

28th International Conference on Photochemistry

ICP 2017

Session programme

Sessions

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Plenary Session – I

Chair: Michael Wasielewski

Hall: Cassin

17:30–19:00

Plenary-01

Jean-Pierre Sauvage (*Université de Strasbourg, France*)

From charge separation to light-driven molecular machines

Sunday

Plenary Session – II

Chair: Linda Peteanu

Hall: Cassin

08:30–09:15

Plenary-02

Kyung Byung Yoon (*Sogang University, Korea*)

Electrochemical and Molecular Approaches for Artificial Photosynthesis

09:15–10:00

Plenary-03

Nikolaus Ernsting (*Humboldt-Universität, Berlin, Germany*), Sergey Kovalenko, Alexander Dobryakov, Martin Quick

New views through old holes: looking for the perpendicular “phantom” state of photoisomerizing stilbene

Fundamental Photochemistry and Photophysics – I

Chair: Cornelia Bohne

Hall: Cassin

10:30–11:00

FundPP-INV-01

Bin Hu (*University of Tennessee, Knoxville, USA*)

Spin-dependent photophysics: magnetic field Effects in organic materials

11:00–11:20

FundPP-OR-01

X. Allonas (*University of Haute-Alsace, Mulhouse, France*), J. Christmann, V. Charlot, A. Ibrahim, C. Croutxé-Barghorn, C. Ley

Elucidation of the Key Role of $[\text{Ru}(\text{bpy})_3]^{2+}$ in Light-Mediated RAFT Polymerization

11:20–11:40

FundPP-OR-02

Sylvia Draper (*Trinity College Dublin, Ireland*), Yue Lu, Junsi Wang, Colin Caverly, Jinzhang Zhao

Shedding New Light on the Design of Polyaromatic Coordination Complexes as Triplet Photosensitisers

11:40–12:00

FundPP-OR-03

Roscini Claudio (*Catalan Institute of Nanoscience and Nanotechnology (ICN2), Barcelona, Spain*), Hernando Jordi, Ruiz-Molina Daniel, Massaro Giuseppina, Latterini Loredana

Thermally switchable upconversion emission

12:00–12:20

FundPP-OR-04

Stefanie Tschierlei (*Ulm University, Institute of Inorganic Chemistry, Ulm, Germany*), Martin Heberle, Michael Karnahl

Excited State Dynamics of Photoactive Copper(I) Photosensitizers with an Extended π -System

12:20–12:40

FundPP-OR-05

Oliver S. Wenger (*Department of Chemistry, University of Basel, Basel, Switzerland*), Laura A. Büldt, Christopher B. Larsen

Luminescent Cr(0) and Ni(0) complexes with chelating diisocyanides – alternatives to well-known Fe(II) and Cu(I) diimines

Photocatalysis, Solar Fuels and Solar Cells – I

Chair: Thomas Cottineau

Hall: Madrid

10:30–11:00

PSS-INV-01

Ryu Abe (*Kyoto University, Japan*)

Development of Mixed-Anion Semiconductors for Visible Light Induced Water Splitting

11:00–11:20

PSS-OR-01

S. Bernadet (*Direction Catalyse et Séparation, IFPEN-Lyon, Centre de Recherche Paul Pacal Pessac, France*), D.Uzio, A. Fecant, S. Ravaine, R. Backov

CO₂ photoreduction through TiO₂@SiO₂(HIPE) self-standing foams: a new paradigm of a real 3D photoconversion behavior

11:20–11:40

PSS-OR-02

Ainhoa Cots (*Universitat d'Alacant, Spain, Istituto di Tecnologie Avanzate per l'Energia Messina, Italy, Istituto de Carboquimica, Zaragoza, Spain*), Pedro Bonete, David Sebastián, Antonino Salvatore Aricò, Roberto Gómez

Toward Tandem Solar Cells for Water Splitting using polymer electrolytes

11:40–12:00

PSS-OR-03

Hye Won Jeong (*Kyungpook National University, Pusan, Korea*), Yiseul Park, Hyunwoong Park

Morphology-tailored fabrication of microdisc WO₃ arrays for improving Photoelectrochemical water oxidation

12:00–12:20

PSS-OR-04

Marcin Kobielsuz (*Jagiellonian University, Academic Center for Materials and Nanotechnology, AGF-University of Science and Technology, Krakow, Poland*), Mateusz Trochowski, Kacper Pilarczyk, Elżbieta Świętek, Konrad Szaciłowski, Wojciech Macyk

The influence of electronic states on the photocatalytic activity of titanium dioxide in reduction processes

12:20–12:40

PSS-OR-05

Tomoya Oshikiri (*Hokkaido University, Sapporo, Japan*), Kosei Ueno, Hiroaki Misawa

Quantitative evaluation of plasmon-induced ammonia photoelectrochemical synthesis

Molecular and Inorganic Materials – I

Chair: Dario Bassani

Hall: Londres

10:30–11:00

MIM-INV-01

Akshay Rao (*University of Cambridge, United Kingdom*), Alexandre Cheminal, Hannah L Stern, Andrew Musser, Maxim Tabachnyk, Marcus L. Böhm, Tom C Jellicoe

Singlet Exciton Fission in Organic Semiconductors

11:00–11:20

MIM-OR-01

Robert B. Pansu (*CNRS / ENS Paris Saclay, France*), Zhengyu Zhang, Arnaud Brosseau, Margaux Elie, Matthieu Hamel, Sylvain Gaillard

On the temperature dependence of the quenching by a few defects of TADF materials. Triplet versus Singlet FRET

11:20–11:40

MIM-OR-02

Elsa Cassette (*Princeton University, USA*), Silvia Pedetti, Benoît Mahler, Sandrine Ithurria, Benoît Dubertret, Gregory Scholes

Ultrafast dynamics of excitons and charge carriers in 2D colloidal semiconductor nanocrystals

11:40–12:00

MIM-OR-03

Kenji Kamada (*National Institute of Advanced Industrial Science and Technology, Japan*), Yusuke Sakagami, Aizitiaili Abulikemu, Toshiko Mizokuro, Hirokazu Ohsawa, Yutaka Fujiwara, Kenji Kobayashi, Kaishi Narushima, Shuzo Hirata, Martin Vacha

Triplet-triplet annihilation upconversion in binary solids fabricated by solution casting

12:00–12:20

MIM-OR-04

Aline Nonat (*Université de Strasbourg, France*), Chi Fai Chan, Tao Liu, Carlos Platas-Iglesias, Ka-Leung Wong, Loïc J. Charbonnière

Room temperature molecular up-conversion in solution with lanthanide self-assemblies

12:20–12:40

MIM-OR-05

Tadashi Mori (*Osaka University, Japan*), Masataka Toyoda, Tomoyo Kosaka, Yoshihisa Inoue, Yoshitane Imai

Experimental and theoretical studies on propeller chirality and toroidal interaction in heptaaryldipyrromethenes and hexaarylbenzenes

Photochemistry for Biophotonics and Photobiology – I

Chair: Loïc Charbonnière

Hall: Rome

10:30–11:00

Bio-INV-01

Thomas Gustavsson (*LIDYL, Laboratoire Interactions, Dynamiques et Lasers, CEA, CNRS, Université Paris-Saclay, Gif-sur-Yvette, France*)

Ultrafast fluorescence spectroscopy "lights up" biomolecular systems

11:00–11:20

Bio-OR-01

Akos Banyasz (*LIDYL, CNRS, CEA, Université Paris Saclay, Gif-sur-Yvette, France*), Tiia Maria Ketola, Dimitra Markovitsi

UV-induced reactions in DNA studied by transient absorption spectroscopy

11:20–11:40

Bio-OR-02

Corinna L. Kufner (*BioMolecular Optics and Center for Integrated Protein Science, Ludwig-Maximilians-Universität München, München, Germany*), Dominik B. Bucher, Alexander Schlueter, Thomas Carell, Wolfgang Zinth

UV-Induced Charge Separation in DNA and Sequence Selective Reactions

11:40–12:00

Bio-OR-03

Roberto Improta (*Istituto Biostrutture e Bioimmagini, Consiglio Nazionale delle Ricerche, Napoli, Italy*)

Photoinduced Charge Transfer processes in DNA: insights from Quantum Mechanical Calculations

12:00–12:20

Bio-OR-04

Yusuke Yoneda (*Graduate School of Engineering Science, Osaka University, Toyonaka, Osaka, Japan*), Tetsuro Katayama, Yutaka Nagasawa, Hiroshi Miyasaka, Yasufumi Umena

Energy Transfer Dynamics of Photosystem II Dimer Revealed by Femtosecond Transient Absorption Spectroscopy

12:20–12:40

Bio-OR-05

Pascal Didier (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Faculté de Pharmacie, Université de Strasbourg, Illkirch, France*), Avisek Ghose, Mateusz Rebarz, Oleg V. Maltsev, Lukas Hintermann, Cyril Ruckebusch, Eduard Fron, Johan Hofkens, Yves Mély, Panče Naumov, Michel Sliwa

Emission Properties of Oxyluciferin and its Derivatives in Water: Revealing the Nature of the Emissive Species in Firefly Bioluminescence

Plenary Session – III

Chair: Lluís Blancafort

Hall: Cassin

14:00–14:45

Plenary-04

Benedetta Mennucci (*University of Pisa, Italy*)

A quantum chemical view of the light-harvesting function in photosynthetic organisms

Monday

Molecular and Inorganic Materials – II

Chair: Chi-Ming Che

Hall: Londres

14:50–15:20

MIM-INV-02

Masako Kato (*Hokkaido University, Japan*)

Platinum complexes exhibiting intense luminescence and chromic phenomena

15:20–15:40

MIM-OR-06

Alberto Bossi (*CNR, Istituto di Scienze e Tecnologie Molecolari, Italy*), Alessandro Poma, Alessandra Forni, Clara Baldoli, Ivan Andreosso, Patrizia R. Mussini

Cyclometalated Pt(II) complex with bidentate Schiff-base ligand displaying unexpected cis/trans isomery

15:40–16:00

MIM-OR-07

Eleonora Garoni (*Università degli Studi di Milano, Italy*), Julien Boixel, Claudia Dragonetti, Alessia Colombo, Dominique Roberto, Véronique Guerchais

Cyclometallated Platinum(II) complexes with tunable luminescence and nonlinear optical properties

16:00–16:20

MIM-OR-08

Rémi Rouquette (*Université de Strasbourg, France*), Luisa De Cola

Luminescent platinum(II) complexes-polymer particles

Photochemistry for Biophotonics and Photobiology – II

Chair: Linda Peteanu

Hall: Cassin

14:50–15:20

Bio-INV-02

Andrey S. Klymchenko (*Université de Strasbourg, Laboratoire de Biophotonique et Pharmacologie, Illkirch, France*), Andreas Reisch, Kateryna Trofymchuk, Bohdan Andreiuk, Anne Runser, Pascal Didier, Yves Mely

Bright fluorescent polymer nanoparticles based on dyes: design, energy transfer and bioimaging applications

15:20–15:40

Bio-OR-06

Joanna Boucard (*Université de Nantes, CEISAM-UMR CNRS 6230, Nantes, France*), Christophe Blanquart, Thibaut Blondy, Lénaïc Lartigue, Eléna Ishow

Tailoring magneto-fluorescent nanoassemblies with tunable cell interactions for sensitive and spatially resolved multimodal bioimaging

15:40–16:00

Bio-OR-07

Kazuko Matsumoto (*Department of Applied Chemistry, Tokyo University of Technology, Tokyo, Japan*), Hiroko Kimura, Masahiro Mukaida, Ken-ichi Yoshida

Time-Resolved Lanthanide Imaging and Microarray: Towards Reliability and Quantification

16:00–16:20

Bio-OR-08

Seiji Tobita (*Department of Chemistry and Chemical Biology, Gunma University, Kiryu, Gunma, Japan*), Toshitada Yoshihara, Kiichi Mizukami, Yosuke Hirakawa, Mako Kamiya, Yasuteru Urano, Masaomi Nangaku

Oxygen imaging of living cells and tissues using phosphorescence lifetime imaging microscopy

New Concepts and Methods in Theoretical Photochemistry – I

Chair: Chantal Daniel

Hall: Rome

14:50–15:20

Theory-INV-01

Roland Mitric (*Institute for Physical and Theoretical Chemistry, Julius-Maximilians-Universität Würzburg, Germany*)

Light-induced nonadiabatic dynamics: From isolated molecules to molecular assemblies and light-harvesting nanostructures

15:20–15:40

Theory-OR-01

Thibaud Etienne (*Chimie Théorique, Méthodologies, Modélisation – Institut Charles Gerhardt, Université de Montpellier, France*), Antonio Monari, Xavier Assfeld

Light-induced electronic structure reorganization Topological insights

15:40–16:00

Theory-OR-02

Morgane Vacher (*Department of Chemistry – Ångström, Uppsala University, Uppsala, Sweden*), Anders M. Brakestad, Hans O. Karlsson, Ignacio Fdez. Galván, Roland Lindh

Dynamical insights in the chemiluminescent decomposition of 1,2-dioxetane

16:00–16:20

Theory-OR-03

Liam Wilbraham (*PSL Research University, Institut de Recherche de Chimie Paris IRCP, CNRS – Chimie ParisTech, Paris, France*), Marine Louis, Domenico Alberga, Clémence Alain, Rémi Métvier, Frédéric Labat, Ilaria Ciofini

Fluorescence in Crystalline and Amorphous Phases of Molecular Systems: A Theoretical Perspective

New Frontiers in Ultrafast Photochemistry – I

Chair: Pascale Changenet-Barret

Hall: Madrid

14:50–15:20

Ufast-INV-01

Yutaka Nagasawa (*College of Life Sciences, Ritsumeikan University, Kusatsu, Japan*),
Eisuke Takeuchi, Masayasu Muramatsu, Yusuke Yoneda, Tetsuro Katayama, Shohei Nambu,
Hiroshi Miyasaka

Vibrational Coherences in Photoinduced Charge Transfer Systems

15:20–15:40

Ufast-OR-01

Johanna Brazard (*Department of Chemistry, New York University, New York, United States*),
Laurie A. Bizimana, William P. Carbery, Tobias Gellen, Daniel B. Turner

Conical intersection in a highly fluorescent molecule unraveled by coherent wavepacket
evolution analysis

15:40–16:00

Ufast-OR-02

Alexandre Cheminal (*The Cavendish Laboratory, University of Cambridge, Cambridge, UK.*),
Hannah Stern, Karl Thorley, John Anthony, Akshay Rao, Richard H. Friend

Probing endothermic singlet fission in TIPS-tetracene with vibrational spectroscopy

16:00–16:20

Ufast-OR-03

Roland Wilcken (*LMU München, Lehrstuhl für BioMolekulare Optik, Germany*), Eberhard
Riedle

Microfluidic Mixer for Ultrafast Spectroscopy on Unstable Compounds

Fundamental Photochemistry and Photophysics – II

Chair: Jacek Waluk

Hall: Cassin

16:50–17:10

FundPP-OR-06

Yi Li (*Key Laboratory of Photochemical Conversion and Optoelectronic Materials, Beijing, China*), Yi Zeng, Li Li

Solid-state Triplet-triplet Annihilation Upconversion System by Using Aggregation-Induced Emission Acceptor

17:10–17:30

FundPP-OR-07

Gonzalo Angulo (*Polish Academy of Sciences, Warsaw, Poland*), Jadwiga Milkiewicz, Daniel Kattnig, Michał Nejbauer, Yuriy Stepanenko, Jan Szczepanek, Czesław Radzewicz, Paweł Wnuk, Günter Grampp

Influence of the excitation light intensity on the rate of fluorescence quenching reactions

17:30–17:50

FundPP-OR-08

Anatoly Ivanov (*Volgograd State University, Volgograd, Russia*), Tatiana Mikhailova, Valentina Mikhailova, Alexey Nazarov

Mechanisms and kinetic regularities of non-equilibrium ultrafast charge recombination

17:50–18:10

FundPP-OR-09

Raul Perez-Ruiz (*Instituto IMDEA-Energía, Madrid, Spain*)

Mechanistic Studies on the Activation of Aryl Bromides by Two-Photon Absorption Methodology

18:10–18:30

FundPP-OR-10

Arnulf Rosspeintner (*University of Geneva, Switzerland*), Gonzalo Angulo, Eric Vauthey

Bimolecular Electron Transfer in Liquid Solution - Diffusion Matters (Obviously)

Photocatalysis, Solar Fuels and Solar Cells – II

Chair: Ryu Abe

Hall: Madrid

16:50–17:10

PSS-OR-06

Hyunwoong Park (*School of Energy Engineering, Kyungpook National University, Daegu, Korea*)

A high efficiency solar conversion of CO₂ and water into formate and O₂ over a month using mixed oxide photoelectrodes

17:10–17:30

PSS-OR-07

Ana Primo (*Instituto de Tecnologia Quimica, Universidad Politecnica de Valencia, Spain*), Josep Albero, Hermenegildo Garcia

Oriented 200 Cu₂O nanoplatelets supported on few layers graphene as efficient visible light photocatalyst for overall water splitting

17:30–17:50

PSS-OR-08

Osamu Tomita (*Graduate School of Engineering, Kyoto University, JST-CREST Tokyo, Japan*), Hiroki Naito, Kohei Tsuji, Masanobu Higashi, Ryu Abe

Visible Light Driven Z-scheme Water Splitting with Transition Metal Substituted Polyoxometalates as Electron Mediators

17:50–18:10

PSS-OR-09

Xuelian Wu (*University of New South Wales Sydney, University of Technology Melbourne, University of Wollongong, Australia*), Xiaoming Wen, Yun Hau Ng, Yi Du, Shi Xue Dou, Rose Amal, Jason Scott

Improving the Photo-oxidative Performance of Bi₂MoO₆ by Harnessing the Synergy between Spatial Charge Separation and Rational Co-catalyst Deposition

18:10–18:30

PSS-OR-10

Fiorella Lucarini (*Department of Chemistry, University of Fribourg, Switzerland*), Albert Ruggi

Heptacoordinate Co(II) complex: a new architecture for photochemical hydrogen production

Molecular and Inorganic Materials – III

Chair: Dominik Wöll

Hall: Londres

16:50–17:10

MIM-OR-09

Fred Brouwer (*University of Amsterdam, The Netherlands*), Jarich Haitjema, Yu Zhang
Photochemistry of photoresist model compounds: from deep UV to extreme UV

17:10–17:30

MIM-OR-10

Jean-Pierre Malval (*Institut de Sciences des Matériaux de Mulhouse, France*), Ming Jin, Laura P. Chia Gomez, Arnaud Spangenberg, Olivier Soppera, Patrice Baldeck, Helène Chaumeil, Huriye Akdas-Kilig, Jean-Luc Fillaut, Sylvain Achelle

Multipoles-Induced Dimensionality Tuning : A Relevant Molecular Engineering Approach devoted to Multiphoton 3D-Stereolithography

17:30–17:50

MIM-OR-11

André Del Guerso (*Université de Bordeaux, France*), Leire Gartzia-Rivero, Philip Schäfer, Christiaan de Vet, Guillaume Raffy

Photo-Patterning of Optically Active Nano-Fibers on Surfaces with Control of Orientation and Position or Color

17:50–18:10

MIM-OR-12

Wen-Sheng Chung (*National Chiao Tung University, Taiwan*)

Synthesis of Biscalix[4]arenes and Their Applications in Molecular Sensing and Organogel Materials

18:10–18:30

MIM-OR-13

Shih-Sheng Sun (*Academia Sinica, Taiwan*)

Stimuli-responsive Fluorescent Organogelating Materials

New Concepts and Methods in Theoretical Photochemistry – II

Chair: Xavier Assfeld

Hall: Rome

16:50–17:10

Theory-OR-04

Evgeniy Gromov (*Universität Heidelberg, Theoretische Chemie, Physikalisch-Chemisches Institut, Heidelberg, Germany*), Tatiana Domratcheva

Hydrogen bonds control photoisomerization of p-coumaroyl chromophore in the photoactive yellow protein (PYP)

17:10–17:30

Theory-OR-05

Daniel Escudero (*CEISAM UMR CNRS 6230, Université de Nantes, France*)

Fluorescence quenching revisited from first principles: Dark-state quenching or photoinduced electron transfer?

