

POSTERS SESSION I

- PSI -P1 **SUBPHTHALOCYANINES: VERSATILE ELECTRON ACCEPTING BUILDING BLOCKS FOR ARTIFICIAL PHOTOSYNTHESIS**
Mohamed E. El-Khouly, Shunichi Fukuzumi
- PSI – P3 **STUDIES OF TERT-BUTYL-PEROXY BY DISPERSED FS-FWM METHODS**
Thomas Gerber, Peter Radi, Andras Bodi, Melanie Jonson, Gregor Knopp
- PSI – P4 **PHOTODYNAMIC TREATMENT AGAINST LEISHMANIASIS. IN VITRO AND IN VIVO (HAMSTERS) STUDIES**
Noboru Hioka, L.S. Peloi, C.E.G. Biondo, T.G.V. Silveira, M.V.C. Lonardoní, S.M.A.A. Arraes, E. Kimura, R.C.C. Dorea
- PSI – P5 **DEVELOPMENT OF PARTIALLY OXIDIZED BLUE –EMITTING SILICON NANOPARTICLES.**
Manuel José Llansola Portolés, Felipe Rodríguez Nieto, Beatriz Soria, Daniel O. Mártire, Mónica Kotler, Mónica C. Gonzalez
- PSI – P6 **ELECTRON-EXCHANGE RESONANT ENERGY TRANSFER. IMPLICATION OF ENERGY DONOR - ACCEPTOR COORDINATION AND SOLVENT EFFECTS**
Galina V. Loukova, Vladimir P. Vasiliev, Vyatcheslav A. Smirnov
- PSI – P7 **DIPOLE MOMENTS OF d^0 COMPLEX IN S_0 AND T_1 STATES: ASSOCIATED PHOTOPHYSICAL AND DFT STUDY**
Galina V. Loukova, Vladimir P. Vasiliev, Alexey A. Milov, Vyatcheslav A. Smirnov
- PSI – P8 **AROMATIC AMINE STRUCTURE EFFECTS IN DEXTER ENERGY TRANSFER**
Galina V. Loukova, Alexander V. Lukov, Vyatcheslav A. Smirnov
- PSI – P9 **FLUORESCENCE STUDIES OF A NOVEL HIGHLY-BRANCHED POLYMER**
Kathryn Swindells, Steven Carter, Linda Swanson, Steve Rimmer, John Haycock
- PSI – P10 **LINEAR RELATION BETWEEN THE EMISSION YIELD AND EXCITED-STATE LIFETIME OBTAINED FOR A SOLUTE AT ROOM TEMPERATURE**
Galina V. Loukova, Vladimir P. Vasiliev, Vyatcheslav A. Smirnov
- PSI – P11 **TERNARY MOLECULAR LOGIC WITH A BICHROMOPHORIC DYAD**
Patricia Remón, Rita Ferreira, Uwe Pischel
- PSI – P12 **ACTIVE OXYGEN SPECIES IN PHOTOCATALYTIC REACTION DETECTED BY NEAR-FIELD HETERODYNE TRANSIENT GRATING METHOD**
Kenji Katayama, Mitsuhide Okuda, Toru Tsuruta
- PSI – P13 **STUDY OF IRREVERSIBLE PHOTOCHEMICAL TRANSFORMATIONS OF CHROMONES DESIGNED FOR PHOTOLUMINESCENT RECORDING MEDIA**
Barachevsky V., Kobeleva O., Valova T. ,Martynov I. ,Ait A., Levchenko K., Yarovenko V. Krayushkin M.

- PSI – P14 **RECENT TECHNICAL DEVELOPMENTS IN TIME-RESOLVED MICROSCOPY FOR DIFFUSION STUDIES DOWN TO THE SINGLE MOLECULE LEVEL**
P. Kapusta, U. Ortmann, S. Orthaus, B. Krämer, M. Köning, V. Buschmann, F. Koberling, A. Bülter, and R. Erdmann
- PSI – P15 **PHOTOPHYSICAL STUDIES OF THE INTERACTION BETWEEN THE MAIN COMPONENTS OF THE RUBIA TINCTORIUM L PLANT WITH WOOL FIBERS**
Mustapha Ijjaali, Malika Zaim, O. Sqalli, Cristina Martín, Boiko Cohen, Michal Gil and Abderrazzak Douhal
- PSI – P17 **SURFACE PHOTOCHEMISTRY: ALLOXAZINE WITHIN NANOCANNELS OF NA⁺ AND H⁺ ZSM-5 ZEOLITES**
L.F. Vieira Ferreira, A.I. Costa I. Ferreira Machado, A.M. Botelho do Rego, E. Sikorska, M. Sikorski
- PSI – P18 **PHOTOPHYSICS OF OCTACATIONIC OXOTITANIUM (IV) PHTHALOCYANINES IN AQUEOUS AND ALCOHOLIC MEDIA**
Nina A. Kuznetsova, Alexander A. Krasnovsky, Anton A. Strizhakov, Yana V. Roumbal, Olga A. Yuzhakova, Dmitry A. Makarov, Oleg L. Kaliya, Georgy N. Vorozhtsov.
- PSI – P19 **ENZYME REACTION AND PHOTOCROMISM OF LYSOZYME MODIFIED WITH DIARYLETHENE**
Taeko Inada, Yusuke Ebisawa, Koichi Kikuchi
- PSI –P20 **CYCLOREVERSION DYNAMICS OF ANTHRACENE-9,10-ENDOPEROXIDE**
Alexandra Lauer, Henk Fidder, Karsten Heyne, and Sergey Kovalenko
- PSI – P21 **SURFACE PHOTOCHEMISTRY: DIFFUSE REFLECTANCE STUDIES OF BIACETYL INCLUSION WITHIN CALIX[n] ARENES (n=4, 6 AND 8) AND SILICALITE**
I. Ferreira Machado, L.F. Vieira Ferreira
- PSI – P22 **REACTIVITY OF SINGLET OXYGEN WITH NEONICOTINOID INSECTICIDES: MECHANISM AND CHANGES IN TOXICITY**
María L. Dell'Arciprete, Lucas Santos-Juanes, Antonio Arques Sanz, Ana M. Amat, Daniel O. Mártire, and Mónica C. Gonzalez
- PSI – P23 **NEW Ru AND Pd/Pt DONOR-ACCEPTOR HYBRIDS LINKED BY MULTIPLE COMPLEMENTARY HYDROGEN BONDS**
M. Pilar Carranza, Blanca R. Manzano, Félix A. Jalón, Joaquín C. García, Juan Tejada, Julián Rodríguez, Ana M. Rodríguez
- PSI – P24 **ROLE OF CF₃CH₂CH₂CHO IN THE ATMOSPHERE: PHOTOCHEMISTRY AND OH-KINETICS IN THE GAS-PHASE**
María Antiñolo, Elena Jiménez, Bernabé Ballesteros, José Albaladejo

