visible-light induced decomposition of monoethanolamine in water with graphitic carbon nitride (Kanagawa Univ., AIST) S. Wachi · T. Sano · H. Hori
- 3P083** Stereoselective Photocyclization of Photochromic Molecules Having the Benzo[b]phosphole Oxides (Nara Inst. Sci. Tech.) S. Iijima · T. Nakashima · T. Kawai
- 3P084** Temperature dependence of the energy transfer between CdTe quantum dots (Osaka City Univ.) T. Ito · D. Kim
- 3P085** Excited state localized within a super-resolved area achieved by using photo-isomerization of diarylethene derivatives (Osaka Univ., Rikkyo Univ.) T. Ikegami · S. Ito · H. Miyasaka · K. Uno · Y. Takagi · M. Morimoto · M. Irie
- 3P086** Indium-vapor deposition on the amorphous diarylethene surface (Osaka Kyoiku Univ.) S. Matsumoto · T. Tsujioka
- 3P087** Isomerization of diarylethene molecules induced by an electrostatic method (Osaka Kyoiku Univ.) K. Yamamoto · T. Tsujioka
- 3P088** Origin of Mg vapor deposition modulation on photochromic diarylethene crystal surfaces (Osaka Kyoiku Univ., Ryukoku Univ.) K. Yamamoto · Y. Lin · K. Uchida · T. Tsujioka
- 3P089** Chiroptical Properties and Oligosaccharide-Sensing of Reporter-Modified Curdlans in Aqueous Media (Osaka Univ., Kyoto Prefectural Univ.) G. Fukuhara · M. Sasaki · H. Kurohara · M. Numata · T. Mori · Y. Inoue
- 3P090** Synthesis of silver nanoparticles within interlayer space of layered semiconductor and near-infrared absorption properties (Niigata Univ., Shimane Univ., Nagoya Univ.) S. Kawamura · K. Sasaki · H. Takagi · R. Sasai · W. Norimatsu · K. Saito · M. Yagi · T. Yui
- 3P091** Synthesis of EuS-CaS nanocrystals and their magneto-optical properties (Hokkaido Univ.) T. Nakanishi · A. Nakajima · Y. Kitagawa · K. Fushimi · Y. Hasegawa
- 3P092** Optical properties of ZnSe quantum dots prepared by a hydrothermal method (Osaka City Univ.) T. Maekawa · T. Taniguchi · D. Kim
- 3P093** Preparation and Observation of Gold Nanoparticles-Dyes Hybrid Complex (NIMS) M. Eguchi
- 3P094** Optical and electronical properties of fused pyrene trimers (Nara Inst. Sci. Tech., JST-CREST) A. Tamoto · N. Aratani · H. Yamada
- 3P095** Preparation of CuInS<sub>2</sub> quantum dots by a hydrothermal method (Osaka City Univ.) K. Iida · H. Yokota · H. Bu · D. Kim
- 3P096** Crystal Structure and Fluorescence Behavior of N,N'-Bis(1-naphthylmethyl)-diaz-18-crown-6 (Hokkai-Gakuen Univ.) K. Kubo
- 3P097** Optical properties of layered structures of CdSe quantum dots (Osaka City Univ.) K. Ohshiro · M. Hizume · H. Yokota · D. Kim
- 3P098** Construction of all solid plasmon solar cell using the nickel oxide / gold nanostructures / strontium titanate (Hokkaido Univ.) H. Sawayanagi · K. Nakamura · T. Oshikiri · K. Ueno · H. Misawa
- 3P099** Development of multilayer organic photovoltaic thin films via the photoprecursor approach (Nara Inst. Sci. Tech., Yamagata Univ.) M. Suzuki · Y. Yamaguchi · K. Nakayama · H. Yamada
- 3P100** Air stable photon upconversion in functional coordination networks (Kyushu Univ., JST-PRESTO) P. Mahato · N. Yanai · N. Kimizuka
- 3P101** Highly Dispersed Pd/Ag Bimetallic Nanocatalyst Confined in Mesoporous Silica for Efficient Plasmonic Catalysis under Visible Light Irradiation (Osaka Univ.) P. Verma · Y. Kuwahara · K. Mori · H. Yamashita