17:30–17:50

Theory-OR-06

Maria Fumanal (*Laboratoire de Chimie Quantique, Institut de Chimie de Strasbourg, CNRS - Université de Strasbourg, France*), Etienne Gindensperger, Chantal Daniel

Ultrafast Excited-State Decays in $[\text{Re}(\text{CO})_3(\text{N},\text{N})(\text{L})]^{n+}$: Non-Adiabatic Quantum Dynamics

17:50–18:10

Theory-OR-07

Kaushik Nanda (*Department of Chemistry, University of Southern California, Los Angeles, USA*), Anna Krylov

New theoretical tools for modeling nonlinear optical properties in closed- and open-shell systems

18:10–18:30

Theory-OR-08

Felix Plasser (*Institute for Theoretical Chemistry, Faculty of Chemistry, University of Vienna, Austria*), Stefanie A. Mewes, Sebastian Mai, Juan J. Nogueira, Andreas Dreuw, Leticia González

New Tools for the Analysis of Electronic Excitation Processes

Plenary Session – IV

Chair: Trevor Smith

Hall: Cassin

08:30–09:15

Plenary-05

Ilme Schlichting (*Max Planck Institute for Medical Research, Heidelberg, Germany*)

Protein structure and dynamics using X-ray free-electron lasers

09:15–10:00

Plenary-06

Stéphane Petoud (*University of Geneva, Switzerland*), Svetlana V. Eliseeva, Ivana Martinić, Franck Suzenet, Vincent L. Pecoraro

Luminescent Lanthanide Small Molecules, Polymetallic Dendrimer Complexes, MOF and Metallacrowns for Biological Imaging: from Fundamental Research to Applications

Fundamental Photochemistry and Photophysics – III

Chair: Fred Brouwer

Hall: Cassin

10:30–11:00

FundPP-INV-02

Olivier Soppera (*Institut de Science des Matériaux de Mulhouse IS2M, France*)

Free-radical photopolymerization triggered by localized surface plasmons

11:00–11:20

FundPP-OR-11

Clément Guerrin (*Laboratoire de Spectrochimie Infrarouge et Raman, Lille, France*),

Stéphanie Delbaere, Maylis Orio, Lionel Sanguinet

Indolino-oxazolidine Photochromic System Insights by NMR and DFT Calculations

11:20–11:40

FundPP-OR-12

Hiroshi Ikeda (*Graduate School of Engineering, Osaka, Japan*), Atsushi Sakai, Eisuke Ohta, Seiji Tsuzuki, Yasunori Matsui, Takuya Ogaki

Room-Temperature Phosphorescence of Iodine-substituted Dibenzoylmethanoboron Difluoride

11:40–12:00

FundPP-OR-13

Gregor Jung (*Saarland University, Saarbruecken, Germany*), Daniel Maus, Alexander Grandjean

Photoacids: How strong can we make them?

12:00–12:20

FundPP-OR-14

Sabine Richert (*University of Oxford, Oxford, UK*), Bart Limburg, George Bullard, Michael J. Therien, Harry L. Anderson, Christiane R. Timmel

Exploring the Extent of Triplet State Delocalisation in Porphyrin Nanostructures

12:20–12:40

FundPP-OR-15

Evan G. Moore (*School of Chemistry and Molecular Biosciences, University of Queensland, Australia.*), Jane Y. Liew, Matthias Schwalbe

Sensitised Ln (III) Emission and Excited State Dynamics of Cofacial 'Pacman' Porphyrin Terpyridine Complexes

Photocatalysis, Solar Fuels and Solar Cells – III

Chair: Nicolas Plumeré

Hall: Madrid

10:30–11:00

PSS-INV-02

Michael R. Wasielewski (*Department of Chemistry, Northwestern University, USA*)

Enabling Singlet Fission by Controlling Intermolecular Charge Transfer

11:00–11:20

PSS-OR-11

S. Bonnet (*Leiden Institute of Chemistry, Leiden University, Leiden, The Netherlands*), B. Limburg, E. Bouwman

Photocatalytic oxidation of water at the surface of liposomes

11:20–11:40

PSS-OR-12

Matthias Bauer (*Faculty of Science, Paderborn University, Germany*)

Heteroleptic N-heterocyclic carbene complexes of iron as photosensitizers for light-induced water reduction

11:40–12:00

PSS-OR-13

Ryuzi Katoh (*College of Eng., Nihon University, Koriyama, Fukushima, Japan*), Akiho Nishi, Tatsuo Nakagawa

Electron injection processes in dye-sensitized nanocrystalline rutile-TiO₂ films

12:00–12:20

PSS-OR-14

Jens Föhlinger (*Uppsala university, Department of Chemistry, Sweden, Department of Molecular Engineering, Kyoto University, Japan*), Masanori Yamamoto, Jonas Petersson, Hiroshi Imahori, Leif Hammarström

Photophysical investigation of a macromolecular pentad for water oxidation

12:20–12:40

PSS-OR-15

Annemarie Huijser (*University of Twente, The Netherlands*), Qing Pan, Leon Freitag, Tanja Kowacs, Jane C. Falgenhauer, Jeroen P. Kortrik, Derck Schlettwein, Wesley R. Browne, Mary T. Pryce, Sven Rau, Leticia González, Johannes G. Vos

A new photophysical insight into high turn-over numbers for H₂ generation by bimetallic photocatalytic complexes

Molecular and Inorganic Materials – IV

Chair: Hirochi Miyasaka

Hall: Londres

10:30–11:00

MIM-INV-03

Jiro Abe (*Aoyama Gakuin University, Japan*)

A New Aspect of the Stepwise Two-photon Photochromic Reactions

11:00–11:20

MIM-OR-14

David Bléger (*Humboldt-Universität zu Berlin, Germany*)

Photo-switchable molecular systems: from UV to visible light activation

11:20–11:40

MIM-OR-15

Lorenzo Casimiro (*Università di Bologna, Italy*), Giulio Ragazzon, Massimo Baroncini, Serena Silvi, Margherita Venturi, Jessica Groppi, Alberto Credi

Light Powered Artificial Molecular Pumps

11:40–12:00

MIM-OR-16

Agostino Galanti (*Université de Strasbourg, France*), Valentin Diez-Cabanes, Jasmin Santoro, Michal Valášek, Jérôme Cornil, Marcel Mayor, Paolo Samorì

Novel Conjugated Multi-Azobenzene Photochromic Rigid Systems

12:00–12:20

MIM-OR-17

Kenji Matsuda (*Kyoto University, Japan*), Takashi Hirose, Soichi Yokoyama, Denis Frath, Naoki Maeda

Photocontrol of 2-dimensional self-assembly of photochromic diarylethene at liquid/solid interface

12:20–12:40

MIM-OR-18

Dmytro Sysoiev (*Konstanz University, Germany*), Oleksii Nevskyi, Dominik Wöll, Thomas Huhn

Alkyne-containing photochromic diarylethenes for charge transport and fluorescence switching: revealing and avoiding their degradation

Tuesday

Photochemistry for Biophotonics and Photobiology – III

Chair: Yves Mély

Hall: Rome

10:30–11:00

Bio-INV-03

Marcus L. Wilhelmsson (*Chalmers University of Technology, Department of Chemistry and Chemical Engineering, Chemistry and Biochemistry, Gothenburg, Sweden*)

FRET in nucleic acids using base analogues

11:00–11:20

Bio-OR-09

Janina Diekmann (*Heinrich-Heine Universität Düsseldorf, Institut für Physikalische Chemie Universitätsstraße 1, Düsseldorf, Germany*), Sascha Fröbel, Peter Gilch

Photoaddition of Psoralens to DNA traced by Time-Resolved Spectroscopy

11:20–11:40

Bio-OR-10

Mikhail Filatov (*School of Chemistry, SFI Tetrapyrrole Laboratory, Trinity Biomedical Science Institute, Trinity College, The University of Dublin, Dublin, Ireland*), Susan Callaghan, Huguette Savoie, Ross W. Boyle, Mathias O. Senge

Heavy atom-free BODIPY donor-acceptor dyads as singlet oxygen sensitizers

11:40–12:00

Bio-OR-11

Tae-Hyuk Kwon (*Department of Chemistry, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea*), Jung Seung Nam, Myeong-Gyun Kang, Juhye Kang, Mi Hee Lim, Hyun-Woo Rhee

Iridium(III) Complexes as Efficient Photodynamic Therapy Agents via Protein Modifications

12:00–12:20

Bio-OR-12

Sylvestre Bonnet (*Leiden Institute of Chemistry, Leiden University, Leiden, The Netherlands*), Vincent H.S. Van Rixel, Bianka Siewert, Sven H.C. Askes, Maxime A. Siegler

Green Light-Induced Cancer Cells Death With Ruthenium Prodrugs

12:20–12:40

Bio-OR-13

Yayang Tian (*PPSM, ENS Cachan, CNRS, Université Paris-Saclay, Cachan, France*), Bianca Scavi, Rachel Méallet-Renault, Gilles Clavier

“Click”-Based LbL Self-assembled Films for Selective Bacteria Detection

12:40–13:00

Bio-OR-14

Anita C. Jones (*EaStCHEM School of Chemistry, The University of Edinburgh, Edinburgh, UK*), Grant McKenzie

Conformationally Selective Electronic Energy Transfer from the Natural Bases to 2-Aminopurine in DNA

Plenary Session – V

Chair: Kyung Byung Yoon

Hall: Cassin

14:00–14:45

Plenary-07

Prashant V. Kamat (*Radiation Laboratory, and Department of Chemistry and Biochemistry, University of Notre Dame, USA*), Jacob B. Hoffman, Jara, Seog J. Yoon, M. K. Kuno

Photoinduced Transformations in Hybrid Metal Halide Perovskite Nanostructures

Tuesday

Fundamental Photochemistry and Photophysics – IV

Chair: Xavier Allonas

Hall: Cassin

14:50–15:20

FundPP-INV-03

Eric Vauthey (*University of Geneva, Switzerland*), Bogdan Dereka, Arnulf Rosspeintner, Magnus Soederberg

Photoinduced symmetry-breaking charge-transfer

15:20–15:40

FundPP-OR-16

Joseph S. Beckwith (*University of Geneva, Switzerland*), Arnulf Rosspeintner, Gonzalo Angulo, Eric Vauthey

Bimolecular charge separation under the gaze of broadband fluorescence up-conversion

15:40–16:00

FundPP-OR-17

Minh-Huong Ha-Thi (*Institut des Sciences Moléculaires d'Orsay, Orsay, France*), Stéphanie Mendes Marinho, Thomas Pino, Annamaria Quaranta, Leibl Winfried, Van-Thai Pham, Ally Aukauloo

Probing of charge accumulation on a Ruthenium polypyridine complex by sequential excitation

16:00–16:20

FundPP-OR-18

Yevheniia Smortsova (*Université de Nord de France, Villeneuve D'Ascq, France*), Thomas Gustavsson, François-Alexandre Miannay, Oleg Kalugin, Abdenacer Idrissi

Mechanism of solvation dynamics in prototypical ionic liquid/molecular solvent mixtures: combining experimental and theoretical studies

Photocatalysis, Solar Fuels and Solar Cells – IV

Chair: Thierry Toupance

Hall: Londres

14:50–15:20

PSS-INV-03

Gerald J. Meyer (*University of North Carolina at Chapel Hill, USA*), Renato N. Sampaio, Ludovic Troian-Gautier

Dye-Sensitized Hole and PCET Transfer for Water Oxidation

15:20–15:40

PSS-OR-16

Mohamed Abdellah (*Department of Chemistry, Uppsala University, Sweden*), Shuai Zhang, Mei Wang, Hammarström

Thiol quenching of CdSe quantum dots in NiO-CdSe-cobaloxime photocathode for H₂ evolution

15:40–16:00

PSS-OR-17

Mahsa Barzgar Vishlaghi (*Material Science and Engineering department, Koç Unniversity, Istanbul, Turkey*), Abdullah Kahraman, Sinem Apaydin, Shamsa Munir, Sarp Kaya

Surface modification of BiVO₄-based Photoanodes for Water Oxidation

16:00–16:20

PSS-OR-39

Tae-Hyuk Kwon (*Ulsan National Institute of Science and Technology, Ulsan, Republic of Korea*), Jun-Hyeok Park, Byung-Man Kim, Deok-Ho Roh, Kwang Min Kim, Hyun-Gyu Han

Strategy for Improved Photovoltaic Performance in Thin Film Photoelectrodes

Tuesday

New Concepts and Methods in Theoretical Photochemistry – III

Chair: Horst Köppel

Hall: Rome

14:50–15:20

Theory-INV-02

Satoshi Maeda (*Department of Chemistry, Faculty of Science, Hokkaido University, Sapporo, Japan*)

Automated search for nonradiative pathways in molecules and organometallic complexes

15:20–15:40

Theory-OR-09

Ágnes Vibók (*Department of Theoretical Physics, University of Debrecen, Hungary*), András Csehi, Gábor J. Halász, Lorenz S. Cederbaum

Light-induced nonadiabatic phenomena in diatomics with strongly coupled electronic states

15:40–16:00

Theory-OR-10

Etienne Mangaud (*Laboratoire Collisions Agrégats Réactivité, Université Toulouse III, Toulouse, France*), Aurélien de la Lande, Christoph Meier, Michèle Desouter-Lecomte

Quantum dynamics of electron transfer in strongly coupled environments

16:00–16:20

Theory-OR-11

Lluís Blancafort (*Institut de Química Computacional i Catàlisi and Departament de Química, Universitat de Girona, Spain*)

Modulating the properties of the GFP chromophore combining theory and experiment

New Frontiers in Ultrafast Photochemistry – II

Chair: Niko Ernring

Hall: Madrid

14:50–15:20

Ufast-INV-02

Jérémie Léonard (*Université de Strasbourg, CNRS, Institut de Physique et Chimie des Matériaux de Strasbourg, Strasbourg, France*), Moussa Gueye, Massimo Olivucci, Stefan Haacke

Vibrational coherence spectroscopy applied to biomimetic molecular switches

15:20–15:40

Ufast-OR-04

Victor Despré (*Theoretische Chemie, Universität Heidelberg, Heidelberg, Germany*), A. Marciniak, V. Lorient, G. Karras, M. Hervé, L. Quintard, F. Catoire, C. Joblin, E. Constant, F. Lépine, A. I. Kuleff

Ultrafast non-adiabatic relaxation of the naphthalene molecule after inner-valence ionization by a short XUV pulse

15:40–16:00

Ufast-OR-05

Pascale Changenet-Barret (*Ecole polytechnique, CNRS, INSERM, Université Paris-Saclay, France*), Marco Schmid, Laure Guy, Stéphan Guy, François Hache

Unveiling the conformational dynamics of Binaphthols in their excited state by ultrafast circular dichroism

16:00–16:20

Ufast-OR-06

Dennis Bank (*Institute of Physical Chemistry, Christian-Albrechts-University Kiel, Kiel, Germany*), Ronja Höppner, Melanie Hammerich, Falk Renth, Bernd Hartke, Rainer Herge, Friedrich Temps

Ultrafast photoisomerization dynamics of heterodiazocines upon $S_1(n\pi^*)$ photoexcitation by femtosecond electronic absorption spectroscopy

Fundamental Photochemistry and Photophysics – V

Chair: Eléna Ishow

Hall: Cassin

16:50–17:10

FundPP-OR-19

Jérôme Chauvin (*Université de Grenoble Alpes, CNRS, France*), Rajaa Farran, Long Le-Quang, Lucy Rosa, Damien Jouvenot, Frédérique Loiseau, Alain Deronzier

Photoinduced multiple electron transfer processes in ruthenium(II)-chromium(III) dyad or metallo-supramolecular wire.