- PSI – P26 **PHOTOSENSITIZERS OF 3,7-DIAMINOSUBSTITUTED PHENOTHIAZINE SERIES**
Lubov E. Marinina, Vera I. Alekseeva, Lubov P. Savvina, Luzmila K. Slivka, Evgeny A. Lukyanets, Georgy N. Vorozhtsov
- PSI – P27 **TWO-STEP ESPT DYNAMICS IN DIHYDROQUINOLINES. EFFECT OF SOLVENT COMPOSITION**
Tatiana D. Nekipelova, Ivan Shelaev, Fedor E. Gostev, Vladimir A. Kuzmin, Oleg M. Sarkisov
- PSI – P28 **A KINETIC STUDY OF THE ATMOSPHERIC REACTION OF CHLORINE ATOMS WITH METHYL-SUBSTITUTED CYCLOHEXANES BY RELATIVE METHODS**
Antonio A. Ceacero, Bernabé Ballesteros, Elena Jiménez, José Albaladejo
- PSI – P29 **PHOTOINDUCED ELECTRON TRANSFER PROCESSES IN TRIARYLAMINE BASED DONOR-ACCEPTOR SYSTEMS**
Christoph Lambert, Barbara Geiß, Alexander Heckmann, Markus Margraf, Juliane Köhler, Ingo Fischer
- PSI – P30 **FORMATION OF FLUORESCENCE RELIEFS PHOTOCONTROLLED BY COLLECTIVE AZO MASS MIGRATION**
Eléna Ishow, Aurélie Jacquart, Arnaud Brosseau, Keitaro Nakatani
- PSI – P31 **ULTRAFast DYNAMICS OF SUDAN I IN ZEOLITES AND MESOPOROUS MATERIALS**
M. Gil, J. A. Organero, C. Martín, B. Cohen, S. Wang, A. Synak, A. Douhal
- PSI – P32 **PHOTOPHYSICS AND STRUCTURE OF SELECTED BIFUNCTIONAL AZAAROMATIC MOLECULES**
V. Vetokhina, A. Zielińska, T. Lipińska, R.P. Thummel, J. Waluk, J. Herbich
- PSI – P33 **PHOTOCHEMISTRY AND LOGIC OPERATIONS WITH STYRYLQUINOLINES**
Mikhail F. Budyka, Natalia I. Potashova, Tatiana N. Gavrishova, Vitalii M. Lee
- PSI – P34 **SINGLET OXYGEN MEDIATED DELAYED FLUORESCENCE OF TETRAPHENYLPORPHYRIN ENCAPSULATED IN POLYURETHANE NANOFABRICS**
Pavel Kubát, Jiří Mosinger, Soňa Jesenská, Kamil Lang, Zdeněk Zelinger
- PSI – P35 **8-HALOGENO-5,12- DIHYDROQUINOXALINO[2,3-B]QUINOXALINE AS NOVEL VISIBLE PHOTOSENSITIZERS IN RADICAL AND CATIONIC POLYMERIZATION**
Agnieszka Szymczak, Radoslaw Podsiadly, Jolanta Sokolowska
- PSI – P36 **NOVEL VISIBLE INITIATOR SYSTEMS OF HYBRID PHOTOPOLYMERIZATION**
Karolina Podemska, Radoslaw Podsiadly, Jolanta Sokolowska

- PSI – P37 **DIFFERENT ELECTRONIC COUPLINGS FOR ELECTRON INJECTION AND EARLY RECOMBINATION DYNAMICS IN PERYLENE/TIO₂ HYBRID SYSTEMS**
A. Neubauer, J. Szarko, A. Bartelt, R. Eichberger, O. Lettau, C. Fasting, T. Hannappel
- PSI – P38 **INTEGRATING PHTHALOCYANINES INTO NOVEL SUPRAMOLECULAR ELECTRON DONOR ACCEPTOR HYBRIDS**
Wolfgang Seitz, Yannick Rio, Giorgio A. Pagani, Thomás Torres, Dirk M. Guldi
- PSI – P39 **RATIOMETRIC FLUORESCENCE DETECTION OF MERCURY(II) IONS IN WATER WITH AN ACRIDIZINIUM DERIVATIVE**
Maoqun Tian, Heiko Ihmels
- PSI – P40 **HIGH DENSITY ADSORPTION STRUCTURE OF PORPHYRIN DERIVATIVES ON THE CLAY SURFACE WITHOUT SELF-QUENCHING**
Shinsuke Takagi, Dai Masui, Tetsuya Shimada, Hiroshi Tachibana, and Haruo Inoue
- PSI – P41 **FABRICATION AND CHARACTERIZATION OF METAL (CORE) - π -CONJUGATED POLYMER (SHELL) HYBRIDIZED NANOSTRUCTURE FOR NONLINEAR OPTICAL PROPERTIES**
Akito Masuhara, Takahiro Yokoyama, Yoshihisa Matsuda, Hitoshi Kasai, Hachiro Nakanishi and Hidetoshi Oikawa
- PSI – P42 **PHOTOPHYSICAL PROPERTIES OF [CR(PHEN)₂(DPPZ)]³⁺ AND ITS DERIVATIVES**
Michal Wojdyła, Suni Vasudevan, Jayden A. Smith, Susan J. Quinn and John M. Kelly
- PSI – P43 **SUB-NANOSECOND REAL-TIME TRANSIENT ABSORPTION SPECTROSCOPY: NOVEL METHOD FOR DETECTOR FIDELITY TESTING USING Ru DYES**
Viruthachalam Thiagarajan, Martin Byrdin, Sandrine Villette, Agathe Espagne, and Klaus Brettel
- PSI – P44 **MONITORING BACTERIAL PHAGOCYTOSIS BY FLOW CYTOMETRY USING NOVEL FLUORESCENT pH PROBES**
Francisco Galindo, M. Isabel Burguete, M. Angeles Izquierdo, Santiago V. Luis, Laura Vigara, Guadalupe Herrera, José-Enrique O'Connor
- PSI – P45 **SYNTHESIS AND PHOTOCHEMICAL STUDIES OF Ni, Cu AND Zn MESOTETRAKIS (1-PYRENYL) PORPHYRIN. PHOTOINDUCED OXIDATION OF AROMATIC ALCOHOLS.**
Tamara Zoltan, Franklin Vargas, Carlos Rivas, Antonio Biasutto
- PSI – P46 **INACTIVATION OF VIRUSES BY VANADIUM CHLOROPEROXIDASE: SINGLET OXYGEN VERSUS HYPOBROMIDE MECHANISM**
Jean-Marie Aubry, Christel Pierlot, Rokus Renirie, Ron Wever, Anny Dewilde
- PSI – P47 **A PHOTO-INDUCED CROSS-DEHYDROGENATIVE COUPLING REACTION**
Chenyi Yi, Shi-Xia Liu, Antonia Neels, Philippe Renaud, Silvio Decurtins

- PSI – P48 **SYNTHESIS AND PHOTOCHEMICAL STUDIES OF QUANTUM DOTS-ORGANIC CHROMOPHORE HYBRID NANOMATERIALS**
Jordi Aguilera-Sigalat, Raquel E. Galian, M. C. Cuquerella and Julia Pérez-Prieto
- PSI – P49 **TOWARDS NEW PHOTOVOLTAIC MATERIALS: THE ULTRAFAST LIGHT INDUCED PROCESSES IN RIGID π -CONJUGATED TERPYRIDINES AND THEIR METAL KOMPLEXES**
Ronald Siebert, Michael Schnitt, Andreas Winter, Ulrich S. Schubert, Benjamin Dietzek, Jürgen Popp
- PSI – P50 **REACTING WHILE COOLING: BIPHASIC DECAY OF NASCENT KETENE INTERMEDIATE**
T. Schmierer, W. J. Schreier¹, P. Gilch
- PSI – P51 **SPECTROSCOPIC STUDIES OF TEMPERATURE INFLUENCE ON TAUTOMERIC EQUILIBRIUM AND DEACTIVATION PATHS OF SOME PHOTOCROMIC SCHIFF BASES**
Katarzyna Filipczak, Jerzy Karolczak, Marcin Ziolk
- PSI – P52 **FLUORESCENCE OF QUANTUM DOTS IN ORGANOGEL MEDIUM**
M. Ángeles Izquierdo, Francisco Galindo, M. Isabel Burguete, Santiago V. Luis
- PSI – P53 **HYPERBRANCHED POLYETHER POLYOLS WITH AN INHERENTLY CHIRAL PHOTOACTIVE CORE AS CHIRAL SENSORS**
Salvador Pocoví-Martínez, Lourdes Pastor-Pérez, María C. Cuquerella, Salah-Eddine Stiriba and Julia Pérez-Prieto
- PSI- P54 **DEGRADATION OF BOLDENONE AND TRENBOLONE IN AQUEOUS SOLUTIONS BY PHOTOLYSIS AND H₂O₂/UV OXIDATION PROCESS**
Dorota Gryglik, Magdalena Olak, Jacek S. Miller
- PSI – P55 **PHOTOSYNTHETIC PERFORMANCE OF MARINE MACROALGAE IRRADIATED UNDER THE SUN SIMULATOR**
Hazlina Ahamad Zakeri, Dieter Hanelt
- PSI – P56 **POLYMERIC PHOTSENSITIZERS BASED ON THIOXANTHONE: PHOTODEGRADATION STUDY OF POLY(ALKYLMETHACRYLATES)**
Miguel G. Neumann, Carla C. S. Cavalheiro, Ricardo Escripório, Letícia F. A. Pinto, Beatriz E. Goi
- PSI – P57 **LUMINESCENT COMPLEXES CONTAINING LANTHANIDE IONS, NEW CHROMOPHORES AND MACROCYCLIC BINDING SITES**
Michael Andrews and Simon Pope
- PSI – P58 **ORTHOGONAL PHOTOCLEAVAGE OF MONOCHROMOPHORIC DUAL PROTECTING GROUP**
Petr Klán, Laxminarayana Kamari, Ngoy Bokolombe Pitchou, Dominik Heder

- PSI – P59 **NANOCRYSTALLIZATION MECHANISM OF ORGANIC COMPOUNDS IN THE REPRECIPITATION METHOD BY STOPPED-FLOW ANALYSIS**
Daniel Oliveira, Koichi Baba, Junichi Mori, Yousuke Miyashita, Hitoshi Kasai, Hidetoshi Oikawa, Hachiro Nakanishi
- PSI – P60 **SOLVENT EFFECTS ON LUMINESCENT PROPERTIES OF A TRIPLE FLUORESCENT COMPOUND AND APPLICATION FOR WHITE LIGHT EMISSION**
Guoqiang Yang, Shayu Li, Wenhao Sun
- PSI – P61 **PROTON-COUPLED ELECTRON TRANSFER ACROSS A SALT-BRIDGE**
Jonathan C. Freys, Gérald Bernardinelli, Oliver S. Wenger
- PSI – P62 **STRUCTURE AND REACTIVITY OF PHENYLAZONAPHTHALENE DYES**
Chad Q. Bullivant, Thomas Paul, John R. Lindsay Smith, John N. Moore
- PSI – P63 **THEORETICAL STUDIES ON THE ABSORPTION SPECTRUM OF DIAZOQUINONES**
Quansong Li, Annapaola Migani, and Lluís Blancafort
- PSI – P64 **FUNCTIONALISED METAL-BASED ARRAYS: SYNTHESSES AND PHOTOPHYSICAL PROPERTIES**
Andrew J. Hallett, Simon J. Pope, Jennifer E. Jones, Paul Christian
- PSI – P65 **OPTICAL PROPERTIES OF DONOR- AND ACCEPTOR SUBSTITUTED HEXAARYLBENZENES**
Markus Steeger, Christoph Lambert
- PSI – P66 **CORE-LINKED NAPHTHALENE BISIMIDE DYADS: PARADIGMS FOR ULTRAFAST FLUORESCENCE SWITCHES**
Igor Pugliesi, Uwe Megerle, Eberhard Riedle
- PSI – P67 **EMISSION IN HYPOXIA: FLUORESCENCE CHARACTERISTICS OF INDOLEQUINONE-COUMARIN CONJUGATE**
Kazuhito Tanabe, Nao Hirata, Hisatsugu Yamada, Hiroshi Harada, Masahiro Hiraoka, Sei-ichi Nishimoto
- PSI – P68 **ANALYSIS OF PHOTOCATALYTIC REACTIONS UTILIZING A TiO₂ IMMOBILIZED MICROREACTOR**
Kazuyo Oda, Yuri Ishizaka, Toshimitsu Sato, Kenji Katayama
- PSI – P69 **PHOTOCHROMIC DIARYLETHENES HAVING BULKY SUBSTITUENTS AT THE REACTIVE POSITIONS**
Seiya Kobatake, Hiroyuki Imagawa, Hidenori Nakatani, Seiichiro Nakashima, Kyohei Sasaki
- PSI – P70 **CONTROL OF LOCAL SURFACE PLASMON RESONANCE OF GOLD NANOPARTICLE BY PHOTOCROMIC REACTION OF DIARYLETHENES**
Hiroyasu Nishi, Tsuyoshi Asahi, Seiya Kobatake