17:10–17:30

FundPP-OR-38

Alexey Baklanov (*Institute of Chemical Kinetics and Combustion, Novosibirsk, Russia*), Alexandr Bogomolov, Sergei Kochubei

Supramolecular photoprocesses in van der Waals complexes of iodine X-I₂: A velocity map imaging investigation

17:30–17:50

FundPP-OR-21

Christoph Kerzig (*Martin-Luther-Universität Halle-Wittenberg, Halle, Germany*), Martin Goetz

Combining energy and electron transfer in a supramolecular environment for the highly efficient generation of hydrated electrons with green light

17:50–18:10

FundPP-OR-22

Steffen Straub (*Rheinische Friedrich-Wilhelms Universität Bonn, Institut für Physikalische und Theoretische Chemie, Bonn, Germany*), Jörg Lindner, Peter Vöhringer

New Insights into the Photodissociation of Bisphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

18:10–18:30

FundPP-OR-23

Kim A. Winterfeld (*Department of Chemistry and Pharmacy, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany*), Giulia Lavarda, Julia Guilleme, Michael Sekita, Dirk M. Guldi, Tomás Torres, Giovanni Bottari

Physicochemical Characterization of Novel Subphthalocyanines Axially Substituted with a Tetracyanobuta-1,3-diene-aniline Moiety

Photocatalysis, Solar Fuels and Solar Cells – V

Chair: Jerry Meyer

Hall: Madrid

16:50–17:10

PSS-OR-19

Mateusz Gierszewski (*Faculty of Physics, NanoBioMedical Centre, Poznan, Poland*), Adam Glinka, Iwona Grądzka, Mariusz Jancelewicz, Marcin Ziótek

Femtosecond transient absorption and electrochemical impedance in the studies of solar cells sensitized by ADEKA-1 and MK-2 dyes: post-assembly molecular and atomic passivation of titania surface

17:10–17:30

PSS-OR-20

Valentin Mafféis (*Institut Rayonnement Matière de Saclay, Université Paris Saclay, CEA, CNRS, Gif-sur-Yvette, France*), Thomas Gustavsson, Bruno Jusselme

Push-Pull dyes for p-type Grätzel cells: a time resolved fluorescence study

17:30–17:50

PSS-OR-21

Julien Massin (*Université Grenoble Alpes, CNRS, Commissariat à l'Energie Atomique et aux Energies Alternatives (CEA), France*), Nicolas Kaeffer, Murielle Chavarot-Kerlidou, Vincent Artero

Synthesis and Studies of Noble Free Photocatalytic Dyad for H₂ Evolution Applications

17:50–18:10

PSS-OR-22

Valeria Saavedra Becerril (*Department of Chemistry and Chemical Engineering, Chalmers University of Technology, Sweden*), Elin Sundin, Mokhtar Mapar, Daniele Franchi, Maria Abrahamsson

Strategies to overcome fast electron-hole recombination in dye-sensitized photoanodes

18:10–18:30

PSS-OR-23

Qi Hu (*LMU Munchen, KIT Fritz-Haber, karlsruhe, Germany*), B. Reiss, H.-A. Wagenknecht, E. Riedle

Mechanistic Studies of Photoredox Organocatalysis by Transient Absorption Spectroscopy and Precise Quantum Yield Determination

Tuesday

Molecular and Inorganic Materials – V

Chair: Clémence Allain

Hall: Londres

16:50–17:10

MIM-OR-19

Christian Ley (*University of Haute Alsace, France*), C. Carré, A. Ibrahim, X. Allonas

Optimisation and coupling of high performance photocyclic initiating systems for efficient holographic materials

17:10–17:30

MIM-OR-20

Frédéric Dumur (*Aix Marseille University, France*), Jacques Lalevée, Didier Gigmes

Photopolymerization under visible light: TADF compounds as new photoinitiators

17:30–17:50

MIM-OR-22

Takashi Ubukata (*Yokohama National University, Japan*), Sachiko Imura, Taishi Sonoda, Megumi Nakayama

Highly sensitive formation of stable surface relief structures in multi-anthracene films

17:50–18:10

MIM-OR-23

Judith Radebner (*Graz University of Technology, Austria*), Anna Eibel, Harald Stueger

Tetraacylgermanes: Highly Efficient Photoinitiators for Visible-Light Induced Free-Radical Polymerization

18:10–18:30

MIM-OR-21

Anna Eibel (*Graz University of Technology, Austria*), Judith Radebner, Georg Gescheidt

Photoreactivity of Ge-based Initiators for Radical Polymerizations

Photochemistry for Biophotonics and Photobiology – IV

Chair: Marten Vos

Hall: Rome

16:40–17:00

Bio-OR-15

Agathe Espagne (*Ecole normale supérieure, PSL Research University, UPMC, CNRS, Département de Chimie, Paris, France*), Fabien Lacombat, Dheerendra Yadav, Fabrice Rappaport, Pascal Plaza

Mechanisms and Dynamics of Reversible Photoswitching in Fluorescent Proteins: Insights from Transient Absorption Spectroscopy

17:00–17:20

Bio-OR-16

Laurie A. Bizimana (*New York University, Department of Chemistry, New York, USA*), Jordan Epstein, Johanna Brazard, Daniel B. Turner

Conformational Homogeneity in Phytochrome Cph1 P_r, Wild Type and Single-Site Mutants

17:20–17:40

Bio-OR-17

Partha Pratim Roy (*Physikalisch Chemisches Institut, Ruprecht-Karls Universität Heidelberg, Germany*), Yoshitaka Kato, Hideki Kandori, Tiago Buckup

Exploring vibrational dynamics of Anabaena Sensory Rhodopsin by Pump Impulsive Vibrational Spectroscopy

17:40–18:00

Bio-OR-18

D. Agathangelou (*Institut de Physique et Chimie des Matériaux de Strasbourg, Université de Strasbourg-CNRS, Strasbourg, France*), Y. Orozco-Gonzalez, Y. El-Khoury, J. Brazard, Y. Kato, H. Kandori, K-H. Jung, J. Léonard, M. Olivucci, S. Haacke

Effect of point mutations on the ultrafast photo-isomerization of Anabaena Sensory Rhodopsin

18:00–18:20

Bio-OR-19

Kawon Oum (*Universität Siegen, Physikalische Chemie, Siegen, Germany*), Oliver Flender, Mirko Scholz, Thomas Lenzer

A comprehensive kinetic model for the excited-state dynamics of *all-trans* retinal and *all-trans* retinoic acid

18:20–18:40

Bio-OR-20

Guoqiang Yang (*Key Laboratory of Photochemistry, Institute of Chemistry, University of Chinese Academy of Sciences, Beijing, P. R. China*)

Fluorescent and Chemluminescent Probes in Cells: Molecular design and applications

Plenary Session – VI

Chair: Luisa de Cola

Hall: Cassin

08:30–09:15

Plenary-08

Mark Thompson (*University of Southern California, USA*), Jessica H. Golden, Daniel M. R. Sylvinson, Peter I. Djurovich

Novel BODIPY and DIPYR Chromophores for Optoelectronic Applications

09:15–10:00

Plenary-09

Felix N. Castellano (*North Carolina State University, USA*)

Supramolecular Photochemistry 2.0: New Frontiers in Triplet Sensitization

Fundamental Photochemistry and Photophysics – VI

Chair: Jérémie Léonard

Hall: Cassin

10:30–11:00

FundPP-INV-04

Tanja Cuk (*Lawrence Berkeley National Laboratory, USA*)

How Charge Transforms Chemical Bonds at Solid-Liquid Interfaces

11:00–11:20

FundPP-OR-24

Josef Haimerl (*Universität Regensburg, Regensburg, Germany*), Jan Vogelsang, Indrajit Ghosh, Burkhard König, John M. Lupton

Monitoring photocatalytic radical formation processes by fluorescence correlation spectroscopy and time-correlated single-photon counting

11:20–11:40

FundPP-OR-25

Nicholas Paul (*Institute of Physical Chemistry, University of Heidelberg, Heidelberg, Germany*), Man Jiang, Nikolai Bieniek, Tiago Buckup, Norbert Hampp, Marcus Motzkus

Photocleavage of Coumarin Dimers Studied by Femtosecond UV Transient Absorption Spectroscopy

11:40–12:00

FundPP-OR-26

Mirko Scholz (*Universität Siegen, Siegen, Germany*), Oliver Flender, Johannes R. Klein, Kawon Oum, Thomas Lenzer

Excited-state relaxation of triarylamine solar cell dyes in organic solvents and on mesoporous Al₂O₃ and TiO₂ thin films

12:00–12:20

FundPP-OR-27

M.J.Y. Tayebjee (*Cavendish Laboratory, University of Cambridge, Cambridge, UK & School of Photovoltaic and Renewable Energy Engineering, UNSW, Sydney, Australia*), C. Phansa, A.B. Pun, S.N. Sanders, E. Kumarasamy, A. Asadpoordarvish, M.Y. Sfeir, L.M. Campos, D.R. McCamey, A. Rao

Singlet Fission and Magnetic Fields

12:20–12:40

FundPP-OR-28

Jacek Waluk (*Institute of Physical Chemistry, Polish Academy of Sciences & Faculty of Mathematics and Science, Cardinal Stefan Wyszyński University, Warsaw, Poland*), Krzysztof Nawara, Jakub Ostapko, Michał Kijak

Mechanisms of excited state deactivation in porphyrin isomers

Photocatalysis, Solar Fuels and Solar Cells – VI

Chair: Osamu Ishitani

Hall: Londres

10:30–11:00

PSS-INV-04

Bettina V. Lotsch (*Max Planck Institute for Solid State Research, Stuttgart, Germany*)

Towards rational catalyst design? 2D frameworks as platforms for light-driven hydrogen evolution

11:00–11:20

PSS-OR-24

H. Kasap (*Department of Chemistry, University of Cambridge, UK*), Christine A. Caputo, Benjamin C.M. Martindale, Vincent Lau, Bettina Lotsch, E. Reisner

Solar driven H₂ production Coupled to the Oxidation of Alcohols using Carbon Nitride-Ni catalyst Hybrid System

11:20–11:40

PSS-OR-25

Bogdan Kurpil (*Max-Planck Institute of Colloids and Interfaces, Postdam, Germany*), Aleksandr Savateev, Markus Antonietti

Hexaazatriphenyl Doped Poly(heptazine imide) - Superior Photocatalyst for Oxidative Reactions

11:40–12:00

PSS-OR-26

Nicolas Plumeré (*Center for Electrochemical Sciences, Ruhr-Universität Bochum, Germany*)

Photosynthetic Proteins in Devices – The Hurdle of Charge Recombination

12:00–12:20

PSS-OR-27

Martina Sandroni (*CEA, CNRS, Université Grenoble Alpes, France*), R. Gueret, J. Fortage, P. Reiss, D. Aldakov, M-N. Collomb

Efficient hydrogen photoproduction in water with hybrid systems composed of CuInS₂ quantum dots and molecular catalysts

12:20–12:40

PSS-OR-28

Can Xue (*School of Materials Science and Engineering, Nanyang technological University, Singapore*), Quan Gu

Self-Sensitized Carbon Nitride Microspheres for Efficient Visible-Light-Driven Hydrogen Generation

Photochemistry and Plasmonics – I

Chair: Renaud Bachelot

Hall: Madrid

10:30–11:00

PPL-INV-01

Hiroaki Misawa (*Hokkaido University, Japan & NCTU, Taiwan*)

Plasmon-induced photocurrent generation using strong coupling between localized surface plasmon and cavity modes

11:00–11:30

PPL-INV-02

James A. Hutchison (*Université de Strasbourg and CNRS, France*), Anoop Thomas, Jino George, Xiaolan Zhong, Thibault Chervy, Atef Shalabney, Eloise Devaux, Cyriaque Genet, Thomas W. Ebbesen

Sculpting chemical landscapes inside optical cavities

11:30–11:50

PPL-OR-01

Tatsuya Shoji (*Osaka City University, Japan*), Daiki Sugo, Yumi Wakisaka, Kei Murakoshi, Yasuyuki Tsuboi

Molecular Condensation and Highly Sensitive Detection of Organic Molecules based on a Thermo-responsive Polymer Micro-assembly formed by Plasmonic Optical Trapping.

11:50–12:10

PPL-OR-02

Jino George (*Université de Strasbourg and CNRS, France*), Thibault Chervy, Atef Shalabney, Eloise Devaux, Hidefumi Hiura, Cyriaque Genet, Thomas W. Ebbesen

Multiple Rabi Splitting under Ultra-strong Vibrational Coupling

12:10–12:30

PPL-OR-03

Anoop Thomas (*Université de Strasbourg and CNRS, France*), J. George, A. Shalabney, J. Moran, T. Chervy, X. Zhong, E. Devaux, C. Genet, J. Hutchison, T.W. Ebbesen

Ground state chemical reactivity under vibrational coupling to the vacuum field

12:30–12:50

PPL-OR-04

Dawid Piatkowski (*Nicolaus Copernicus University, Torun, Poland*), A. Prymaczek, M. Cwierzona, M. Nyk, S. Maćkowski

Understanding Plasmon Enhanced Up-Conversion in Single Nanocrystals using Polarization-resolved Fluorescence Lifetime Imaging Microscopy

Spectroscopy of Single Molecules and Nanostructures – I

Chair: Johan Hofkens

Hall: Rome

10:30–11:00

SSMN-INV-01

Ivan G. Scheblykin (*Lund University, Sweden*), Aboma Merdsa, Alexander Dobrovolsky, Eva Unger, Yuxi Tian, Marina Gerhard, Rafael Camacho, Elke Debroye, Johan Hofkens

Luminescence blinking scales up: non-radiative recombination via super-traps in organo-metal halide perovskites semiconductors

11:00–11:30

SSMN-INV-02

Martin Vacha (*Tokyo Institute of Technology, Japan*)

Spectroscopy of single nanocrystals of doped I-III-IV semiconductors and organic-inorganic hybrid nanoparticles

11:30–11:50

SSMN-OR-01

Sadahiro Masuo (*Kwansei Gakuin University, Japan*), Hiroki Takata, Hiroyuki Naiki

Control of Emission Photon Statistics from a Single Quantum Dot Using Silver-Coated AFM Tip

11:50–12:10

SSMN-OR-02

L. A. Peteanu (*Carnegie Mellon University, USA*), E. C. Wu, R. E. Stubbs, R. Jemison, R. D. McCullough, J. Wildeman, M. Y. Sfeir, J. Ma

Probing Inter-chain Interactions in Organic Semi-conductors

12:10–12:30

SSMN-OR-03

Dina Petrova (*University of Amsterdam, The Netherlands*), Tomislav Suhina, Michiel Hilbers, Bart Weber, Daniel Bonn, Fred Brouwer

Microscopic visualization of contacts and friction

12:30–12:50

SSMN-OR-04

Z. Zhang (*ENS Paris-Saclay, France*), V. Génot, J. F. Audibert, Y. Prokazov, E. Turbin, W. Zusratter, H. J. Kim, J. Jung, S. Y. Park, A. Spasojevic - de Biré, R. B. Pansu

Observation of the Nucleation of an Aggregation Induced Emission (AIE) Molecule in a Microfluidic System by Fluorescence Lifetime Video (FLIM)

Plenary Session – VII

Chair: Dario Bassani

Hall: Cassin

08:30–09:15

Plenary-10

Chi-Ming Che (*The University of Hong Kong, P.R. China*)

Phosphorescent Palladium Complexes with Long-Lived Excited State

09:15–10:00

Plenary-11

Osamu Ishitani (*Tokyo Institute of Technology, Japan*)

Photochemistry of CO₂ Reduction

Photocatalysis, Solar Fuels and Solar Cells – VII

Chair: Valérie Keller

Hall: Cassin

10:30–11:00

PSS-INV-05

Hermenegildo Garcia (*Instituto de Tecnologia Quimica, Universidad Politecnica de Valencia, Spain*)

Photoassisted CO₂ conversion

11:00–11:20

PSS-OR-29

Narmina O. Balayeva (*Institute of Technical Chemistry, Leibniz University of Hannover, Germany*), M. Fleisch, Detlef W. Bahnemann

Enhanced Visible-Light Activity of Surface Grafted WO₃-TiO₂ Photocatalysts

11:20–11:40

PSS-OR-30

Pauline Barrois (*Institut de Chimie et des Procédés pour l'Energie, l'Environnement et la Santé, Institut Charles Sadron, Strasbourg, France*), Olivier Félix, Gero Decher, Valérie Keller

Toward smart textile : new coatings for photocatalytic decontamination of toxic gases

11:40–12:00

PSS-OR-31

Lluís Blancafort (*Universitat de Girona, barcelona Institute of Science and Technology, Barcelona, Spain*), Annapaola Migani

Photocatalytic oxidation of methanol and water on TiO₂(110) - A photochemical perspective

12:00–12:20

PSS-OR-32

Saher Hamid (*Institute fur Technische Chemie, Leibniz Universitat Hannover, Germany*), Irina Ivanova, Tae Hwa Jeon, Ralf Dillert, Wonyong Choi, Detlef Bahnemann

Photocatalytic Conversion of Acetate into Molecular Hydrogen and Hydrocarbons over Surface Modified TiO₂: pH Dependent Formation of Kolbe and Hofer-Moest Products

12:20–12:40

PSS-OR-33

Eric Puzenat (*Institut de Recherche sur la catalyse et l'Environnement de Lyon, Villeurbanne, France*), Clément Maheu, Pavel Afanasiev, Christophe Geantet, Luis Cardenas

Photocatalytic hydrogen evolution activity of transition metal sulfides supported on TiO₂

Molecular and Inorganic Materials – VI

Chair: Linda Peteanu

Hall: Londres

10:30–11:00

MIM-INV-04

Jennifer A. Hollingsworth (*Los Alamos National Laboratory, United States*), Han Htoon, Andrei Piryatinski, Milan Sykora

Effects of Shape, Crystal Structure and Defect Engineering on Photophysical Properties of Single Inorganic Semiconductor Nanocrystals

11:00–11:20

MIM-OR-24

Jye-Shane Yang (*National Taiwan University, Taiwan*), Li-Yun Hsu, Chen-Yu Lien

Exciplex Mechanochromism and Vapochromism for Sequential and Differential Sensing

11:20–11:40

MIM-OR-25

Sarah Keller (*University of Basel, Switzerland*), Catherine E. Housecroft, Edwin C. Constable

Heteroleptic light-emitting copper(I) complexes with possible applications in light-emitting electrochemical cells

11:40–12:00

MIM-OR-26

Clémence Allain (*ENS Cachan, France*), Marine Louis, Cristian Piñero-Garcia, Arnaud Brosseau, Fuyuki Ito, Régis Guillot, Rémi Métivier

Mechanofluorochromic molecular materials as potential local stress probes

12:00–12:20

MIM-OR-27

Fuyuki Ito (*Shinshu University, Japan*), Yukino Suzuki, Jun-ichi Fujimori, Takehiro Sagawa

Fluorescence color changes of a mechanofluorochromic molecules during the crystallization process

12:20–12:40

MIM-OR-28

Luca Petrizza (*Université de Pau et des pays de l'Adour, France*), Mickaël Le Behec, Sylvie Blanc, Thierry Pigot, Maud Save, Sylvie Lacombe

Design of photoactive colloids for singlet oxygen production

Thursday

New Concepts and Methods in Theoretical Photochemistry – IV

Chair: Ilaria Ciofini

Hall: Rome

10:30–11:00

Theory-INV-03

Basile F. E. Curchod (*School of Chemistry, University of Bristol, Bristol, UK*)

Towards in Silico Photochemical Experiments using Ab Initio Nonadiabatic Molecular Dynamics

11:00–11:20

Theory-OR-12

Shirin Faraji (*University of Groningen, Theoretical Chemistry, Zernike Institute for Advanced Materials, Groningen, The Netherlands*)

On the nature of an extended Stokes shift in mPlum fluorescent protein

11:20–11:40

Theory-OR-13

Yasuteru Shigeta (*University of Tsukuba, Center for Computational Sciences, Tsukuba, Japan*), Ryuma Sato, Hirotaka Kitoh-Nishioka

Theoretical Analyses on Triplet-triplet Annihilation Processes of 9,10-diphenylanthracene and derivatives in solution

11:40–12:00

Theory-OR-14

Elisa Pieri (*Aix-Marseille Université, CNRS, Institut de Chimie Radicalaire, Marseille, France*), Vincent Ledentu, Nicolas Ferré

Modulation of the Peptide M Absorption Spectrum with the pH

12:00–12:20

Theory-OR-15

Mar Reguero (*Universitat Rovira i Virgili, Dpt. of Physical and Inorganic Chemistry, Tarragona, Spain*), Josep Casellas, Marc Alias, Michael J. Bearpark, Coen de Graff

Computational chemistry to the aid of elucidating photoreaction mechanisms: the case of photoisomerization of azobenzene

12:20–12:40

Theory-OR-16

Valentini Alessio (*Département de Chimie, Université de Liège, Belgium & Dipartimento di Biotecnologie, Chimica e Farmacia, Università di Siena, Italy*), María del Carmen Marín, Mariano Riccardi, Yoelvis Orozco-Gonzalez, Massimo Olivucci

Towards the Computational Design of Highly Fluorescent Rhodopsins

New Frontiers in Ultrafast Photochemistry – III

Chair: Yutuka Nagasawa

Hall: Madrid

10:30–11:00

Ufast-INV-03

Marco Cammarata (*University of Rennes 1, CNRS, Department of Physics, Rennes, France*), Serhane Zerdane, Eric Collet, Marion Harmand, Henrik Lemke

New opportunities for femtochemistry at Free Electron Lasers

11:00–11:20

Ufast-OR-07

Dmitry Khakhulin (*European XFEL GmbH, Schenefeld, Germany*), Alexander Britz, Tadesse Assefa, Michael Diez, Andreas Galler, Wojciech Gawelda, Peter Zalden, Joel Torres-Alacan, Zoltan Nemeth, Eva Bajnoczi, Dorottya Szemes, Gilles Doumy, Anne Marie March, Jakub Szlachetko, Tokushi Sato, Shunsuke Nozawa, Tetsuo Katayama, Shin-ichi Adachi, Christopher Milne, Steve Southworth, György Vankó, Peter Vöhringer, Christian Bressler

Tracking Ligand Exchange in Solvated Iron Complexes by Ultrafast X-ray Scattering and Emission Spectroscopy

11:20–11:40

Ufast-OR-08

Lin X. Chen (*Chemical Science and Engineering Division, Argonne National Laboratory, Lemont, IL USA*), P. Kim, S. E. Brown-Xu, A. Chacabarty, D. B. Lingerfelt, X. Li, F. N. Castellano, G. C. Schatz

Ultrafast Electronic and Nuclear Structural Dynamics of Excited State Transition Metal Centers for Solar Energy Conversion

11:40–12:00

Ufast-OR-09

Michel Sliwa (*Université de Lille, CNRS, UMR 8516, LASIR, Lille, France*), Lucas M. Uriarte, Cyril Ruckebusch

Complementarity of time-resolved serial femtosecond crystallography & UV-Vis transient absorption spectroscopy to reveal the ultrafast photodynamics of photo-switchable fluorescent proteins.