- PSI – P71 **A PURPLE PERYLENE SENSITIZER FOR SOLID STATE DYE-SENSITIZED SOLAR CELLS**
Ute B. Cappel, Martin H. Karlsson, Neil Pschirer, Felix Eickemeyer, Jan Schöneboom, Peter Erk, Gerrit Boschloo, Anders Hagfeldt
- PSI – P73 **PROBING FLUORESCENCE PROPERTIES OF SOME TRIAZENE ACRYLIC COPOLYMERS**
Tinca Buruiana, Lenuta Stroea, Emil C. Buruiana
- PSI –P74 **PHOTOCHEMICAL(PHYSICAL) ASPECTS IN IONIC/NONIONIC POLYACRYLATES WITH (S)-PHENYLALANINE AND STILBENE UNITS USED TO DETECT AMINES**
Emil C. Buruiana, Mirela Zamfir, Violeta Melinte, Tinca Buruiana
- PSI – P75 **A PHOTOPHYSICAL STUDY ON SOME IMINE AND ARYLENEVINYLENE DERIVATIVES CONTAINING CARBAZOLE GROUPS**
Anton Airinei, Radu I. Tigoianu, Mihaela Lupu, Mircea Grigoras, Loredana Vacareanu
- PSI – P76 **LIGAND SELECTION IN RU(II) COMPLEXES FOR DIRECT ONE-ELECTRON PHOTOOXIDATION OF GUANINE**
Martial Boggio-Pasqua, Fabienne Alary, Jean-Louis Heully, Mohamed Oubal, Patricia Vicendo
- PSI – P77 **USE OF ACYCLIC ALPHA-DIIMINE LIGANDS TO TUNE THE PHOTOPHYSICAL PROPERTIES OF RU(II) POLYPYRIDYL COMPLEXES**
Thomas Guillon, Martial Boggio-Pasqua, Fabienne Alary, Jean-Louis Heully, Pierre Sutra, Alain Igau
- PSI – P78 **PRIMARY PHOTODYNAMICS OF A BIOMIMETIC CYCLODEXTRIN MODEL F PHOTOACTIVE YELLOW PROTEIN**
Pascale Changenet-Barret, Christina Loukou, Marie-Noëlle Rager, Christian Ley, Fabien Lacomat, Pascal Plaza, Jean-Maurice Mallet, Monique M. Martin
- PSI – P79 **PHOTOISOMERIZABLE DENDRIMERS BASED ON A 4,4'-DIMETHYLAZOBENZENE BIS-CYCLAM CORE**
Enrico Marchi, Giacomo Bergamini, Paola Ceroni, Fritz Vögtle
- PSI – P81 **COUPLED PROTON AND INTRAMOLECULAR CHARGE TRANSFER IN PARA-, N-DIMETHYLAMINO ORTHOHYDROXY BENZALDEHYDE**
Subrata Mahanta, Rupashree Balia Singh, Samiran Kar, Nikhil Guchhait
- PSI – P82 **NOVEL GOLD NANOPARTICLE-FULLEREN ASSEMBLIES: PREPARATION AND PHOTOCONDUCTIVE PROPERTIES**
Ken-ichi Matsuoka, Tsuyoshi Akiyama, Sunao Yamada
- PSI – P83 **FLUORESCENCE QUANTUM YIELD OF AROMATIC HYDROCARBON CRYSTALS**
Ryuzi Katoh, Kengo Suzuki, Akihiro Furube, Masahiro Kotani, Katsumi Tokumaru

- PSI – P84 **PHOTOINDUCED MANIPULATION OF NANOPHASE-SEPARATED STRUCTURES OF AZOBENZENE LIQUID-CRYSTALLINE POLYMER**
Kunihiko Okano, Yasuyuki Mikami, Takashi Yamashita
- PSI – P85 **TEMPERATURE DEPENDENT CONFORMATIONAL CHANGE OF MESO-HEXAKIS (PENTAFLUOROPHENYL) [28]HEXAPHYRINS(1.1.1.1.1.1) INTO MÖBIUS STRUCTURES**
Kil Suk Kim, Jong Min Lim, Jae-Yoon Shin and Dongho Kim
- PSI – P86 **THE DISTORTION CONTROL OF EXPANDED PORPHYRIN BY PROTONATION – THE MÖBIUS AROMATICITY OF PROTONATED [36]OCTAPHYRIN AND [32]HEPTAPHYRIN**
Jong Min Lim, Dongho Kim
- PSI – P87 **ULTRAFAST ELECTRON TRANSFER PROCESSES FOLLOWING PHOTOEXCITATION OF C-204 ORGANIC REDOX DYE-SENSITIZER**
Joël Teuscher, Robin Humphry-Baker, Shaik M. Zakeeruddin, Michael Grätzel, and Jacques-E. Moser
- PSI – P88 **NEW FLUORESCENT SENSORS FOR HYDROGEN PEROXIDE BASED ON ANALOGUES OF 2,6-DISTYRYL[B,E]DIHYDROPYRIDINE**
Oleksiy V. Grygorovych, Sofia M. Moskalenko, Andrey O. Doroshenko
- PSI – P89 **PHOTODYNAMICS OF COUMARIN 30 INTERACTING WITH CYCLODEXTRIN**
J. Gaamoussi, C. Martín, J. A. Organero, B. Koen, and A. Douhal
- PSI – P90 **PHOTOCHEMICAL AND CATALYTIC PROPERTIES OF ORGANO-RU COMPLEXES WITHIN VARIOUS MESOPOROUS MATERIALS**
Kazuhiro Uchihara, Tetsuji Watanabe, Kim Tae Ho, Takashi Kamegawa, Masaya Matsuoka, Masakazu Anpo
- PSI – P91 **PREPARATION OF MACROPOROUS TiO₂ THIN FILMS AND THEIR PHOTOFUNCTIONAL PROPERTIES**
Takashi Kamegawa, Norihiko Suzuki, Hiromi Yamashita
- PSI – P92 **PHOTOPHYSICS AND PHOTOCHEMISTRY OF z-CHLORPROTHIXENE IN ACETONITRILE**
Luis E. Piñero, Carmelo García, Virginie Lhiaubet-Vallet, Rolando Oyola, Miguel, A. Miranda
- PSI – P93 **MYCOSPORINE-LIKE AMINO ACIDS AS NATURAL SUNSCREENS**
Diego Sampedro
- PSI – P94 **PHOTOISOMERIZATION OF BIOMIMETIC MOLECULAR SWITCHES**
Marina Blanco-Lomas, Diego Sampedro, Pedro J. Campos
- PSI – P95 **FEMTOSECOND DYNAMICS IN IR VIBRATIONALLY EXCITED FREE (CF₃)₂CCO AND METAL CARBONYL MOLECULES**
S.V. Chekalin, V.O. Kompanets, V.B. Laptev, A.A. Makarov, S.V. Pigulsky, E.A. Ryabov