12:00–12:20

Ufast-OR-10

Dorottya Sárosiné Szemes (*MTA Wigner Research Centre for Physics, Budapest, Hungary*), Tobias Harlang, Tamás Keszthelyi, György Vankó

Revealing the anomalous excited state behavior of the $[\text{Fe}(\text{terpy})_2]^{2+}$ complex through the investigation of suitably modified ligands

12:20–12:40

Ufast-OR-11

Tatsuo Nakagawa (*Unisoku Co., Ltd. Hirakata, Osaka, Japan*), Toshiaki Suzuki, Kido Okamoto, Hiroaki Hanada, Tomoyoshi Suenobu, Ryuzi Katoh, Shunichi Fukuzumi

Subnanosecond Transient Absorption Measurement by Using a Randomly-Interleaved-Pulse-Train (RIPT) Method

Fundamental Photochemistry and Photophysics – VII

Chair: Eric Vauthey

Hall: Cassin

14:00–14:30

FundPP-INV-05

Naoto Tamai (*Kwansei Gakuin University, Japan*)

Exciton dynamics of semiconductor nanocrystals and multi-color optical switching of exciton luminescence

14:30–14:50

FundPP-OR-29

Pierre Gilliot (*Institut de physique et chimie des matériaux de Strasbourg, France*), Mathieu Gallart, Thomas Cottineau, Bernd Hönerlage, Valérie Keller, Nicolas Keller

Polaron- and Self-Trapped Exciton Formation in Anatase and Rutile TiO₂ Studied by Temperature Dependent Photoluminescence

14:50–15:10

FundPP-OR-30

Myrtille O.J.Y. Hunault (*Debye Institute for Nanomaterials Science, Utrecht, The Netherlands*), Frank M.F. De Groot

Role of iron in metal-metal charge transfer: a RIXS investigation of FeTiO₃

15:10–15:30

FundPP-OR-31

Etienne Lorchat (*Institut de Physique et Chimie des Matériaux de Strasbourg, Strasbourg, France*), Guillaume Froehlicher, Stéphane Berciaud

Quantifying photoinduced charge transfer in graphene/transition metal dichalcogenide van der Waals heterostructures

Molecular and Inorganic Materials – VII

Chair: Nikola Basaric

Hall: Londres

14:00–14:30

MIM-INV-05

Juan Casado (*University of Malaga, Spain*)

Uncommon Molecular Structures for Organic Electronics: Cross-Conjugated Biradical Dianions and Mechano-Made Biradicals

14:30–14:50

MIM-OR-29

Pavel A. Panchenko (*A.N. Nesmeyanov Institute of Organoelement Compounds, Russia*), Olga A. Fedorova, Yuri V. Fedorov, Gediminas Jonusauskas, Antonina N. Arkhipova, Aleksandr M. Agafontsev, Evgeny A. Kataev

Naphthalimide-Containing OFF-ON Fluorescent Sensors for Ions with PET Mechanism of Optical Response

14:50–15:10

MIM-OR-30

Roscini Claudio (*The Barcelona Institute of Science and Technology, Spain*), Julià-López Alex, Hernando Jordi, Ruiz-Molina Daniel, González-Monje Pablo, Sedó Josep

Temperature-controlled switchable photochromism in solid materials

15:10–15:30

MIM-OR-31

Yasushi Yokoyama (*Yokohama National University, Japan*), Sara Kusumoto, Sakiko Takeuchi, Hiroaki Kobayashi, Sadegh Mahvidi, Tetsuya Nakagawa

Photon-Working Regulation of Photochromic Properties of Diarylethenes

Thursday

Photochemistry for Biophotonics and Photobiology – V

Chair: Thomas Gustavsson

Hall: Rome

14:00–14:30

Bio-INV-04

Claus A.M. Seidel (*Chair for Molecular Physical Chemistry, Heinrich Heine University, Germany*)

Quantitative FRET studies and integrative modeling unravel the structure and dynamics of biomolecular systems in vitro and in live cells

14:30–14:50

Bio-OR-21

Yasuteru Urano (*Graduate School of Medicine and Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan*), Tomohiro Doura, Mako Kamiya

Detection of *lacZ*-positive cells in living tissue with single-cell resolution

14:50–15:10

Bio-OR-22

Gareth Redmond (*School of Chemistry, University College Dublin, Dublin, Ireland*)

Tuning Conjugated Polymer Nanoparticles for Fluorescence Imaging and Sensing Applications

15:10–15:30

Bio-OR-23

Scott R. Murphy (*Department of Chemistry and Biochemistry, Research and Innovation Centre, University of Regina, Regina, Canada*), Yamuna Kandasamy, Jianxin Cai, John G. Ottaviano, Kelti A. Smith, Ashley N. Williams

Photocontrol of ion permeation in lipid vesicles with (bola)amphiphilic spirooxazines

New Frontiers in Ultrafast Photochemistry – IV

Chair: Marco Cammarata

Hall: Madrid

14:00–14:30

Ufast-INV-04

Françoise Remacle (*Theoretical Physical Chemistry, University of Liège, Liège, Belgium*)

Ultrafast Non Equilibrium Dynamics Induced By Attopulses

14:30–14:50

Ufast-OR-12

Grigory Smolentsev (*Paul Scherrer Institute, Villigen, Switzerland*), Mikhail Soldatov, Benjamin Probst, Cyril Bachmann, Johannes Windisch, Arno Schneider, Alexander Guda, Nicolo Azzaroli, Roger Alberto, Maarten Nachtegaal, Jeroen A. Van Bokhoven

Time-resolved X-ray absorption spectroscopy to study molecular photocatalytic systems for H₂ evolution

14:50–15:10

Ufast-OR-13

Michela Gazzetto (*Institute of Applied Physics, University of Bern, Bern, Switzerland*), A. Sciortino, A. Madonia, M. Nazari, L. Sciortino, E. Rohwer, T. Feurer, F. Messina, A. Cannizzo

Ultrafast energy relaxation and transfer dynamics in fluorescent carbon nanodots

15:10–15:30

Ufast-OR-14

Yohei Uemura (*Institute for Molecular Science Myodaiji-cho, Okazaki, Japan.*), Daiki Kido, Akihiro Koide, Yuki Wakisaka, Yasuhiro Niwa, Shunsuke Nozawa, Shin-ichi Adachi, Tetsuo Katayama, Tadashi Togashi, Makina Yabashi, Akihiko Iwase, Akihiko Kudo, Satoru Takakusagi, Toshihiko Yokoyama, Kiyotaka Asakura

Ultrafast structural modulation in the photoexcited BiVO₄ observed by transient XAFS spectroscopy

Thursday

Fundamental Photochemistry and Photophysics – VIII

Chair: Abderrazzak Douhal

Hall: Cassin

16:00–16:20

FundPP-OR-32

Cornelia Bohne (*University of Victoria, BC, Canada*), Jenna Erwin, Mehraveh Seyedalikhani
Relocation of a Small Molecule in a Biocompatible Supramolecular Gel Probed by Fluorescence

16:20–16:40

FundPP-OR-33

Satoshi Habuchi (*King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia*), Hubert Piwonski, Tsuyoshi Michinobu

Controlling photophysical properties of ultrasmall conjugated polymer nanoparticles through polymer chain packing

16:40–17:00

FundPP-OR-34

Martin Herder (*Institut de Science et d'Ingénierie Supramoléculaires, Université de Strasbourg, France*), Jean-Marie Lehn

Photodynamic covalent bonds as a tool to shift reaction networks out-of-equilibrium

17:00–17:20

FundPP-OR-35

Wijak Yospanya (*Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan*), Seiji Sakamoto, Yasuyuki Araki, Masaki Nishijima, Yoshihisa Inoue, Takehiko Wada

Supramolecular asymmetric photochirogenesis mediated by synthetic antibody: asymmetric photocyclodimerization of 2-anthracenecarboxylate mediated by synthetic scFv antibody

17:20–17:40

FundPP-OR-36

Trevor Smith (*School of Chemistry, University of Melbourne, Australia*), Yuning Hong, Hamid Soleimaninejad

Mapping time-resolved and emission depolarization behaviour of evanescent wave-induced emission

Thursday

Photocatalysis, Solar Fuels and Solar Cells – VIII

Chair: Hermenegildo Garcia

Hall: Londres

16:00–16:20

PSS-OR-34

Roland Marschall (*Justus-Liebig University Giessen, Georg-August University Gottingen, Germany*), Tobias Weller, Morten Weiss, Lukas Specht, Stefanie Waitz

Mesoporous quaternary semiconductor oxides for improved photocatalytic hydrogen production

16:20–16:40

PSS-OR-35

Teruhisa Ohno (*Department of Applied Chemistry, Kyushu Institute of Technology, Fukuoka, Japan*), Sunao Kamimura

Photocatalytic and photoelectrochemical CO₂ reduction with water as an electron donor

16:40–17:00

PSS-OR-36

Nikita Singhal (*CSIR-Indian Institute of Petroleum, Dehradun, AcSIR-Academy of Scientific & Innovative Research New Delhi, India*), Umesh Kumar

Efficient approach for simultaneous CO and H₂ production via photoreduction of CO₂ with water over copper nanoparticles loaded TiO₂

17:00–17:20

PSS-OR-37

Cui Ying Toe (*Particles and Catalysis Research Group, School of Chemical Engineering, the University of New South Wales, Sydney, Australia*), Jason Scott, Rose Amal, Yun Hau Ng

Fabrication of Polymer-coated and Platinum-deposited ZnO Nanoparticles via Simultaneous Photocatalytic Deposition.

17:20–17:40

PSS-OR-38

Marianna Marchini (*Dipartimento di Chimica, University of Bologna, Italy*), Andrea Gualandi, Paola Ceroni, Pier Giorgio Cozzi

Photochemical Investigation on the Mechanism of Photoredox Reactions Promoted by Visible Light

Photochemistry and Plasmonics – II

Chair: Hiroaki Misawa

Hall: Madrid

16:00–16:30

PPL-INV-03

Loredana Latterini (*Perugia University, Italy*), Luigi Tarpani

Controlled assembly of metal colloids on dielectric materials to tune the photophysical properties of organic molecules

16:30–17:00

PPL-INV-04

George Thomas (*IISER, Thiruvananthapuram, India*)

Coupling of Elementary Excitations: Drawing Parallels Between Excitons and Plasmons

17:00–17:20

PPL-OR-05

Yinping Zhang (*Université de Technologie Troyes, France*), G. Demersy, D. Gérard, S. L. Dodson, Q. Xiong, J. Plain, N. Bonod and R. Bachelot

Local electromagnetic flip-flop in plasmonic infrared trimer nanoantenna as observed by molecular probing

17:20–17:40

PPL-OR-06

Ismail Ocsoy (*Erciyes University, Turkey*), Sadi Yusufbeyoglu, Cagla Celik, Nilay Ildiz, Vedat Yilmaz, Eric. S. McLamore

DNA Aptamer Conjugated Gold Nanostructures For Molecular Recognition and Photothermally Destruction of Methicillin-Resistant Staphylococcus Aureus

17:40–18:00

PPL-OR-07

Hiro Minamimoto (*Hokkaido University, Japan*), Kei Murakoshi

Observation of Water/Deuterium Molecules on Hydrogen Evolution Process via Surface Enhanced Raman Scattering Measurements

Spectroscopy of Single Molecules and Nanostructures – II

Chair: Brahim Lounis

Hall: Rome

16:00–16:30

SSMN-INV-03

Thorben Cordes (*University of Groningen, The Netherlands*), Jochem H. Smit, Jasper H. M. van der Velde, Vanessa Trauschke, Jingyi Huang, Si Chen, Eliza M. Warszawik, Andreas Herrmann

First-come first-serve – Competition for triple-state interactions in organic fluorophore and consequences for photostabilization

16:30–16:50

SSMN-OR-05

A. Thampi (*University of Cambridge, UK*), H. Stern, A. Cheminal, J. Anthony, A. Rao

Ultrafast dynamics of singlet fission in tips- tetracene nanoparticles

16:50–17:10

SSMN-OR-06

Oleksii Nevskiy (*RWTH Aachen University*), Dmytro Sysoiev, Thomas Huhn, Dominik Wöll

Fluorescent diarylethene photoswitches in super resolution microscopy in material science

17:10–17:30

SSMN-OR-07

Jan Vogelsang (*Universität Regensburg, Germany*), Theresa Eder, Max Gmelch, Thomas Stangl, Klaas Remmerssen, Sigurd Höger and John M. Lupton

Switching between coherent coupling modes in mesoscopic conjugated polymer aggregates

17:30–17:50

SSMN-OR-08

Syoji Ito (*Osaka University, Japan*), Yuhei Arai, Hajime Fujita, Yusuke Yoneda, Takahiro Kaji, Satoshi Takei, Ryota Kashihar, Masakazu Morimoto, Masahiro Irie, Hiroshi Miyasaka

One-color photoswitching of fluorescence of diarylethene derivatives and its application to localization microscopy

Thursday

Plenary Session – VIII

Chair: Dominik Wöll

Hall: Cassin

08:30–09:15

Plenary-12

Brahim Lounis (*Université de Bordeaux. Institut d'Optique & CNRS LP2N, France*)

Reading the Spectral Fingerprint of Individual Nanocrystals

09:15–10:00

Plenary-13

Hong Zhang (*University of Amsterdam, The Netherlands*), Langping Tu, Xiaomin Liu

Near infrared light induced visible emission in inorganic nanostructures

Fundamental Photochemistry and Photophysics – IX

Chair: Keitaro Nakatani

Hall: Cassin

10:30–11:00

FundPP-INV-06

Dassia Egorova (*Christian-Albrechts-Universität zu Kiel, Germany*)

Coherence as a probe of non-Born-Oppenheimer dynamics

11:00–11:20

FundPP-OR-37

Chavdar Slavov (*Goethe University, Frankfurt, Germany*), Chong Yang, Luca Schweighauser, Hermann A. Wegner, Andreas Dreuw, Josef Wachtveitl

Ultrafast dynamics of bis- and trisazobenzenes

11:20–11:40

FundPP-OR-20

Lucas Guillemard (*UMR CNRS 7509, Université de Strasbourg, France*), Percia Beatrice Arockiam, Joanna Wencel-Delord

Visible light induced metal-free C5 & C8 selective C-H functionalisation of quinolines

11:40–12:00

FundPP-OR-39

M. Nazari (*Institute of Applied Physics, University of Bern, Switzerland*), C.D. Bösch, M. Gazzetto, A. Rondi, S.M. Langenegger, A. Monari, R. Häner, T. Feurer, A. Cannizzo

Efficient long-range ultrafast energy transfer in a novel family of multichromophoric antenna complexes investigated by ultrafast UV to Vis electronic spectroscopy

12:00–12:20

FundPP-OR-40

Tim Vogler (*Institut für Physikalische und Theoretische Chemie, Universität Bonn, Germany*), Jörg Lindner, Peter Vöhringer

Determination of the conduction band edge of liquid ammonia by femtosecond spectroscopy

12:20–12:40

FundPP-OR-41

Henrieta Volfová (*Lehrstuhl für BioMolekulare Optik, LMU München, München, Germany*), Alina Khodko, Qi Hu, Roland Wilcken, Eberhard Riedle

A comprehensive study of molecular switches

Photocatalysis, Solar Fuels and Solar Cells – IX

Chair: Fabrice Odobel

Hall: Madrid

10:30–11:00

PSS-INV-06

Anders Hagfeld (*Swiss federal Institute of Technology Lausanne, Switzerland*)

The Versatility of Mesoscopic Solar Cells

11:00–11:20

PSS-OR-18

Deok-Ho Roh (*Department of Chemistry, School of Natural Science, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea*), Tae-Hyuk Kwon

Strategy for Improved Photoconversion Efficiency in Thin Photoelectrode Films by Controlling π -Spacer Dihedral Angle

11:20–11:40

PSS-OR-40

Abderrazzak Douhal (*Departamento de Quimica, Universidad de Castilla-la Mancha, Institute of Advanced Materials, Universitat Jaume, Spain*), Piotr Piatkowski, Pavel Galar, Thi Tuyen Ngo, Mario Gutiérrez, Ivan Mora-Seró

Deciphering Ultrafast Charge Carrier Dynamics in MAPbI₃/(PbS/CdS) Hybrid Thin Polycrystalline Film Using Transient Absorption and Thz Spectroscopies

11:40–12:00

PSS-OR-41

Tanmay Banerjee (*Max Planck Institute for Solid State Research, Stuttgart, Germany*), Frederik Haase, Kerstin Gottschling, Bettina V. Lotsch

Photocatalytic Hydrogen Evolution in Covalent Organic Frameworks with Molecular Co-catalysts

12:00–12:20

PSS-OR-42

Ture F. Hinrichsen (*University of Cambridge, UK, Linköping University, Sweden*), Deping Qian, Feng Gao, Akshay Rao

Ultrafast Dynamics of Charge Transfer in Fullerene-Free Polymer Solar Cells with over 11% Efficiency

12:20–12:40

PSS-OR-43

Thomas Lenzer (*Physikalische Chemie, Universität Siegen, Germany*), Johannes R. Klein, Mirko Scholz, Kawon Oum

Ultrafast carrier dynamics of perovskites on mesoporous TiO₂ scaffolds in contact with hole transport materials

Molecular and Inorganic Materials – VIII

Chair: Martin Vacha

Hall: Londres

10:30–11:00

MIM-INV-06

Eléna Ishow (*Université de Nantes, France*)

Switching Optical Signal with Fluorescent Organic Nanoparticles

11:00–11:20

MIM-OR-32

Virginia Martínez-Martínez (*Universidad del País Vasco, Spain*), Rebeca Sola-Llano, Yasuhiko Fujita, Luis Gómez-Hortigüela, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

One directional Antenna systems: Energy transfer from dye monomers to J-Aggregates along 1D-Aluminophosphates

11:20–11:40

MIM-OR-33

Lars Heinke (*Karlsruhe Institute of Technology, Germany*), Kai Müller, Zhengbang Wang, Christof Wöll, Alexander Knebel, Jürgen Caro, Sylvain Grosjean, Stefan Bräse, David Bléger

Photoswitchable Films of Metal-Organic Frameworks for Continuously Tunable Molecular Membrane Separation

11:40–12:00

MIM-OR-34

Antoine Mazel (*Université de Nantes, France*), Ritesh Haldar, Reetu Joseph, Michael Adams, Ian Howard, Bryce Richard, Manuel Tsotsalas, Engelbert Redel, Stéphane Diring, Christof Wöll, Fabrice Odobel

Hierarchical Naphthalene Diimide based Surface Anchored Metal Organic-Frameworks (SURMOFs) with panchromatic light absorption

12:00–12:20

MIM-OR-35

Heidi Schwartz (*University of Cologne, Germany*), Selina Olthof, Dominik Schaniel, Uwe Ruschewitz

Metal-Organic Frameworks as “Solid Solvents” for Spiropyrans?

12:20–12:40

MIM-OR-36

Damiano Genovese (*Università di Bologna, Italy*), Francesco Palomba, Enrico Rampazzo, L. Petrizza, Nelsi Zaccheroni, Luca Prodi

Nanopolarity mapping in multicompartment nanoarchitectures

10:30–11:00

Bio-INV-05

Tom Vosch (*Nanoscience Center and Department of Chemistry, University of Copenhagen, Denmark*), Sidsel Ammitzbøll Bogh, Cecilia Cerretani, Laura Kacenauskaite, Miguel R. Carro-Temboury

DNA stabilized silver nanocluster fluorophores

11:00–11:20

Bio-OR-24

Rachel Méallet-Renault (*Institut des Sciences Moléculaires d'Orsay (ISMO), CNRS, Univ. Paris-Sud, Université Paris-Saclay, Orsay France*), Gabriela Moran-Cruz, Gabriela Ramos Chagas, Thierry Darmanin, Sonia Amigoni, Guilhem Godeau, Anne Gaucher, Damien Prim, Frédéric Guittard

Luminescent Superhydrophobic surfaces for anti-microbial adhesion and anti-biofilm applications

11:20–11:40

Bio-OR-25

Piotr Filipiak (*Faculty of Chemistry, Adam Mickiewicz University, Poznan, Poland*), Krzysztof Bobrowski, Gordon L. Hug, Dariusz Pogocki, Christian Schöneich, Bronislaw Marciniak

New Insights into the Reaction Path of 4-Carboxybenzophenone Triplet with Oligopeptides containing N- and C-terminal Methionine Residues

11:40–12:00

Bio-OR-26

Alberto Mezzetti (*Laboratoire de Réactivité de Surface UMR 7197, UPMC Sorbonne Universités, Paris, France*), Stefano Protti, Abdenacer Idrissi, Ari Paavo Seitsonen

Fluorescence and photochemistry of flavonols. A combined spectroscopic and Car-Parrinello study

12:00–12:20

Bio-OR-27

Marten H. Vos (*LOB, Ecole Polytechnique, CNRS, INSERM, Université Paris-Saclay, Palaiseau, France*), Ursula Liebl, Carolina Villamil Franco, Fevzi Daldal, Roberto Motterlini, Jean-Christophe Lambry

Ultrafast processes in heme proteins: using light to monitor ligand dynamics and exchange, and CO-sensing

12:20–12:40

Bio-OR-28

Pavel Müller (*Institut de Biologie Intégrative de la Cellule, CEA Saclay, Gif-sur-Yvette, France*), Klaus Brettel, Junpei Yamamoto, Kohei Shimizu, Takahiro Kanda, Pascal Plaza, Thiago Firmino, Pascal Pernot, Fabien Cailliez, Aurélien de la Lande

The importance of a newly-discovered tetrad of tryptophan residues for the light activation of animal DNA repair enzymes (6-4) photolyases and the implications for animal photo-(magneto-)receptors cryptochromes

FundPP-POS-01

Raman Arunachalam (*Chemical laboratory, CSIR-Central Leather Research Institute, Chennai, India*), Shanmugam Easwaramoorthi

Light Induced and FRET based Photoisomerization Inhibition and Fluorescence Enhancement of Azobenzene by Al³⁺ ion coordinated rhodamine derivative

FundPP-POS-02

Ryosuke Asato (*Nara Institute of Science and Technology, Nara, Japan*), Takuya Nakashima, Tsuyoshi Kawai

Efficient oxidative cycloreversion of photochromic terarylenes

FundPP-POS-03

H. Bashoun (*University of Strasbourg, CNRS, ISIS, Strasbourg, France*), A. Thomas, T. Chervy, K. Börjesson, J. George, E. Devaux, C. Genet, J. Hutchison, T.W. Ebbesen

Light-Matter Strong Coupling in Liquid Fabry-Perot Nanocavities

FundPP-POS-04

Nikola Basarić (*Ruder Bošković Institute, Zagreb, Croatia*), Sermsiri Chaiwongwattana, Nada Došlić, Dani Škalamera, Cornelia Bohne

Excited State Intramolecular Proton Transfer (ESIPT) in Anthrol Carbaldehydes

FundPP-POS-05

Diana But (*University of Cologne, Department of Chemistry, Köln, Germany*), Magarethe Kleczka, Axel G. Griesbeck

The Large-Group Effect in the Singlet Oxygen Ene Reaction with Allylic Alcohols: Singlet oxygen, hydroperoxides, 1,2-dioxolanes, 1,2,4-trioxepanes

FundPP-POS-06

J. Christmann (*University of Haute-Alsace, Laboratory of Macromolecular Photochemistry and Engineering, Mulhouse, France*), S. Shi, X. Allonas, A. Ibrahim, C. Ley, C. Croutxé-Barghorn

Toward a Better Understanding of the Mechanism of a Dual Bicyclic Photoinitiating System for Synthesis of Organic – Inorganic Hybrid Materials

FundPP-POS-07

Rathawat Daengngern (*Department of Chemistry, Faculty of Science, King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand*), Nawee Kungwan

Dynamics simulations of photoinduced intramolecular proton transfer reactions of 2,5-bis(2'-benzoxazolyl)hydroquinone

FundPP-POS-08

Hervé Dekkiche (*Université de Strasbourg, Institut de Chimie, CNRS Strasbourg, France*), Mary-Ambre Carvalho, Romain Ruppert, Laurent Ruhlmann, Sébastien Richeter, Adam Langlois, Paul-Ludovic Karsenti, Pierre D. Harvey

Ultrafast energy transfer in bis-porphyrin dyads

FundPP-POS-09

Emmanuelle Despagnet-Ayoub (*California Institute of Technology, Pasadena, California, USA*), Wesley W. Kramer, Wesley Sattler, Thomas Cardolaccia, Jay R. Winkler, Harry B. Gray

In-film investigation of photoacid generator for semiconductor applications

FundPP-POS-10

Simon J. S. Düsel (*University of Regensburg, Institute of Organic Chemistry, Regensburg, Germany*), Rizwan S. Shaikh, Burkhard König

Arylation of trialkyl phosphites via visible light two-photon photoredox catalysis

FundPP-POS-11

Wiam El-Alami (*Laboratory Materiaux, Nanomateriaux and Environment, Departement of Chemistry, Faculty of Sciences, Rabat, Morocco*), José Rodríguez, Mohammed El-Azzouzi

Photocatalytic activity, influence of the structure of TiO₂ and its surface properties

FundPP-POS-12

Shun Endo (*Department of Applied Chemistry, Chuo University, Bunkyo, Tokyo, Japan*), Takahiro Sato, Woon Yong Sohn, Kenji Katayama

Formation of photo-responsive liquid crystalline emulsions by a microfluidic device and their photo-response

FundPP-POS-13

Adilson A. Freitas (*Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Portugal*), Cassio Pacheco da Silva, Gustavo T. Medeiros Silva, António A. L. Maçanita, Frank H. Quina

Picosecond Excited State Proton Transfer Dynamics of a Pyranoflavylum Salt in Methanol-Water Mixtures

FundPP-POS-14

Paweł Gawryś (*Polish Academy of Sciences, Institute of Physics, Warsaw, Poland*), Elena Karpiuk, Jerzy Karpiuk

Towards white fluorophores: synthesis and luminescence of substituted phthalide-based donor-acceptor conjugates

FundPP-POS-15

Bastian Geissler (*Physikalische Chemie II, Ruhr-Universität Bochum, Bochum, Germany*), Philipp Gerschel, Anna Lisa Semrau, Patrick Nuernberger

Time-Resolved Spectroscopy of Thioflavin T and its Building Blocks

FundPP-POS-16

Christophe Goulaouen (*Laboratoire de Chimie Quantique, Institut de Chimie de Strasbourg, CNRS, Université de Strasbourg, France*), Samantha E. Brown-Xu, Errol Blart, Fabrice Odobel, Lin X. Chen, Yann Pellegrin, Chantal Daniel

Luminescent Properties of Copper(I) (2,9-halo-1,10-phenanthroline) Complexes

FundPP-POS-17

Yuichiro Hashimoto (*Nara Institute of Science and Technology, Takayama, Ikoma, Nara, Japan*), Takuya Nakashima, Miku Yamada, Tsuyoshi Kawai

Photochromic dinuclear europium (III) complex

FundPP-POS-18

Yuichi Hirai (*Graduate School of Engineering, Hokkaido University, Sapporo, Japan*), Takayuki Nakanishi, Yuichi Kitagawa, Koji Fushimi, Yasuchika Hasegawa

Luminescence from lanthanide(III)-mixed coordination polymers upon mechanical-grinding and photo-irradiation

FundPP-POS-19

Yongseok Hong (*Yonsei University, Department of Chemistry, Seoul, Republic of Korea*), Juwon Oh, Young Mo Sung, and Dongho Kim

The extension of Baird's rule to twisted heteroannulenes: the aromaticity reversal of singly-twisted and doubly-twisted molecular systems in the lowest triplet state

FundPP-POS-20

Nobuyuki Ichinose (*Department of Chemistry and Materials Technology, Kyoto Institut of Technology, Kyoto, Japan*), Kenji Mutashima, Masahide Hagiri, Jun-ichiro Kinugasa, Toshihiro Nakayama, Hiroshi Harima

Excitation wavelength effect on the fluorescence of 1,3,5-Trimethoxybenzene (TMB)-Tetracyanoethene (TCNE) CT-complex

FundPP-POS-21

Taéko Inada (*School of Science, Kitasato University, Sagami-hara, Japan*), Toshiki Kazumi, Satoshi Harada

Fluorescence Properties of Bis-pyrene Modified Photochromic Molecules

FundPP-POS-22

Jerzy Karpiuk (*Institute of Physics, Polish Academy of Sciences, Warsaw, Poland*), Alina Majka, Edyta Majsterek, Elena Karpiuk, Paweł Gawryś, Michał Rode

Intramolecular photoinduced electron transfer in low temperature glasses. Charge transfer and local triplet states dynamics in bichromophoric systems

FundPP-POS-23

Daiki Kato (*Department of Applied Chemistry, Chuo University, Bunkyo, Tokyo, Japan*), Taisei Nishimura, Woon Yong Sohn, Kenji Katayama

Development of frequency modulated photo-induced phase microscopy and the observation of photo-induced phase transition of liquid crystals

FundPP-POS-24

Megumi Kayanuma (*University of Tsukuba, Center for Computational Sciences, Tsukuba, Japan*), Mitsuo Shoji, Yuri Aikawa, Masayuki Umemura, Yasuteru Shigeta

Theoretical study on the photodissociation of methanol in the interstellar medium

FundPP-POS-25

Anna Kelm (*Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland*), Jacek Dobkowski, Jakub Ostapko, and Jacek Waluk

Relaxation processes in TICT chromophores containing acetyl and cyano acceptor groups

FundPP-POS-26

Nobuaki Koga (*Graduate School of Informatics, Nagoya University, Nagoya, Japan*), Miyabi Hiyama, Yoshifumi Noguchi, Motoyuki Shiga, Osamu Sugino, Hidefumi Akiyama

Effects of water solvation on absorption spectra of firefly oxyluciferin

FundPP-POS-27

Marcin P. Konowalczyk (*Department of Chemistry, University of Oxford, Oxford, UK*),
Olivia Foster Vander Elst, Jonathan G. Storey, Jennifer Handsel, Peter J. Hore, Christiane
R. Timmel

Advancements in Modulated MARY Spectroscopy

FundPP-POS-28

Wolfgang H. Kramer (*Millsaps College, Department of Chemistry and Biochemistry,
Jackson, USA*), Donya Razinoubakht, Gurjit Kaur, Sabrina Molitor, Anne Zimmer, Axel G.
Griesbeck

Photochemistry of Pyromellitimides: Stable Radical Anions in Aqueous Solution

FundPP-POS-29

Khushbu Kushwaha (*Department of Chemistry and Molecular Biology, University of
Gothenburg, Gothenburg, Sweden*), Kati Stranius, Karl Börjesson

Exploring perylene based chromophores with enhanced solid state performance

FundPP-POS-30

Christopher B. Larsen (*Department of Chemistry, University of Basel, Basel, Switzerland*),
Patrick Herr, Laura A. Büldt, Xingwei Guo, Oliver S. Wenger

Homoleptic Low-Valent Diisocyanide Complexes: Photophysics and Photoredox Catalysis

FundPP-POS-31

Vladimir Lokchine (*Aix Marseille Université, CNRS, CINaM, Marseille, France*), Vladimir
Khodorkovsky

Photochemistry of Spiro-1,3-indandiones

FundPP-POS-32

Raúl Losantos (*Universidad de La Rioja, Department of Chemistry, Spain*), Ignacio
Funes-Ardoiz, José Aguilera, Enrique Herrera-Ceballos, Cristina Garcia-Iriepa, Pedro J.
Campos, Diego Sampedro

Rational Design and Synthesis of Efficient Sunscreens to Boost the Solar Protection Factor

MIM-POS-01

Cyril R. R. Adolf (*Université de Strasbourg, CNRS, France*), Sylvie Ferlay, Mir Wais Hosseini
Welding Molecular Crystals

MIM-POS-02

Marc Alias (*Universitat Rovira i Virgili, Spain*), Coen de Graaf, Mar Reguero
Photoisomerization of azobenzene. Elucidating the mechanism through molecular dynamics calculations

MIM-POS-03

Cosimo Anichini (*Université de Strasbourg, CNRS, France*), Alessandro Aliprandi, Tiago Moreira, Marc-Antoine Stoeckel, Sara Bonacchi, César A. T. Laia, Paolo Samorì
Hybrid structures for low resistance and high transmittance electrodes

MIM-POS-04

Tsuyoshi Asahi (*Ehime University, Japan*), Kenta Yamada, Takahiro Uemitsu, Tsunenobu Onodera, Hidetoshi Oikawa
Temperature and size effects on photopolymerization dynamics of diacetylene nanocrystals dispersed in water

MIM-POS-05

Pierre-Antoine Bouit (*Université de Rennes 1, France*)
Electronic properties of P-containing Polycyclic Aromatic Hydrocarbons

MIM-POS-06

Fabian Brunner (*University of Basel, Switzerland*), Edwin C. Constable, Catherine E. Housecroft, A. Pertegás, Henk J. Bolink
Phosphine tuning for heteroleptic $[\text{Cu}(\text{N}^{\text{N}})(\text{P}^{\text{P}})][\text{PF}_6]$ in light emitting electrochemical cells

MIM-POS-07

Guy Buntinx (*University of Lille, CNRS*), Ismail Hamdi, Stéphane Aloïse, Olivier Poizat, Sophie Barrau, Maroua Louati, Patrice Woisel, Aurélie Perrier, Laura Le Bras, Michinori Takeshita
Photoreactivity of functionalized dithienylethenes for supramolecular assembly: from the solution to the photoresponsive thin film

MIM-POS-08

Caroli Marco (*Université de Strasbourg, CNRS, France*), Heder Martin, Hecht Stefan, Orgiu Emanuele, Samorì Paolo
Optical switching of carrier transport in transistors based on an organic bicomponent blend

MIM-POS-09

Aninda Chatterjee (*Université Paris-Saclay, France*), Thomas Gustavsson, Akos Banyasz, David Carrière
Nanoparticle growth probed by time-resolved luminescence spectroscopy

MIM-POS-10

Pei-Chun Chen (*National Cheng Kung University, Taiwan*), Dong-Hwang Chen

β -Cyclodextrin-modified graphene quantum dots: enhanced photoluminescence and use for fluorescent detection

MIM-POS-11

Ludovic Favereau (*Université de Rennes 1, France*), Jeanne Crassous

Helicene-organic dyes for chiral optoelectronic applications

MIM-POS-12

Maxime Florent (*University of Strasbourg - CNRS, France*), Aurélie Guenet, Jean-Marc Planeix, Nathalie Kyritsakas, Mir Wais Hosseini

Molecular Tectonics: towards the formation of metal centred chiral networks based on cationic

MIM-POS-13

Kayo Fujiwara (*Osaka City University, Japan*), Tatsuya Shoji, Kenta Ushiro, Taka-Aki Asoh, Hideo Horibe, Takashi Nishiyama, Yasuyuki Tsuboi

Microanalysis of a Polymer droplet by Optical Tweezers Combined Confocal Raman Microspectroscopy: Molecular Weight Dependence

MIM-POS-14

Leire Gartzia-Rivero (*Université de Bordeaux, France*), Arkajyoti Chakrabarty, Guillaume Raffy, Philip Schäfer, Christiaan de Vet, Samuel Marre, Cyril Aymonier, Uday Maitra, André Del Guerzo

Single Quantum Rod Polarization Imaging of Soft Materials

MIM-POS-15

Damiano Genovese (*Karlsruhe Institute of Technology, Germany*), Alessandro Aliprandi, Eko A. Prasetyanto, Matteo Mauro, Michael Hirtz, Harald Fuchs, Yasuhiko Fujita, Hiroshi Uji-I, Sergei Lebedkin, Manfred Kappes, Luisa De Cola

Storing Data on Individual Self-Assembled Ribbons via Mechano- and Photochromism

MIM-POS-16

Ritesh Haldar (*Karlsruhe Institute of Technology, Germany*), Shreyasi Mittal, Engelbert Redel, Christof Wöll

Redox active chromophore in oriented metal-organic thin films: Effect of structural modulation on host-guest charge transfer interactions

MIM-POS-17

Miki Hasegawa (*Aoyama Gakuin University, Japan*), Ayumi Ishii, Miho Hatanaka

Photoluminescence properties of helicate lanthanide complexes

MIM-POS-18

Théo Henry (*Université de Liège, Belgium*), Fabio Bonsangue, Olivier Dubreuil, Frédéric Rabecki, Patrick Gailly, Cédric Lenaerts, Grégoire Chêne, David Strivay, Karl Fleury-Frenette

Photoinduced superhydrophilicity in niobium and tantalum oxides thin films

MIM-POS-19

Kenji Higashiguchi (*Kyoto University, Japan*), Hajime Yotsuji, Ryuma Sato, Yasuteru Shigeta, Kenji Matsuda

Phototransformative Supramolecular Assembly of Amphiphilic Diarylethenes Realized by the Combination of Photochromism and Lower Critical Solution Temperature Behavior