- PSI – P96 **HONEYCOMB SHEET STRUCTURES IN [NI(III)DMIT₂] COMPLEX SALTS WITH ALKYL SUBSTITUTED THIAZOLIUM CATIONS**
Etsuko Tomiyama, Kazuaki Tomono, Daisuke Hashizume, Tatsuo Wada, Takashi Yamashita, Kazuo Miyamura
- PSI – P97 **PHOTOPHYSICAL PROPERTIES OF LADDER-TYPE STAR-SHAPED OLIGOPHENYLENES CONTAINING AN ISOTRUXENE CORE**
Hsin-Hau Huang and Jye-Shane Yang
- PSI – P98 **PHOTOCHEMICAL APPROACH TO DISCRIMINATION OF METHYLATED CYTOSINE IN DNA: PH EFFECT ON THE NAPHTHOQUINONE-SENSITIZED ONE-ELECTRON PHOTOOXIDATION OF 5-METHYLCYTOSINE**
Hisatsugu Yamada, Yuya Kitauchi, Kazuhito Tanabe, Takeo Ito, Sei-ichi Nishimoto
- PSI – P99 **SINGLE PARTICLE SPECTROSCOPY OF MODIFIED FLUORESCENCE FROM DYE THIN FILM BY GOLD NANOPARTICLE**
Guillaume Laurent, Ryohei Yasukuni, Tsuyoshi Asahi
- PSI – P100 **CONSTRUCTION OF LARIAT TYPE AZACROWN ETHERS UTILIZING SET-PROMOTED PHOTOCYCLIZATION REACTIONS OF BIS-TETHERED PHTHALIMIDES**
Hea Jung Park, Nam Kyung Sung, Shu Rhan Kim, Suk Hwa Ryu, Ung Chan Yoon
- PSI – P101 **EFFICIENCIES AND REGIOSELECTIVITIES OF SET-PROMOTED PHOTOCYCLIZATION REACTIONS OF POLYDONOR- AND BISPOLYDONOR-PHTHALIMIDE SYSTEMS**
Ung Chan Yoon
- PSI – P102 **PHOTOMECHANICAL PROPERTIES OF MOLECULAR CRYSTALS**
Hideko Koshima, Naoko Ojima, Kyoko Takechi, Hidetaka Uchimoto
- PSI – P103 **PH- AND LIGHT-CONTROLLED DNA-BINDING OF PHOTOCHROMIC SPIROPYRANS**
Martin Hammarson, Johanna Andersson, Shiming Li, Pe Lincoln and Joakim Andréasson
- PSI – P104 **A TRIPLE REASSURANCE RATIO-METRIC LUMINESCENCE PROBE FOR METAL IONS AND PROTONS**
Alejandra de los Rios González, Michael Schmittel
- PSI – P105 **EXCITED-STATE PROPERTIES OF HYDROPHILIC CAROTENOIDS**
Marcel Fuciman, Pavel Chábera, K. Razi Naqvi, Thor Bernt Melø, Hans-Richard Sliwka, Vassilia Partali, Sam Lockwood, H.L. Jackson, Tomáš Polívka
- PSI – P106 **BIS(TRIARYLAMINE)[3.3]PARACYCLOPHANE AS A MODEL COMPOUND FOR THE INTERCHAIN CHARGE TRANSFER IN CONJUGATED POLYMERS**
Conrad Kaiser, Daniel R. Kattinig, Günter Grampp, Christoph Lambert

- PSI – P107 **BIENZYMATIC OPTICAL SENSOR FOR MALTOSE DETERMINATION IN AQUEOUS SOLUTIONS**
Ewa Miller, Dorota Sencerek, Stanislaw Wysocki
- PSI – P108 **CHARACTERIZATION OF PHOTODEGRADATION PROCESS OF SQUARYLIUM DYE IN ALCOHOL SOLUTION USING NEAR-FIELD HETERODYNE TRANSIENT GRATING METHOD**
Takafumi Shoji, Yusuke Moriyama, Kenji Katayama
- PSI - P109 **SYNTHESIS AND PROPERTIES OF AZAPHTHALOCYANINE-MESTRANOL CONJUGATES FOR PHOTODYNAMIC THERAPY**
Petr Zimcik, Veronika Novakova, Jana Ivincova, Miroslav Miletin
- PSI – P110 **INITIAL PHOTOEXCITATION IN PRIMARY DOPED POLYANILINE IS NEUTRAL - RESULTS OF FEMTOSECOND PUMP-BROADBANG PROBE STUDY**
A. A. Mel'nikov, V. F. Ivanov and S.V. Chekalin
- PSI – P111 **MULTICHROMOPHORIC SYSTEMS BASED ON POLYPHENYLENE-BODIPIY DYADS: DEVELOPING PROTON SENSOR SWITCHES**
Fernando López Arbeloa, Jorge Bañuelos, Teresa Arbeloa, Iñigo López Arbeloa
- PSI – P112 **CHARACTERIZATION OF ORDERED DYE/CLAY SYSTEMS BY LINEAR POLARIZED LIGHT SPECTROSCOPIES AND FLUORESCENCE MICROSCOPY**
Virginia Martínez, Sandra Salleres, Iñigo López Arbeloa, Fernando López Arbeloa
- PSI – P113 **A PROTON-TRANSFER DYE INTERACTING WITH MCM-41 MESOPOROUS MATERIAL**
C. Martín, A. Roshal, J. A. Organero, B. Cohen, and A. Douhal

POSTERS SESSION II

- PSII – P1 **EUV-MEDIATED FRAGMENTATION OF THIOFUROXAN DERIVATIVES FOR NANOPATTERNED ALKYNE FORMATION ON THE GOLD**
Hyun Seo Koo, Young Bae Lee, Hanna Hwang, Chan-Cuk Hwang and Kwang-Jin Hwang
- PSII – P2 **APPLICATION OF REDFIELD THEORY TO TRANSIENT ABSORPTION OF CAROTENOIDS: ELECTRONIC COHERENCE AND ENERGY RELAXATION**
Evgeny E. Ostroumov, Marc G. Müller, Christel Marian, Alfred R. Holzwarth
- PSII – P3 **ORGANIC SOLAR CELLS WITH SQUARAIN POLYMERS**
Sebastian Völker, Christoph Lambert, Moritz Limpinsel, Carsten Deibel
- PSII – P4 **CHARGE TRANSFER MECHANISM IN DYE-MODIFIED KTAO₃ PHOTOCATALYST FOR WATER SPLITTING INTO H₂ AND O₂**
Hidehisa Hagiwara, Takanori Inoue and Tatsumi Ishihara
- PSII – P5 **DIETHYNYLMETALLACYCLOPENTADIENES – A NEW CLASS OF LUMINESCENT ORGANOMETALLICS**
Andreas Steffen, Richard M. Ward, Meng Guan Tay, Andrew Beeby, Andrei S. Batsanov, Todd B. Marder
- PSII – P6 **GENERATION OF TiO₂ NANOSTRUCTURES BY PULSED LASER DEPOSITION**
M. Sanz, M. Walczak, M. Oujja, R. de Nalda, J. G. Izquierdo, L. Bañares and M. Castillejo
- PSII – P7 **OPTICAL AND ELECTROCHEMICAL PROPERTIES OF MIXED-VALENCE TRIARYLAMINE-GOLD-NANOPARTICLE CONJUGATES**
Christian I. Müller, Christoph Lambert
- PSII – P8 **PORPHYRIN PHOTOSENSITIZERS ENCAPSULATED IN POLYMER NANOFABRICS AND ALGINATE GELS**
Jiří Mosinger, Pavel Kubát, Jacek S. Miller, Soňa Jesenská, Kamil Lang
- PSII – P9 **GROUND AND EXCITED STATE CONFORMATIONAL CHANGES OF POLY(9,9-DIOCTYLFLUORENE-CO-BITHIOPHENE) (F8T2) IN SOLUTION**
Rita França Rodrigues, Ana Charas, Jorge Morgado, António Maçanita
- PSII – P10 **INVESTIGATION ON THE ELECTRONIC STATE OF PHOTO DEGRADATION PROCESSES IN OPTICAL SENSOR COMPOUNDS**
Barbara Enko, Sergey Borisov, Ingo Klimant
- PSII – P11 **LASER INDUCED FORMATION OF GIANT TWO DIMENSIONAL MOLECULAR ASSEMBLY OF SUPRAMOLECULAR PROTEIN AT THE INTREFACE**
Atsushi Miura, Takayuki Uwada, Teruki Sugiyama, Ken-Ichi Sano, Ichiro Yamashita, Hiroshi Masuhara

- PSII – P12 **FLUORESCENCE LIFETIME BASED HYBRIDIZATION ASSAY USING THE NEW LONG-WAVELENGTH FLUORESCENT LABEL SETA-670**
Leonid D. Patsenker, Yevgen A. Povrozin, Vadim I. Sidorov, Anatoliy L. Tatarets, Ewald A. Terpetschnig
- PSII – P13 **SPECTRAL PROPERTIES AND APPLICATION OF SQUARAINES WITH SUBSTITUTED CYCLOBUTENONE OXYGEN ATOM**
Anatoliy L. Tatarets, Iryna A. Fedyunyayeva, Olena M. Obukhova, Saniya U. Khabuseva, Ewald A. Terpetschnig, Leonid D. Patsenker
- PSII – P14 **PHOTO-INDUCED HYDROLYSIS OF THIOSQUARAINES AND THEIR BIOLOGICAL IMAGING APPLICATIONS**
Olena M. Obukhova, Anatoliy L. Tatarets, Olga S. Kolosova, Yevgen A. Povrozin, Iryna A. Fedyunyayeva, Ewald A. Terpetschnig, Leonid D. Patsenker
- PSII – P15 **INTERMEDIACY OF EIGEN PAIRS IN EXCITED STATE PROTON TRANSFER**
Adilson A. Freitas, Frank H. Quina, and António A. L. Maçanita
- PSII – P16 **MECHANISTIC INVESTIGATION OF NEW VISIBLE LIGHT PHOTOINITIATING SYSTEMS FOR FREE RADICAL PHOTOPOLYMERIZATION**
Xavier Allonas, Olga Tarzi, Jean-Pierre Fouassier, Christian Ley, Ahmad Ibrahim
- PSII – P17 **PHOTOPHYSICAL STUDIES ON HUMAN SERUM ALBUMIN-BILE ACID DERIVATIVES INTERACTIONS**
Jana Rohacova, M. Luisa Marin, Miguel Angel Miranda
- PSII – P18 **FÖRSTER RESONANCE ENERGY TRANSFER REVEALS DIFFERENT INTERCALATION MODES OF BOBO3 IN DNA**
Maria J. Ruedas-Rama, Angel Orte, José M. Paredes, Luis Crovetto, Eva M. Talavera and José M. Álvarez-Pez
- PSII – P19 **PHOTOGENERATION OF CHEMILUMINOPHORES IN THE AMBIENT LIGHT: NOVEL CONCEPT DERIVED FROM UNEXPECTED OBSERVATIONS**
Alexey V. Trofimov, Yury B. Tsaplev, Rostislav F. Vasil'ev
- PSII – P20 **CHARACTERIZATION OF THE CONICAL INTERSECTION SEAM FOR TRIFLUOROMETHYL-PYRROLYLFULGID, A HIGHLY SUBSTITUTED CYCLOHEXADIENE DERIVATIVE**
Artur Nenov, P. Kölle, Mike Robb, Regina de Vivie-Riedle
- PSII – P22 **PHOTOCHEMISTRY OF ANTHRACENEACETIC ACIDS IN SOLUTION AND IN PROTEIN MATRIX**
Rafael Alonso, M. Consuelo Jiménez, Minoru Yamaji, Miguel A. Miranda
- PSII – P23 **NEW NEAR-IR AZA-BODIPY DERIVATIVES GRAFTED TO POLYMERIC BEADS: APPLICATION TO GAS SENSING.**
R. Méallet-Renault, T.-T. Vu, G. Clavier, R. B. Pansu, D.F. O'Shea