MIM-POS-20

Chung-Yang (Dennis) Huang (*Humboldt-Universität zu Berlin, Germany*), Denis Jacquemin, Aurelio Bonasera, Lachezar Hristov, Yves Garmshausen, Stefan Hecht
N-Substituted Indigos as Red-Light Photoswitches with Tunable Thermal Half-Lives

MIM-POS-21

Yuki Inagaki (*Aoyama Gakuin University, Japan*), Katsuya Mutoh, Yoichi Kobayashi, Jiro Abe
Suppression of Formation of Long-Lived Transoid-Trans Colored Form of Naphthopyran Derivatives by Simple Substitutions

MIM-POS-22

Yukihide Ishibashi (*Ehime University, Japan*), Keisuke Masuda, Daichi Kitagawa, Seiya Kobatake, Tsuyoshi Asahi
Photosynergetic response on cycloreversion reaction of a diarylethene nanoparticle induced by ns-pulse excitation

MIM-POS-23

Kittimon Jirakittidul (*King Mongkut's Institute of Technology Ladkrabang, Thailand*), Rawijee Manrean, Natchanun Pornteeranawapat, Saichon Neamyoyong
Study of acid modified MWCNT by reflux method

MIM-POS-24

Nina Jungwirth (*Graz University of Technology, Austria*), Judith Radebner, Anna Eibl, Harald Stueger
Tetraacylgermanes: A novel PI system

MIM-POS-25

Shigeki Kawabata (*Toyama Prefectural University, Japan*), Kimihisa Matsumoto, Masanori Sakakibara, Kazuhide Kamiya, Mitsuru Inada
Luminescence Property of Water Dispersed Porous Si Terminated by Carboxylic Acid Derivatives

MIM-POS-26

Cheol Woong Kim (*KU Leuven, Belgium*), Wouter Baekelant, Maarten B. J. Roeffaers, Johan Hofkens
Characterization of Photoluminescence and Crystal Structure of Luminescent Silver nanoclusters Confined Zeolite X

MIM-POS-27

Moe Kitaba (*Osaka City University, Japan*), Mitsuhiro Matsumoto, Taka-Aki Asoh, Tatsuya Shoji, Takashi Nishiyama, Hideo Horibe, Yasuyuki Tsuboi
A Laser T-jump Study on the Phase Separation Dynamics of Poly(N-isopropylacrylamide) Copolymerized with Hydrophilic Monomer

MIM-POS-28

Masafumi Koga (*Osaka University, Japan*), Yusuke Yoneda, Hikaru Sotome, Hiroshi Miyasaka

Photoionization dynamics of a phenylenediamine derivative in condensed phase induced by multiphoton ionization

MIM-POS-29

Aya Kometani (*Aoyama Gakuin University, Japan*), Katsuya Mutoh, Yoichi Kobayashi, Jiro Abe

Negative Photochromism of Biphenyl Bridged Imidazole Dimer Derivatives

PSS-POS-01

Yamen AlSalka (*Leibniz Universität Hannover, Institut für Technische Chemie, Photocatalysis & Nanotechnology, Hannover, Germany*), Detlef W. Bahnemann

Oxalic Acid Photoreforming With Simultaneous Hydrogen Evolution: Kinetic Aspects

PSS-POS-02

Claudia Bizzarri (*Karlsruhe Institute of Technology, Germany, Università di Bologna, Italy*), Susanne Mahnke, Elia Matteucci, Letizia Sambri, Dmitry Tungulin

Copper(I) and Zinc(II) metal complexes as photosensitizers for small molecules activation

PSS-POS-03

Salma Bougarrani (*Université Mohammed V-Agdal, Laboratoire de Chimie des Matériaux, Nanomatériaux et environnement, Faculté des Sciences, Rabat, Morocco*), Mohammed El Azzouzi, Roger GlaserParameters affecting the photocatalytic degradation of Imazapyr herbicide in aqueous solution using $\text{Ca}_x\text{MnO}_y/\text{TiO}_2$ composite

PSS-POS-04

A. Davidson (*Sorbonne Universités, Institut des Matériaux de Paris Centre, Laboratoire de Réactivité de Surface, CNRS, Paris, France*), N. Tabaja, S. Casale, D. Brouri, J. Toufaily, T. Hamieh, S. Sladkevich, R. Cole

Iron Oxide Nanoparticles for Photocatalysis under Visible Light

PSS-POS-05

A. Davidson (*Sorbonne Universités, Institut des Matériaux de Paris Centre, Laboratoire de Réactivité de Surface, CNRS, Paris, France*), L. Leroi, S. Casale, D. Brouri, R. ColeSurface graphitization of TiO_2 to drive optical properties, to tailor the absorption and decomposition of dyes under visible light

PSS-POS-06

Clémence Duclouet (*Institut de Chimie Moléculaire et des Matériaux d'Orsay, Université Paris-Sud, CNRS, Orsay, France*), Rajaa Farran, Julien Buendia, Zakaria Halime, Vincent Gandon, Philippe Dauban, Winfried Leibl, Marie Sircoglou, Ally Aukauloo $\text{Rh}_2(\text{esp})_2$: Toward photocatalytic Nitrogen Atom Transfer

PSS-POS-07

Marika Hayashi (*Department of Applied Chemistry, Chuo University, Tokyo, Japan*), Yui Yamaguchi, Hiroaki Suzuki, Woon Yong Sohn, Kenji KatayamaAlignment of micron-sized TiO_2 particles as a platform for highly efficient photocatalytic reaction

PSS-POS-08

Yee Ann Ho (*Institute of Organic Chemistry, RWTH Aachen, Aachen, Germany*), David C. Fabry, Julian Krischel, Lena Henkel, Magnus Rueping

Polymeric Organophotocatalyst as Catalytic Oxidant for Metal Catalysis

PSS-POS-09

Soonhyun Kim (*Smart Textile Convergence Research Group, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Republic of Korea*), Minsun Kim, Sang Kyoo Lim, Yiseul Park

Photocatalytic Degradation of Aqueous Pollutants using Titania-coated Plastic Optical Fiber Fabrics

PSS-POS-10

Sergei Manzhos (*Department of Mechanical Engineering, National University of Singapore, Singapore*), Daniel Koch

The oxidation state of titanium in titanium dioxide is +3, not +4

PSS-POS-11

Magdalena Mikrut (*Faculty of Chemistry, Jagiellonian University, Kraków, Poland*), Anna Regiel-Futyra, Wojciech Macyk, Grażyna Stochel, Rudi van Eldik

Characteristics of the model PM (SRM 1648a, NIST) and its photoactivity in reactive oxygen species generation

PSS-POS-12

Naoto Nakajima (*Department of Applied Chemistry, Chuo University, Tokyo, Japan*), Taisei Nishimura, Miki Yamaguchi, Shota Kuwahara, Woon Yong Sohn, Kenji Katayama

Preparation of photoelectrodes with periodic micro-structure

PSS-POS-13

A. Neren Okte (*Bogazici University, Department of Chemistry, Istanbul, Turkey*), Duygu Tuncel, Dimitris Karamanis, Ekaterina Chalkia

Graphene oxide supported ZnO and TiO₂ nanocomposites

PSS-POS-14

Ramesh Chand Meena (*JNV University, Jodhpur, India*)

Studies of surfactants for solar energy conversion and storage

PSS-POS-15

Waqas Saddique (*Institute of Energy Research and Physical Technologies, Clausthal-Zellerfeld, Germany*), Gerhard Lilienkamp, Winfried Daum

Formation of stable surface oxides at n-GaP(100) photoanodes with increased durability for photoelectrochemical applications

PSS-POS-16

Muhammad Sohail (*Qatar Environment & Energy Research Institute, Doha Qatar*), Salvador Moncho, Edward N. Brother, Ashfaq Bengal, Allen M. Lunsford, Jan H. Blank, Marcetta Y. Darensbourg

Intermediates in the Photochemical Dehydrogenation of Borane-Amines

PSS-POS-17

Atsuhiko Tanaka (*Department of Applied Chemistry, Faculty of Science and Engineering, Kindai University, Osaka, Japan*), Keiji Hashimoto, Hiroshi Kominami

Control of surface plasmon resonance of Au/SnO₂ by modification with Ag and Cu for photoinduced reactions under visible-light irradiation

PSS-POS-18

Mateusz Trochowski (*Faculty of Chemistry, Jagiellonian University, Kraków, Poland*), Marcin Kobiela, Marcin Surówka, Wojciech Macyk

ALD-made TiO₂ layers on titania as a method for activity improvement in photocatalytic reactions

PSS-POS-19

Kasper Wenderich (*MLU Halle-Wittenberg, ZIK SiLi-nano, Light for Hydrogen, Halle, Germany / University of Twente, MESA+ Institute for Nanotechnology, Enschede, The Netherlands*), Kai Han, Jens Lange, Georg Woltersdorf, Guido Mul, A. Wouter Maijenburg

Efficient cocatalyst design: a study of Pt photodeposition on WO₃

PSS-POS-20

Tianjun Yu (*Key Laboratory of Photochemical Conversion and Optoelectronic Materials, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*), Wen Wang, Yi Li

Photoinduced Hydrogen Evolution Catalyzed by a Synthetic Diiron [2Fe2S]-hydrogenase Mimic Embedded within Dendrimer Matrix

Bio-POS-01

Mayeul Collot (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Université de Strasbourg, Illkirch, France*), Pichandi Ashokkumar, Lydia Danglot, Andrey Klymchenko

A New Family of Bright Dioxaborine-Based Merocyanine Fluorophore for Multicolour Imaging of Lipid Droplets in Live Cells

Bio-POS-02

Alberto Mezzetti (*LRS, UMR 7197, Université Pierre et Marie Curie, Paris and SB2SM, IBITeC-S, CEA-Saclay, Gif-sur-Yvette, France*), Marco Malferrari, Francesco Francia, Giovanni Venturoli, Winfried Leibl

Time-resolved FTIR studies on electron transfer reactions and associated events in photosynthetic reaction centers and membranes

Bio-POS-03

Tseimur Aliyev (*A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Moscow, Russia and Department Chemie-Biologie, Organische Chemie II, Universität Siegen, Siegen, Germany*), Daria Berdnikova, Olga Fedorova, Elena Gulakova, Heiko Ihmels

Photocyclization of Mono- and Bis-styrylazaheterocycles. A Straightforward Way to DNA-Binding Benzo[c]quinolizinium Derivatives

Bio-POS-04

Bohdan Andreiuk (*University of Strasbourg, UMR CNRS 7213, Laboratoire de Biophotonique et Pharmacologie, Illkirch, France*), Andreas Reisch, Marion Lindecker, Andrey S. Klymchenko

Counterion-enhanced emission approach to develop ultrabright cyanine-loaded fluorescent polymer nanoparticles for cell barcoding

Bio-POS-05

Muserref Arslan Ocsoy (*Department of Physics, Faculty of Science, Erciyes University, Kayseri, Turkey*), Ismail Ocsoy

DNA aptamer conjugated magnetic graphene oxide as a multifunctional nanoplatform for molecular recognition and photothermally destruction of methicillin-resistant staphylococcus aureus cells

Bio-POS-06

Murat Atar (*University of Cologne, Department of Chemistry, Cologne, Germany*), Axel G. Griesbeck

Design of probes for ROS Detection in dependence of their photophysical properties

Bio-POS-07

Shrabani Barman (*Department of Chemistry, Krishnath College, Berhampore, Murshidabad, West Bengal, India*)

Lysosome-targeted photoresponsive drug delivery system with "AIE + ESIPT" induced Light-Up characteristics for the efficient cancer therapy

Bio-POS-08

Valérie Berl (*Université de Strasbourg, CNRS, Laboratoire de Dermatochimie, Institut de Chimie, Strasbourg, France*), Audrey Kost, Sébastien Fuchs, Jean-Pierre Lepoittevin, Noelle Potier, Emmanuelle Leize-Wagner

Chronic actinic dermatitis and sequiterpene lactones : investigation toward the mechanism of photosensitivity

Bio-POS-09

Sandipan Biswas (*Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India*), N. D. Pradeep Singh

An Environment Activable Nanoprodrug: Two-Step Surveillance in the Anticancer Drug Release

Bio-POS-10

Redouane Bouchaala (*CNRS UMR 7213, Laboratoire de Biophotonique et Pharmacologie, University of Strasbourg, Illkirch, France and Laboratory of Photonic Systems and Nonlinear Optics, Institute of optics and fine mechanics, University of Sétif 1, Algeria*), Luc Mercier, Bohdan Andreiuk, Ievgen Shulov, Yves Mély, Thierry Vandamme, Jacky G. Goetz, Nicolas Anton, Klymchenko Andrey

Near-Infrared FRET imaging reveals the fate and integrity of lipid nanocarriers in healthy and tumor-bearing mice

Bio-POS-11

Gilles Clavier (*PPSM, ENS Cachan, CNRS, Université Paris-Saclay, Cachan, France*), Rachel Méallet-Renault, Chloé Grazon, Yang Si, Jutta Rieger

Fluorescent polymeric nanoparticles containing bodipy: synthesis, photophysical studies and application.

Bio-POS-12

Mayeul Collot (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Université de Strasbourg, Illkirch, France*), Pichandi Ashokkumar, Halina Anton, Emmanuel Boutant, Orestis Faklaris, Thierry Galli, Lydia Danglot, Yves Mély, Andrey Klymchenko

MemBright: a Family of Red to Near-Infrared Cyanine Fluorescent Membrane Probes for Mono and Two-Photon Cell and Tissue Imaging

Bio-POS-13

Svetlana V. Eliseeva (*Centre de Biophysique Moléculaire, CNRS UPR 4301, Orléans, France*), Ivana Martinić, Tu Nguyen, Evan R. Trivedi, Vincent L. Pecoraro, Stéphane Petoud

Near-Infrared Emitting Zn^{II}/Ln^{III} Metallacrowns: Photophysical Properties and Biological Imaging Applications

Bio-POS-14

Nicolas Fantozzi (*Institut des Sciences Moléculaire, UMR CNRS 5255, Université de Bordeaux, Talence, France*), Emilie Genin, Sara Lefevre, Alexandre Martinez, Rémi Pétuya, Didier Bégué, Sandra Pinet, Isabelle Gosse

New fluorescent probes for neurotransmitters detection

Ufast-POS-01

Mario Gerecke (*Department of chemistry, Humboldt Universität zu Berlin, Germany*), Genaro Bierhance, Michael Gutman, Arnulf Rosspointner, Nikolaus P. Ernsting
fs broadband FLuorescence UPconversion Spectroscopy (FLUPS): Spectral coverage versus efficiency

Ufast-POS-02

Julien Gorenflot (*King Abdullah University of Science and Technology, Saudi Arabia*), Jannic Wolf, Maxime Babics, Qasim Saleem, Andreas Paulke, Ahmed E. Balawi, Dieter Neher, Pierre M. Beaujuge, Frederic Laquai
Tuning of energy transfer and charge photogeneration in small molecule based bulk heterojunction via molecular engineering revealed by time-resolved spectroscopy

Ufast-POS-03

Yukihide Ishibashi (*Graduate School of Science and Engineering, Ehime University, Matsuyama, Ehime Japan*), Mako Murakami, Koji Araki, Toshiki Mutai, Tsuyoshi Asahi
Femtosecond microspectroscopic study on excited-state intramolecular proton transfer of crystalline cyano-substituted imidazo[1,2-a]pyridine

Ufast-POS-04

Tetsuro Katayama (*Department of Chemistry School of Science and Technology Kwasei Gakuin University 2-1 Gakuen, Sanda, Japan*), Harunobu Suenaga, Tomoki Okuhata, Naoto Tamai
Exciton dynamics of colloidal perovskite nanoparticles by femtosecond light scattering microscopy

Ufast-POS-05

Tamás Keszthelyi (*MTA Wigner Research Centre for Physics, Budapest, Hungary*), Zoltán Németh, Mátyás Pápai, Dorottya Szemes, Christian Bressler, Wojciech Gawelda, Anne Marie March, Gilles Doumy, Linda Young, Kristoffer Haldrup, Martin M. Nielsen, György Vankó
Tracking light-induced ultrafast transformations of transition metal complexes with hard X-ray spectroscopy

Ufast-POS-06

Akihiro Koide (*Institute for Molecular Science, Okazaki, Japan*), Youhei Uemura, Daiki Kido, Yuki Wakisaka, Yasuhiro Niwa, Shunsuke Nozawa, Shin-ichi Adachi, Tetsuo Katayama, Makina Yabashi, Keisuke Hatada, Satoru Takakusagi, Kiyotaka Asakura, Bunsho Ohtani, Toshihiko Yokoyama
Investigation of excited states of WO₃ in picoseconds by L₁-edge XANES

Ufast-POS-07

Sebastian V. Kruppa (*Department of Chemistry TU Kaiserslautern, Germany*), F. Böppler, Y. Nosenko, S. P. Walg, R. Diller, W. Klopper, C. Riehn
Ultrafast electronic dynamics of bridged, binuclear Ag/Au-phosphine complexes in an ion trap and in solution

Ufast-POS-08

Tatu Kumpulainen (*University of Geneva, Department of Physical Chemistry, Switzerland*), Arnulf Rosspeintner, Bogdan Dereka, Eric Vauthey

An excited-state proton transfer disentangled by fs broadband spectroscopies

Ufast-POS-09

R. Scott Murphy (*Department of Chemistry and Biochemistry, Research and Innovation Centre, University of Regina, Canada*), Khalid M. Siddiqui, Gastón Corthey, Stuart A. Hayes, Andreas Rossos, Daniel S. Badali, Rui Xian, Benjamin J. Whitaker, R. J. Dwayne Miller

Synchronised photoreversion of spirooxazine ring opening in thin crystals to uncover ultrafast dynamics

Ufast-POS-10

Lipsa Nag (*Ecole Polytechnique, CNRS, INSERM, Université Paris-Saclay, Palaiseau, France*), Pierre Sournia, Ursula Liebl, Marten H. Vos

Ultrafast photochemistry of flavoenzymes: spectroscopic demonstration of protonated tyrosine radical TyrOH^{o+}

Ufast-POS-11

Tatsuo Nakagawa (*Unisoku Co., Ltd. Hirakata, Osaka, Japan*), Hiroaki Hanada, Kido Okamoto, Toshiaki Suzuki, Ryuzi Katoh, Tomoyoshi Suenobu

Simultaneous Measurements of Transient Absorption and Luminescence by Using a Randomly-Interleaved-Pulse-Train (RIPT) Method

Ufast-POS-12

Martin Quick (*Humboldt-Universität zu Berlin, Department of Chemistry, Berlin, Germany*), Celin Richter, Ilya Ioffe, Nikolaus P. Ernsting, Sergey A. Kovalenko

Discerning rotamers of fluorinated stilbenes via transient absorption and femtosecond-stimulated Raman spectroscopy

Ufast-POS-13

Valérie Schwanen (*University of Liège, Theoretical Physical Chemistry, Department of Chemistry, Belgium*), Françoise Remacle

Photo-induced intramolecular charge migration on gold nanoclusters passivated by a chromophore ligand: a computational study

Theory-POS-01

Marco Campetella (*Chimie ParisTech, PSL Research University, CNRS, Institut de Recherche de Chimie Paris, France*), Federica Maschietto, Mike J. Frisch, Giovanni Scalmani, Ilaria Ciofini, Carlo Adamo

Charge Transfer Excitations in TDDFT: a Ghost-Hunter Index

Theory-POS-02

Hugo Gattuso (*Théorie-Modélisation-Simulation, Université de Lorraine – Nancy and CNRS, SRSMC, Nancy, France*), M. Marazzi, S. Mai, D. Roca-Sanjuán, L. Gonzáles, A. Monari

Benzophenone: Photosensitization routes in DNA

Theory-POS-03

Etienne Gindensperger (*Laboratoire de Chimie Quantique, Institut de Chimie de Strasbourg, CNRS - Université de Strasbourg, France*), Chantal Daniel

Spin-Vibronic Excited-State Quantum Dynamics in Transition Metal Complexes

Theory-POS-04

Jérôme Gomar (*L'Oréal, Research and Innovation, 1 Avenue Eugène Schueller, 93601 Aulnay-sous-Bois, France*), Stefania Di Tommaso, Diane Bousquet, Delphine Moulin, Frédéric Baltenneck, Priscilla Riva, Hervé David, Aziz Fadli, Ilaria Ciofini, Carlo Adamo

Theoretical approaches for predicting the color of rigid dyes in solution

Theory-POS-05

Yu Harabuchi (*Department of Chemistry, Faculty of Science, Hokkaido University, Sapporo, Japan*), Kenichiro Saita, Tetsuya Taketsugu, Satoshi Maeda

Theoretical study of photoreaction mechanism based on automated exploration of minimum energy conical intersection and seam of crossing geometries

Theory-POS-06

Marie-Catherine Heitz (*Laboratoire de Chimie et Physique Quantiques, IRSAMC, CNRS/Université Paul Sabatier, Toulouse, France*), Nadia Ben Amor, Adrien Soupard

Valence excited states of an iron-porphyrin complex: multireference wavefunction calculations

Theory-POS-07

Horst Köppel (*Theoretical Chemistry, Heidelberg University, Heidelberg, Germany*), Adrian Komanda

Ab initio approach to UV spectra and photodynamics of small polyenes

Theory-POS-08

Benjamin Lasorne (*Institut Charles Gerhardt, CNRS – Université de Montpellier, Montpellier, France*), A. Perveaux, D. Mendive-Tapia, E. K.-L. Ho, M. Lorphelin, M.-L. Doublet, T. Etienne, D. Lauvergnot, M. A. Robb, M. J. Bearpark, G. A. Worth

Diabatic Strategies for Molecular and Macromolecular Photodynamics

Theory-POS-09

Federica Maschietto (*Equipe CTM, PSL Research University Paris, IRCP, Ecole Nationale Supérieure Chimie, Paris, France*), Marco Campetella, Ilaria Ciofini

D_{CT} : A useful tool for the characterization of charge transfer excited states from small organic molecules to large metal complexes.