- PSII – P24 **DISSOCIATION AND BOND FORMATION DYNAMICS IN THE LASER INDUCED S_N1 REACTION OF DIARYLMETHANE DERIVATES**
Benjamín P. Fingerhut, Regina de Vivie-Riedle
- PSII – P25 **INTRAMOLECULAR PHOTO-INDUCED ELECTRON TRANSFER: THE ROLE OF PERIPHERAL ALKYLAMINO SUBSTITUENTS IN QUENCHING OF EXCITED STATES OF TETRAPYRAZINOPORPHYRAZINES**
Veronika Novakova, Petr Zimcik
- PSII –P26 **PHOTOCATALYTIC REDUCTION OF CO₂ BY MEANS OF TITANIUM OXIDE SYNTHESIZED WITH SUPERCRITICAL CO₂**
Rafael Camarillo, Isaac Asencio, Fabiola Martínez, Jesusa Rincón
- PSII – P27 **TUNING ENERGY TRANSFER BETWEEN CHROMOPHORES**
M. T. W. Milder, J. Areephong, J. H. Hurenkamp, B. L. Feringa, W. R. Browne, J. L. Herek
- PSII – P28 **TERAHERTZ TIME-DOMAIN SPECTROSCOPY STUDY OF THE CONDUCTIVITY OF HOLE-TRANSPORTING MATERIALS**
Jan C. Brauer, Verner K. Thorsmølle, Guido Rothenberger, Daibin Kuang, Shaik M. Zakeeruddin, Michael Grätzel, and Jacques-E. Moser
- PSII – P29 **ORGANIZATION OF SELF-ASSEMBLED GLYCILGLYCINE PORPHYRIN DERIVATIVE NANOAGGREGATES IN WATER-ETHANOL MIXTURES AND SURFACTANTS**
Raquel Teixeira, S. M. Andrade, V. V. Serra, M. A. F. Faustino, M. G. P. M. S. Neves, J. A. S. Cavaleiro, S. M. B. Costa.
- PSII – P30 **PHOTOPHYSICAL AND PHOTOCHEMICAL CONSEQUENCES OF THE OUT-OF-PLANE COORDINATION IN WATER-SOLUBLE METALLOPORPHYRINS**
O. Horváth, Z. Valicsek, G. Lendvay, G. Harrach
- PSII – P31 **BENZOPHENONE-DIENE SYSTEMS AS MODELS FOR THE PHOTOGENERATION OF CAGED RADICAL PAIRS**
Inmaculada Andreu, Enrique Rico, Abdelouahid Samadi, Isabel M. Morera, Miguel A. Miranda, Dmytro Neshchadin, Markus Griesser, and Georg Gescheidt
- PSII – P32 **INTRAMOLECULAR CHARGE TRANSFER OF PYRIDINIUM BETAINES DERIVATIVES BASED ON STATIONARY AND ULTRAFAST ABSORPTION SPECTROSCOPES.**
S. Aloïse, Z. Pawlowska, O. Poizat, M. Sliwa, G. Buntinx, J. Abe
- PSII – P33 **IR ABSORPTION SPECTROSCOPY OF THE HYDRATED PROTON IN SOLUTION**
Noa Kalish, Ehud Pines
- PSII – P34 **THERMAL AND PHOTOCHEMICAL PROPERTIES OF A FLUORESCENT NAPHTHOFILAVIUM COMPOUND**
Raquel Gavara, A. Jorge Parola, Vesselin Petrov, Fernando Pina

- PSII – P35 **PHOTO-INDUCED CONTRACTION OF PETROLEUM FILMS ON WATER**
Vinicius C. C. Vieira, Divinomar Severino, Mauricio S. Baptista, Marcos Gugliotti
- PSII – P36 **SOLUBILIZATION AND STABILITY OF A CONJUGATED POLYFLUORENE (PFP) IN AQUEOUS MEDIUM: PHOTOPHYSICAL CHARACTERIZATION**
M^a José Martínez-Tomé, Alfonso Salinas-Castillo, Rocío Esquembre, C. Reyes Mateo and Ricardo Mallavia
- PSII – P37 **SYNTHESIS AND FLUORESCENCE IMAGING OF SOLID-STATE AMORPHOUS FILMS FROM NEW BODIPIY DERIVATIVES.**
Thanh Truc Vu, Elena Senotrusova, Cécile Dumas-Verdes, Robert B. Pansu, Pierre Audebert, Boris A. Trofimov, Gilles Clavier, and Rachel Méallet-Renault
- PSII – P38 **EXTRAORDINARY LARGE REFRACTIVE INDEX INDUCTION BY PHOTO-OPTICAL EFFECT OF POLY(PHENYLENE VINYLENE) DERIVATIVES**
Takashi Yamashita, Yosuke Nakatoh, Kunihiro Okano
- PSII – P39 **COMPUTATIONAL AND ULTRA-FAST EXPERIMENTAL STUDIES ON THE ROLE OF UPPER TRIPLET STATES IN THE EXCITED-STATE DEPLETION MECHANISM OF NITROAROMATIC COMPOUNDS**
Jimena S. Zugazagoitia, Elisa Collado-Fregoso, Eddy F. Plaza-Medina, Jorge Peón
- PSII – P40 **REACTIONS OF DEUTERATED CH₃O RADICALS WITH O₂: A KEY STEP FOR PROPAGATION OF DEUTERIUM IN THE ATMOSPHERIC OXIDATION OF CH₄**
Tasuku Isozaki, Takashi Imamura
- PSII – P41 **PHOTOINDUCED ENERGY TRANSFER PROCESS BASED ON THE 2-UREIDO-4[1H]-PYRIMIDINONE SELF-COMPLEMENTARY QUADRUPLE HYDROGENBONDED SYSTEM**
Bin Chen, Su-Min Wang, Li-Ping Zhang, Li-Zhu Wu, and Chen-Ho Tung
- PSII – P42 **CORRELATING ULTRAFast FUNCTION WITH STRUCTURE IN SINGLE CRYSTALS OF THE PHOTOSYNTHETIC REACTION CENTER**
Libai Huang, Nina Ponomarenko, Lisa Utschig, Gary P. Wiederrecht, and David M. Tiede
- PSII –P43 **STAKED-STRUCTURE-DEPENDENT PHOTOCURRENT GENERATION IN LDH/CdS MULTILAYER THIN FILMS**
Tatsuya Kameyama, Ken-ichi Okazaki, Katsuhiko Takagi, Tsukasa Torimoto
- PSII – P44 **SPECTROSCOPIC FEATURES AND TRANS/CIS ISOMERIZATION BEHAVIORS OF ORTHO-ALKYLATED AZOBENZENES**
Mina Han, Takumu Honda, and Masahiko Hara
- PSII – P45 **ENERGY TRANSFER PROCESS IN A REGIOREGULAR SILYLENE-SPACED COPOLYMER [(DIVINYLBIPHENYL-SIME₂)₃-(DIVINYLSTILBENE-SIME₂)]_M**
Kuang Ling Liu, Cheng-Jui Lee, I-Chia Chen, Chao-Ping Hsu, Mei-Yu Yeh, Tien-Yau Luh