Theory-POS-10

Christoph Meier (*Laboratoire Collisions Agrégats et Réactivité, IRSAMC, CNRS/Université Paul Sabatier, Toulouse, France*), Alexander Schubert, Cyril Falvo

Vibrational relaxation and decoherence of photolyzed carbon monoxide in a hemoprotein: dynamical simulations and non-linear optical response signals for the detection of coherence decay

Theory-POS-11

Kenichiro Saita (*Department of Chemistry, Faculty of Science, Hokkaido University, Sapporo, Japan*), Yu Harabuchi, Tetsuya Taketsugu, Satoshi Maeda

Mechanism and substituent effects on reactivity of the photochemical ligand substitution of fac-[Re(bpy)(CO)₃(PR₃)]⁺ complex

Theory-POS-12

Juan Sanz García (*Ecole Nationale Supérieure de Chimie de Paris - Chimie ParisTech, PSL Research University Paris, France*), Marco Campetella, Federica Maschietto, Ilaria Ciofini

Describing Photoinduced Proton Coupled Electron Transfer Reactions: Exploring the Possibilities of Density-Based Index

FundPP-POS-33

Elisa M. Brás (*Department of Chemistry, University of Coimbra, Portugal*), Rui Fausto

On the tautomerism of 2-mercaptobenzimidazol: A photoinduced reaction in solid argon

FundPP-POS-34

Irina Mardaleishvili (*N.N. Semenov Institute of Chemical Physics RAS, Moscow, Russian Federation*), Alexander Lubimov, Liubov Koltsova, Andrey Shienok, Peter Levin, Natalia Zaichenko

Substituent Effect on Luminescence of Novel Tetraarylimidazole Derivatives

FundPP-POS-35

Giuseppina Massaro (*University of Perugia, Perugia, Italy*), Jordi Hernando, Daniel Ruiz-Molina, Claudio Roscini, Loredana Latterini

Mechanism of organic dyes aggregation in aliphatic phase change materials

FundPP-POS-36

Svetlana Matveeva (*Voevodsky Institute of Chemical Kinetics and Combustion, Novosibirsk, Russia*), Evgeni Glebov, Ivan Pozdnyakov, Alexey Melnikov, Marina Rogozina, Vladislav Yudanov

Photochemistry of hexachloroosmate complex in aqueous and ethanolic solutions

FundPP-POS-37

Jadwiga Milkiewicz (*Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland*), Gonzalo Angulo, Daniel Kattnig, Michał Nejbauer, Yuriy Stepanenko, Jan Szczepanek, Czesław Radzewicz, Paweł Wnuk, and Günter Grampp

Influence of the excitation light intensity on the rate of fluorescence quenching reactions: pulse experiments

FundPP-POS-38

Bokolombe Pitchou Ngoy (*Department of Chemistry, Rhodes University, Grahamstown, South Africa*), John Mack, Tebello Nyokong

Photophysical Properties and TD-DFT Calculations studies of BODIPY dyes conjugated with 4-benzoyloxybenzaldehyde

FundPP-POS-39

Hiromasa Nishikiori (*Shinshu University, Nagano, Japan*), Masahiro Takeshita, Yoshihiro Komatsu

Photon upconverted emission based on dye-sensitized triplet-triplet annihilation in silica sol-gel system

FundPP-POS-40

Pakorn Pasitsuparoad (*Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland*), Gonzalo Angulo, Arnulf Rosspointner, Jakub Jędrak, Anna Ochab-Marcinek, Czesław Radzewicz, Michał Nejbauer, Yuriy Stepanenko

Dynamics of photo-induced electron transfer in fluid solution in the context of a Generalized Langevin treatment with almost fully experimentally determined quantities

FundPP-POS-41

C. Phansa (*Cavendish Laboratory, University of Cambridge, Cambridge, UK*), M.J.Y. Tayebjee, A.B. Pun, S.N. Sanders, E. Kumarasamy, M.Y. Sfeir, L.M. Campos, A. Rao
What Drives Intramolecular Singlet Fission?

FundPP-POS-42

Alexander Ponyaev (*Saint-Petersburg State Institute of Technology (Technical University), Saint-Petersburg, Russia*), Margarita Subbotina, Yana Glukhova
Photoisomerization of 2-(3-nitro-2-pyridylmethyl)benzazoles at flash photolysis

FundPP-POS-43

Ivan Pozdnyakov (*Voevodsky Institute of Chemical Kinetics and Combustion, Siberian Branch of the Russian Academy of Sciences, Russian Federation*), Evgeni Glebov, Danila Vasilchenko, Andrey Zadesenets, Alexey Melnikov, Vjacheslav Grivin, Victor Plyusnin
Primary Photochemical Processes For Pt(IV) Diiodine and Diazido Complexes Prospective As Prodrugs In PDT Processes

FundPP-POS-44

Belinda P. Rimgard (*Uppsala University, Department of Chemistry, Uppsala, Sweden*), Burkhard Zietz, Marcus Lundberg, Jens Föhlinger, Jonas Petersson, Ann Marie Woys, Stephen A. Miller, Michael R. Wasielewski, and Leif Hammarström
Interligand Electron Transfer Dynamics in Ruthenium Polypyridyl Dyes for Sensitized Solar Cells Determined with Femtosecond IR Transient Absorption Anisotropy

FundPP-POS-45

Prokopenko Alexandr (*Tomsk State University, Tomsk, Russia*), Kuznetsova Rimma, Aksenova Iuliia, Bumagina Natalia
Photochemical and photophysical properties of novel dipyrromethene complexes with zinc

FundPP-POS-47

Diego Sampedro (*Department of Chemistry, Universidad de La Rioja, Spain*)
Photocontrol of structure and properties in bioactive molecules

FundPP-POS-48

Shakirova Julia (*Saint-Petersburg State University, Institute of Chemistry, Saint-Petersburg, Russia*), Grachova Elena, Tunik Sergey
New cyclometalated Au(III) dialkynyl complexes with tunable phosphorescence and high dioxygen sensibility

FundPP-POS-49

Karina Shimizu (*Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal*), Adilson A. Freitas, Shota Hisamitsu, Nobuhiro Yanai, Nobuo Kimizuka, José N. C. Lopes
Modeling of Triplet-Triplet Annihilation on Ionic Liquid systems

FundPP-POS-50

Anton Shushakov (*Voevodsky Institute of Chemical Kinetics and Combustion, Novosibirsk, Russia*), Ivan Pozdnyakov, Evgeni Glebov, Vjacheslav Grivin, Victor Plyusnin, Danila Vasilchenko, Andrey Zadesenets, Aleksey Melnikov
Photophysics and photochemistry of diazide PtIV complexes prospective for anti-cancer photodynamic therapy

FundPP-POS-51

Woon Yong Sohn (*Faculty of Science and Technology, Chuo University, Tokyo, Japan*), Shota Kuwahara, James E. Thorne, Dunwei Wang, Kenji Katayama

Investigation of photo-excited carrier dynamics in hematite and the effect of surface modifications by advanced transient grating technique

FundPP-POS-52

Jean-Pierre Malval (*Université de Haute-Alsace, Institut de Science des Matériaux de Mulhouse, Mulhouse, France*), Laura Chia Gomez, Stephan Knopf, Olivier Soppera, Karine Mougín, Arnaud Spangenberg

Exploring and exploiting two-photon polymerization for 3D Microfabrication

FundPP-POS-53

Eduard Stadler (*U-Graz, Institute of Physical and Theoretical Chemistry, Graz, Austria*), David E. Fast, Anna Eibel, Georg Gescheidt

Using Low Power LEDs for a Simple and Quick Estimation of Quantum Yields

FundPP-POS-54

Kati Stranius (*Department of Chemistry and Molecular Biology, University of Gothenburg, Gothenburg, Sweden*), Karl Börjesson

Strong light-matter interactions for facilitated light emission

FundPP-POS-55

Supriya Ghosh (*School of Basic Sciences, Indian Institute of Technology, Mandi, India*), Suman Kalyan Pal

Auger-assisted hole transfer from photoexcited ZnO to CdS quantum dots

FundPP-POS-56

Zoltán Szakács (*Department of Physical Chemistry and Materials Science, Budapest University of Technology and Economics, Budapest, Hungary*), Márton Bojtár, Dóra Hessz, István Bitter, Miklós Kubinyi

Photoredox reactions of naphthalimide bipyridinium conjugates

FundPP-POS-57

Thu-Trang Tran (*Institut des Sciences Moléculaires d'Orsay, Univ Paris-Sud, Univ. Paris-Saclay, France*), Minh-Huong Ha-Thi, Thomas Pino, Emmanuel Allard, Rachel Meallet-Renault, Karen Wright

Studies of photoinduced processes in a BODIPY-Fullerene Dyad

FundPP-POS-58

Stefanie Tschierlei (*University of Rostock, Institute of Physics, Rostock, Germany & Ulm University, Institute of Inorganic Chemistry, Ulm, Germany*), Antje Neubauer, Nils Rockstroh, Michael Karnahl, Henrik Junge, Matthias Beller, Stefan Lochbrunner

Ultrafast Excited State Dynamics of Iridium(III) Photosensitizers

FundPP-POS-59

Seiichi Uchiyama (*Graduate School of Pharmaceutical Science, The University of Tokyo, Tokyo, Japan*), Kyoko Kawamoto, Chie Gota, Toshitada Yoshihara, Seiji Tobita, Patricia Remón, Uwe Pischel

An environment-sensitive fluorophore methoxybenzocoumarin emitting in protic environments

FundPP-POS-60

Sandra M. V. Pinto (*Department of Chemistry, University of Coimbra, Portugal*), Cláudio M. Nunes, Igor Reva, Rui Fausto

On the photochemistry of 3-amino-1,2-benzisoxazole: The unexpected photoisomerization of an amino-spiro-2H-azirine to a 1H-diazirine

FundPP-POS-61

Witold Walecki (*Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland*), Michał Gil, Ephriem T. Mengesha, Sebastian Peukert, Michał Kijak, Jerzy Sepioł, Anne Zehnacker-Rentien, Jacek Waluk

Vibrational Structure of Macrocyclic Azaannulenes: Supersonic Jet Spectroscopy and DFT Modeling of Porphycene Derivatives

FundPP-POS-62

Junsi Wang (*School of Chemistry, Trinity College Dublin, Ireland*), Yue Lu, Jianzhang Zhao, Sylvia M. Draper

Dinuclear transition metal complexes and their application as triplet photosensitisers for TTA upconversion and Photodynamic Therapy

FundPP-POS-63

Eugeny Ermilov (*PicoQuant GmbH, Berlin, Germany*), Manoel Veiga, Hans-Jürgen Rahn, Tino Roehlicke, Marcus Sackrow, Alexander Glatz, Christian Litwinski, Sebastian Tannert, Uwe Ortmann, Rainer Erdmann

Optimizing a Time-Resolved Spectrometer for all time scales

FundPP-POS-64

Xian-Fu Zhang (*Hebei Normal University of Science and Technology, Qinhuangdao, China*), Nan Feng

Strong enhancement in the formation of singlet oxygen and excited triplet state by meso-aryl substitution: BODIPYs with attached phenyl, naphthyl, anthryl, and pyrenyl

FundPP-POS-65

Julien Eng (*Newcastle University, School of Chemistry, UK*), Thomas Penfold

High efficiency TADF molecule – Theoretical study

MIM-POS-30

Maren Krause (*Universität zu Köln, Germany*), Axel Klein, Klaus Meerholz, Christian A. StrassertLuminescence and Electrochemistry of Platinum(II)-Complexes bearing tridentate C^NC and C^NN Ligands

MIM-POS-31

Hiromu Kubo (*Kyoto University, Japan*), Takashi Hirose, Kenji Matsuda

Strategic improvement of the emission properties by controlling the symmetry and energy levels of their molecular orbitals

MIM-POS-32

Sangsu Lee (*Yonsei University, Korea*), Seok Il Jung, Dongho KimElectron Transfer from Triplet State of TIPS-Pentacene Generated by Singlet Fission Processes to CH₃NH₃PbI₃ Perovskite

MIM-POS-33

Aicha Machrouhi (*University Hassan 1, Morocco*), H. Tounsadi, M. Farnane, N. Barka

Thapsia rods as a low-cost biosorbent for efficient removal of dyes from aqueous solutions

MIM-POS-34

Sergei Manzhos (*National University of Singapore, Singapore*), Amrita Pal, Chia Yao Jun, Lai Kai Wen

Comparative Density Functional Theory - Density Functional Tight Binding study of fullerene derivatives: effects of addends, buckyball size, and crystallinity on properties affecting solar cell functionality

MIM-POS-35

Colin J. Martin (*NAIST-CEMES-CNRS, France*), Miho Minamide, Takuya Nakashima, Gwénaél Rapenne, Tsuyoshi Kawai

Terarylene photoacid and photobase generators

MIM-POS-36

Virginia Martínez-Martínez (*University of the Basque Country, Spain*), Rebeca Sola-Llano, Yasuhiko Fujita, Luis Gómez-Hortigüela, Almudena Alfayate, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

Photoactive host-guest hybrid material for Non-Linear Optics by the encapsulation of LDS 722 dye into a 1-D nanochanneled aluminophosphate

MIM-POS-37

Mitsuhiro Matsumoto (*Osaka City University, Japan*), Taka-Aki Asoh, Tatsuya Shoji, Takashi Nishiyama, Hideo Horibe, Yasuyuki Tsuboi

Kinetic Study for Thermally-Induced Phase Separation of Stereo-Controlled Poly(N,N-diethylacrylamide) by Means of Transient Photometry Technique

MIM-POS-38

Cedric Mongin (*ENS Paris-Saclay, France*), Charlotte Remy, Clemence Allain, Isabelle Leray

Barbiturate and Naphthalimide Based Fluorescent Molecular Receptors Dedicated to Atrazine and Melamine Sensing

MIM-POS-39

Katsuya Mutoh (*Aoyama Gakuin University, Japan*), Yoichi Kobayashi, Jiro Abe

Photochromism of the Bridged Imidazole Dimers with Flexible Moieties

MIM-POS-40

Tatsuihiro Nagasaka (*Osaka University, Japan*), Hikaru Sotome, Kenji Kamada, Seiya Kobatake, Hiroshi Miyasaka

Efficient cycloreversion reaction of diarylethene derivatives via higher excited states attained by non-resonant simultaneous two-photon absorption

MIM-POS-41

Megumi Nakamura (*Osaka City University, Japan*), Tatsuya Shoji, Hiroshi Uyama, Yasuyuki Tsuboi, Taka-Aki Asoh

Photomechanical gel: Fabrication of photothermal bi-layered actuators by adhesion of PEDOT/PSS and thermoresponsive gels

MIM-POS-42

Kyu Hyung Park (*Yonsei University, Korea*), Taiho Park, Dongho Kim

Effects of Controlled Backbone Planarity on Exciton Manifold and Polaron Generation in Polythiophene Crystalline Domains

MIM-POS-43

Ying Peng (*Université de Troyes, France*), Maxime Dupont, Fatima Hamieh, He Liu, Xuan Quyen Dinh, Xiao Wei Sun, Renaud Bachelot

Fabrication of 3D photoluminescent nanostructures containing quantum dots by 2-photon polymerization

MIM-POS-44

Victor Plyusnin (*Institute of Chemical Kinetics and Combustion, Russia*), Eugeny Glebov, Ivan Pozdnyakov, Vyacheslav Grivin, Helge Lemmetyinen, Nikolai V. Tkachenko

Photophysics and photochemistry of haloid Pt(IV) complexes

MIM-POS-45

Stéphanie Poirier (*Université de Montréal, Canada*), Christian Reber

d-d luminescence energy variations in square-planar complexes with d^8 metal ions: a variable pressure study

MIM-POS-46

D. Paul Rillema (*Wichita State University, USA*), Venugopal R Komreddy, Curtis Moore, Huy Nguyen, Jim Yoder, John Bullinger

Syntheses, Ground-State and Excited-State Properties of Monomeric and Bridged Re (I) Tricarbonyl Complexes

MIM-POS-47

Albert Ruggi (*Université de Fribourg, Switzerland*)

Electron/energy transfer interplay in Quantum Dot-Ir(III) dyads: the role of the connecting unit.

MIM-POS-48

Yuri Saeki (*Yokohama National University, Japan*), Tetsuya Nakagawa, Yasushi Yokoyama

Highly Enantioselective Photochromism of C2-Connected Bisthiénylenes in Human Serum Albumin with Long Wavelength UV Light

MIM-POS-49

Shakirova Julia (*Saint-Petersburg State University, Russia*), Tunik Sergey

Ratiometric molecular thermometers based on dual emissive Eu(III) complexes

MIM-POS-50

Hikaru Sotome (*Osaka University, Japan*), Daichi Kitagawa, Tatsumoto Nakahama, Syoji Ito, Seiya Kobatake, Hiroshi Miyasaka

Photocyclization Reaction Dynamics of an Inverse Diarylethene Derivative as Revealed by Time-resolved Absorption and Fluorescence Spectroscopies

MIM-POS-51

Marc-Antoine Stoeckel (*Université de Strasbourg - CNRS, France*), Marco Gobbi, Sara Bonacchi, Fabiola Liscio, Laura Ferlauto, Emanuele Orgiu, Paolo Samorì

Organo-metallic hybrid perovskite for oxygen sensing

MIM-POS-52

Ayaka Tokunaga (*Aoyama Gakuin University, Japan*), Katsuya Mutoh, Yoichi Kobayashi, Jiro Abe

Photochromic Molecules Composed of Two Negative Photochromic Units

MIM-POS-53

Shota Toshimitsu (*Aoyama Gakuin University, Japan*), Katsuya Mutoh, Yoichi Kobayashi, Jiro Abe

Stepwise Two-Photon-Gated Photochromism of Bis(Reversed Phenoxy-Imidazolyl Radical Complex)

MIM-POS-54

Kenta Ushiro (*Osaka City University, Japan*), Tatsuya Shoji, Mitsuhiro Matsumoto, Taka-Aki Asoh, Takashi Nishiyama, Hideo Horibe, Yasuyuki Tsuboi

Raman microspectroscopic study on an optically trapped polymer-rich domain of poly(N-isopropylacrylamide) : Stereoregularity dependence of polymer concentration

MIM-POS-55

Katsuya Yamamoto (*Aoyama Gakuin University, Japan*), Katsuya Mutoh, Yoichi Kobayashi, Jiro Abe

Stepwise Two-Photon-Gated Photochromic Reaction of Bis([2,2]Paracyclophane-Bridged Imidazole Dimer)

MIM-POS-56

Rino Yokokura (*Yokohama National University, Japan*), Takashi Ubukata

Novel photochromic chiral dopant having bisanthracene units

MIM-POS-57

Yi Zeng (*Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China*), Bo Qiu, Yi Li

Ratiometric Fluorescence Sensor for Fluoride Detection in Water and Toothpaste

MIM-POS-58

Fan Zhang (*University of Strasbourg - CNRS, France*), Stéphane Baudron, Mir Wais Hosseini

Functionalized dipyrin ligands for the construction of coordination networks

PSS-POS-21

Alexey V. Baklanov (*Institute of Chemical Kinetics and Combustion, Novosibirsk State University, Novosibirsk, Russia*), Georgii A. Bogdanchikov

Binding of oxygen with titanium dioxide on singlet potential energy surface: An ab initio investigation

PSS-POS-22

Sebastian Furer (*Monash University, ARC Centre of Excellence in Exciton Science, Department of Chemistry, Clayton, Australia*), Rebecca Milhuisen, Shraavan Archaya, Udo Bach

Cu I/II Bis-phenanthroline Complexes as Redox Couples for Dye-Sensitized Solar Cells

PSS-POS-23

Seung Yo Choi (*School of Energy Engineering, School of Architectural, Civil, Environmental and Energy Engineering*), Hyunwoong ParkEnhanced Hole Mobility on Electrochemically Synthesized p-type CuAlO₂ Photoelectrodes for Efficient Solar Hydrogen Production

PSS-POS-24

Ainhoa Cots (*Departament de Quımica Fısica i Institut Universitari d'Electroquımica. Universitat d'Alacant, Alacant, Spain*), Roberto G3mez

Hematite photoanode bifunctionalization through modification with ytterbium and molybdenum

PSS-POS-25

Edoardo Domenichini (*Universite de strasbourg, CNRS, IPCMS, Strasbourg, France*), Li Liu, Johanna Brazard, Thibaut Duchanois, Marc Beley, Phillippe C. Gros, Stefan HaackeMolecular design parameters for extended ³MLCT lifetimes in Fe(II)-NHC complexes

PSS-POS-26

Alaeddine Elhalil (*Univ. Hassan 1, Laboratoire des Sciences des Materiaux, des Milieux et de la Modelisation, Khouribga, Morocco*), Mhamed Sadiq, Mohamed Abdennouri, Nouredine Barka

A new route for synthesis of Ag-ZnO nanocomposite with enhanced photocatalytic activity

PSS-POS-27

Mateusz Gierszewski (*Adam Mickiewicz University in Pozna, Faculty of Physics, Pozna, Poland*), Iwona Grdzka, Adam Glinka, Marcin Zi3łek

New insights into the limitations of solar cells sensitized with ruthenium dyes revealed in time-resolved spectroscopy studies

PSS-POS-28

L.A Hernandez (*Instituto Politecnico Nacional, Centro de Investigaci3n en Ciencia Aplicada y Tecnologa Avanzada, Unidad Legaria, Ciudad de Mexico, Mexico*), V. Suarez, L. Lartundo, J. Escobar, . MantillaPhotoreduction of Cr⁶⁺ using CdS in presence of visible light

PSS-POS-30

Ewelina Krzyszkowska (*Faculty of Chemistry, Adam Mickiewicz University, Poznan, Poland*), Leszek Stobiński, Artur Małolepszy, Marta Mazurkiewicz-Pawlicka, Bronisław Marciniak, Anna Lewandowska Andrałojć

Noncovalent interaction between 5,10,15,20-tetrakis(4-(hydroxyl)-phenyl) porphyrin and graphene oxide

PSS-POS-31

Stéphanie Mendes Marinho (*Institut de Chimie Moléculaire et des Matériaux d'Orsay, Université Paris-Sud, CNRS, Orsay, France*), Ally Aukauloo, Winfried Leibl, Hynd Remita

Development of a new semi-conductor polymer for solar fuel production, through artificial photosynthesis

PSS-POS-32

Peter Müller (*University of Zürich Department of Chemistry, Zürich, Switzerland*), Roger Alberto

Synthesis and Activity of Substituted Cobalt Polypyridyl Water-Reduction Catalysts

PSS-POS-33

Kousuke Nakanishi (*Interdisciplinary Graduate School of Science and Engineering, Kindai University, Osaka, Japan*), Atsuhiko Tanaka, Keiji Hashimoto, Hiroshi Kominami

Photocatalytic hydrogenation of furan over palladium-loaded titanium dioxide without addition of H₂ gas

PSS-POS-34

A.Quattropani (*Université de Strasbourg, CNRS, ICube Laboratory, Strasbourg, France*), J.L.Rehspringer, G.Schmerber, G.Versini, M.Rastei, A.Dinia, T.Fix, A Slaoui

Ferroelectric Inorganic Perovskite Oxides for Photovoltaic Applications

PSS-POS-35

G. Romero Ortiz (*Instituto Politécnico Nacional, CICATA-Legaria, México D.F, México*), L. Lartundo Rojas, V. Suárez, A. Mantilla

High efficient photocatalyst based on calcined functionalized ZnAl LDH for the photodegradation of phenol

PSS-POS-36

Johanna Schwarz (*Institute of Organic Chemistry, University of Regensburg, Regensburg, Germany*), Burkhard König

Decarboxylative Alkylation and Alkynylation of Biomass-Derived Compounds by Metal-Free Visible-Light Photocatalysis

PSS-POS-37

Alexander J. Stephens (*University of Basel, Department of Inorganic Chemistry, Basel, Switzerland*), Catherine E. Housecroft, Edwin C. Constable

The Influence of Phosphonic Acid Protonation State on the Efficiency of Bis(diimine)copper(I)-based Dye Sensitized Solar Cells

PSS-POS-38

Thierry Toupance (*ISM, CNRS, University of Bordeaux, Talence, France*), Md. Tamez Uddin, Yohann Nicolas, Céline Olivier, Wolfram Jaegermann, Nils Rockstroh, Henrik Junge
Band alignment investigations of heterostructure NiO/TiO₂ nanomaterials used as efficient heterojunction earth-abundant metal oxide photocatalysts for hydrogen production

PSS-POS-39

Nicola Weder (*University of Zürich Department of Chemistry, Zürich, Switzerland*), Benjamin Probst, Grigory Smolentsev, Roger Alberto
The Unexpected Role of Ligand Moieties on the Catalytic Activity of Cobalt-Tetrapyrrolyl Complexes

PSS-POS-40

Ryosuke Yagi (*Department of Molecular and Material Engineering, Graduate School of Science and Engineering, Kindai University, Osaka, Japan*), Atsuhiko Tanaka, Keiji Hashimoto, Hiroshi Kominami
Preparation of Au nanorod/TiO₂ composites and evaluation of their performance as plasmonic photocatalyst

Bio-POS-15

Naoya Funayama (*Graduate School of Life Sciences, Ritsumeikan University, Kusatsu, Shiga, Japan*), Hitoshi Tamiaki

Synthesis of chlorophyll derivatives directly conjugated with an aryl group at the C3 position and their photophysical properties

Bio-POS-16

Francisco Galindo (*Universitat Jaume I, Departamento de Química Inorgánica Orgánica, Castellón, Spain*), Carles Felip-León, Vanesa Pérez-Laguna, Carla Arnau del Valle, María Isabel Millán-Lou, Juan F. Miravet, Maxim Mikhailov, Maxim N. Sokolov, Antonio Rezusta-López

Synthesis of photosensitizers supported on gel-type and macroreticular polystyrene with antimicrobial photodynamic properties

Bio-POS-17

Krishna Gavvala (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Université de Strasbourg, Faculté de pharmacie, Illkirch, France*), Vasyl Kilin, Nicolas P.F. Barthes, Yitzhak Tor, Alain Burger, Yves Mély

Dynamics of Methylated Cytosine Flipping by UHRF1

Bio-POS-18

Xudong Guo (*Beijing National Laboratory for Molecular Sciences, Key Laboratory of Photochemistry, Institute of Chemistry, University of Chinese Academy of Sciences, Chinese Academy of Sciences, Beijing, China*), Hua Yuan, Guoqiang Yang

Biothiol Detection by Fluorescent Probes Incorporating Nanogels

Bio-POS-19

Rui Hu (*Key laboratory of Photochemistry, Institute of Chemistry, Chinese Academy of Sciences and University of Chinese Academy of Sciences, Beijing, China*), Shuang Li, Guoqiang Yang

Bioluminescence Imaging of γ -Glutamyltranspeptidase in Vivo

Bio-POS-20

María Consuelo Jiménez (*Departamento de Química/Instituto de Tecnología Química UPV-CSIC, Universitat Politècnica de Valencia, Camino de Vera s/n, Valencia, Spain*), Raúl Pérez-Ruiz, Daniel Limones-Herrero, Inmaculada Andreu, Emilio Lence, Concepción González-Bello, Miguel A. Miranda

Protein photoaptentation by β -Lactams. Photobinding of Ezetimibe to Human Serum Albumin

Bio-POS-21

Xiaomin Liu (*State Key Laboratory of Luminescence and Applications. Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China*), Xianggui Kong, Hong Zhang

ABT 737-loaded Upconversion Nanophotosensitizer for enhancement of photodynamic therapy efficacy through inhibition of survival pathway

Bio-POS-22

Nina Melnychuk (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Université de Strasbourg, Faculté de Pharmacie, Illkirch, France*), Ievgen Shulov, Roman V. Rodik, Pichandi Ashokkumar, Youri Arntz, Andreas Reisch, Vitaly I. Kalchenko, Andrey S. Klymchenko

Protein-Sized Fluorogenic Micelles: Design and Imaging Applications

Bio-POS-23

Jung Seung Nam (*Department of Chemistry, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea*), Myeong-Gyun Kang, Juhye Kang, Sun-Young Park, Hyun-Tak Kim, Shin Jung C. Lee, Jeong Kon Seo, Oh-Hoon Kwon, Mi Hee Lim, Hyun-Woo Rhee, and Tae-Hyuk Kwon

Endoplasmic Reticulum-Localized Iridium(III) Complexes as Efficient Photodynamic Therapy Agents via Protein Modifications

Bio-POS-24

Janice Rodrigues Perussi (*University of São Paulo, Institute of Chemistry of Sao Carlos, Av. Trabalhador Saocarlense, Sao Carlos, Brazil*), Irwin A. P. Linares, Kleber T de Oliveira

Chlorin derivatives sterically-prevented from self-aggregation with high antitumor activity for photodynamic therapy

Bio-POS-25

Pichandi Ashokkumar (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS/Université de Strasbourg, Faculté de Pharmacie, Illkirch, France*), Mayeul Collot, Andrey S. Klymchenko

Ultrabright Turn-On Fluorescent Probe based on Squaraine Dendrimer

Bio-POS-26

Anne Runser (*Laboratoire de Biophotonique et Pharmacologie, UMR 7213 CNRS, Université de Strasbourg, Faculté de Pharmacie, Illkirch, France*), Andreas Reisch, Marcelina Cardoso Dos Santos, Niko Hildebrandt, Aline Nonat, Loïc Charbonnière, and Andrey Klymchenko

Lanthanide-loaded polymer nanoparticles as bright bioprobes for time-gated imaging

Bio-POS-27

Rajhans Sharma (*Laboratoire de Biophotonique et Pharmacologie, Strasbourg, France*), Marianna Sholokh, Roberto Importa, Mattia Mori, Yitzhak Tor, Yves Mély

Photophysics of Thienoguanosine Tautomers: Application to the labeling of HIV-1 (-) Primer Binding Site sequence

Bio-POS-28

Anastasia Ioanna Skiliti (*Institut de Physique et Chimie des Matériaux de Strasbourg, & Labex NIE CNRS - Université de Strasbourg, Strasbourg, France*), Hélène Pasquier, Jérémie Léonard

Tracking fluorescence lifetime changes in pH-jump experiments with the Cyan Fluorescent Protein CFP

Bio-POS-29

Moritz Vollmer (*Department of Chemistry, Organic Chemistry, University of Cologne, Cologne, Germany*), Sebastian Hanft, Yrene Diaz-Miara, Axel G. Griesbeck

Amino acid derived sensors for fluorometric enantiodifferentiation of chiral anions

PPL-POS-01

Guy Buntinx (*Université de Lille & CNRS, France*), V. De Waele, M. Brycaert, A. Khartchenko, T. Mineva, O. I. Lebedev, B. Dong, O. Poizat, S. Mintova

Photodynamics of silver nanoparticles embedded in zeolite thin layers for plasmonic chemistry: A femtosecond transient absorption study

PPL-POS-02

Maciej Ćwierzona (*Nicolaus Copernicus University, Torun, Poland*), A. Prymaczek, A. Bednarkiewicz, S. Maćkowski, D. PiatkowskiTuning Metal-enhanced Up-conversion in Single Core-shell NaYF₄:Er³⁺/Yb³⁺ Nanocrystals Coupled to Silver Nanowires

PPL-POS-03

Mitsuhiro Deguchi (*Osaka City University, Japan*), T. Shoji, T.-A. Asoh, Y. Matsumura, Y. Wakisaka, K. Murakoshi, Y. Tsuboi

Controllable Micro-Ring Patterning of Thermoresponsive Polymer Microgels using Plasmonic Optical Tweezers

PPL-POS-04

Sarhan M. Radwan (*University of Potsdam, Germany*), Wouter Koopman, Ferenc Liebzig, Mathias Sander, Roman Schuetz, Joachim Koetz, Matias Bargheer

Heat-enhanced plasmon-driven coupling reactions

PPL-POS-05

S. Naka (*Osaka City University, Japan*), T. Shoji, Y. Wakisaka, K. Murakoshi, T. Mizoguchi, H. Tamiaki, Y. Tsuboi

Micropatterning of Living Cyanobacteria on Gold Nanostructures based on Localized Surface Plasmon Excitation

PPL-POS-06

Shunpei Oikawa (*Hokkaido University, Japan*), Hiro Minamimoto, Kei Murakoshi

Control of Plasmon Active Au Nano Structures in an Atomic Scale

PPL-POS-07

S. Parola (*ENS Lyon & CNRS, France*), D. Chateau, A. Liotta, F. Lerouge, F. Chaput, A. Désert, H. Lunden, C. Lopes, M. Lindgren

Composite sol-gel materials with plasmonic nanostructures for optical applications

PPL-POS-08

Marina Santana Vega (*Newcastle University, UK*), Fabio Cucinotta, André Guerrero Martínez

Plasmon-Resonance Energy Transfer for Lighting Materials

PPL-POS-09

Y. Tsuboi (*Osaka City University, Japan*), K. Itoh, T. Shoji, K. Murakoshi, Y. Wakisaka

Selective Trapping and Fixation of DNAs Using Plasmonic Optical Tweezers

PPL-POS-10

K. Ueno (*Hokkaido University, Japan*), J. Yang, H. Yu, Q. Sun, T. Oshikiri, A. Kubo, Y. Matsuo, Q.-H. Gong, H. Misawa

Spectral properties and dynamics of localized surface plasmon resonances in metal/insulator/metal nanostructures

PPL-POS-11

Y. Uenobo (*Osaka City University, Japan*), S. Tatsuya, T.-A. Asoh, Y. Matsumura, Y. Wakisaka, K. Murakoshi, Y. Tsuboi

Plasmonic optical trapping of thermoresponsive gel particles: Trapping behavior change below and above volume phase transition temperature

PPL-POS-12

D. Yamanishi (*Osaka City University, Japan*), S. Naka, T. Shoji, T.-A. Asoh, Y. Tsuboi

Fabrication of Au Nanoparticles Array with Nanogaps based on a Sea-island Structure of a Block Copolymer film

PPL-POS-13

E. Barrez (*ENS Paris Saclay, France*), M.-T. Do, J. Su, A. Brosseau, K. Nakatani, T. Fukaminato, G. Laurent, R. Métivier

Single particle microscopy on photochromic fluorescent dyads

SSMN-POS-02

J. P. Dela Cruz Calupitan (*Nara Institute of Science and Technology, Japan & Université de Toulouse, France*), O. Galangau, O. Guillermet, R. Coratger, T. Nakashima, G. Rapenne, T. Kawai

Highly-sensitive terarylenes and their STM studies

SSMN-POS-03

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Quantitative assessment of energy transfer in upconverting nanoparticles grafted with organic dyes

SSMN-POS-04

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Sensitised Near Infrared Luminescence from Bimetallic Lanthanide Ruthenium Terpyridine Complexes

SSMN-POS-05

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In situ one-step synthesis of graphene quantum dots-metal free and zinc phthalocyaninesconjugates: Investigation of photophysical properties

SSMN-POS-06

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Temperature-resolved study of luminescence blinking in methylammonium lead iodide

SSMN-POS-07

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Morphology Correlated Single-Particle Optical Study of Perovskite Nanocrystals

SSMN-POS-08

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Preparation and fluorescence properties of perylene diimide nanoparticles with a one-dimensional Pi-stacking structure

SSMN-POS-09

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Controlled switching of fluorescent polymer nanoparticles through energy transfer

SSMN-POS-10

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Emission Behaviors of Single Colloidal Quantum Dots: Laser Pulse-Width Dependence

SSMN-POS-11

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Fluorescent Cinchona Alkaloids for Single Molecule Studies of Organocatalysis

SSMN-POS-12

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Upconversion fluorescence Jump in PbF_2 nanocrystal doped with $\text{Er}^{3+}/\text{Yb}^{3+}$

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