- PSII – P46 **MORPHOLOGY DYNAMICS OF NANO-LAYERED HYBRID MATERIALS**
Yu Nabetani, Hazuki Takamura, Yuka Nakamura, Tetsuya Shimada,
Shinsuke Takagi, Hiroshi Tachibana, Zhiwei Tong, Haruo Inoue
- PSII – P47 **SPECTRAL STUDIES OF CARBOXYL GROUP CONTAINING PERYLENE
MONOANHYDRIDE MONOIMIDE AND DIIMIDES IN DIFFERENT pH MEDIA**
Hurmus Refiker, Huriye Icil
- PSII – P48 **THE PHOTO-FRIES REACTION WITHIN SERUM ALBUMIN**
Mireia Marín, Virginie Lhiaubet-Vallet, Miguel Ángel Miranda
- PSII – P49 **THREE-DIMENSIONAL VISUALIZATION AND SPECTROSCOPIC ANALYSIS OF
PHOTON FORCE-INDUCED ASSEMBLING DYNAMICS OF NANOPARTICLES
IN SOLUTION**
Takayuki Uwada, Atsushi Miura, Teruki Sugiyama, Hiroshi Masuhara
- PSII – P50 **MECHANISTIC PROBES FOR PHOTOPHYSICAL INVESTIGATION OF DRUG-
PROTEIN BINDING**
Raúl Pérez-Ruiz, Ignacio Vaya, Virginie Lhiaubet-Vallet, M. Consuelo Jiménez, and
Miguel A. Miranda
- PSII – P51 **SELF-ASSOCIATION OF CYCLODEXTRINS BY FLUORESCENCE AND
MOLECULAR MODELLING**
María José González-Álvarez and Francisco Mendicuti
- PSII – P52 **PHOTOPHYSICAL AND ELECTRON PARAMAGNETIC RESONANCE
INVESTIGATIONS ON ORGANIC ACCEPTORS AND THEIR PRECURSORS**
Christine Onitsch, Arnulf Rosspointner, Milan Kivala, Günter Grampp,
François Diederich, Georg Gescheidt
- PSII – P53 **PHOTOINDUCED BOND DISSOCIATION OF 4-METHYLCOUMARIN
DERIVATIVES IN SOLUTION STUDIED BY LASER FLASH PHOTOLYSIS AND
DFT CALCULATIONS**
Minoru Yamaji, Koichi Nozaki, Xavier Allonas, Bronislaw Marciniak
- PSII – P54 **SYNTHESIS AND PHOTOCATALYTIC PROPERTIES OF MESOSTRUCTURED
Au, Pt AND Pd/RuO₂-TiO₂ NANOARCHITECTURES**
Adel A. Ismail, Detlef W. Bahnemann
- PSII – P55 **SYNTHESIS OF NEW ADAMANTANE-LINKED 1,2,4-TRIOXANES**
Viktor Schlundt and Axel Griesbeck
- PSII – P56 **PHOTOCHEMISTRY OF ALLYLOXYBENZOPHENONES: A PSEUDOPATERNÒ-
BÜCHI REARRANGEMENT ACCOMPANIED BY HYDROGEN TRANSFER
INDUCED 1,5-CYCLIZATION**
Olga Hinze, Cologne/D, Helmut Görner, Muelheim an der Ruhr/D, Raúl Pérez-Ruiz,
Cologne/D, Axel G. Griesbeck, Cologne/D

- PSII – P59 **DYNAMIC BEHAVIOUR OF THE “RAMAN SPECTROSCOPIC SIGNATURE OF LIFE” IN A STARVING BUDDING YEAST CELL**
Yasuaki Naito, Akio Toh-e, Hiro-o Hamaguchi
- PSII – P60 **SYNTHESIS AND CHARACTERIZATION OF FLAVYLIUM SALTS ATTACHED TO REVERSIBLE ELECTROCHEMICAL MOIETIES**
Ana M. Diniz, Carlos Pinheiro, A. Jorge Parola, Fernando Pina
- PSII – P61 **ENHANCED EFFICIENCY IN VISIBLE LIGHT PHOTOCATALYTIC HYDROGEN GENERATION OF RUTHENIUM TRIS(2,2'-BIPYRIDYL)/METHYL VIologen SYSTEM BY THE PRESENCE OF CUCURBITURILS**
Cláudia G. Silva, Maykel de Miguel, Belén Ferrer, Mercedes Álvaro, Hermenegildo García
- PSII – P62 **SYNTHESIS OF TiO₂ BY COMBINED SOL-GEL AND HYDROTHERMAL METHOD. EFFECTS OF DIFFERENT ACIDS AND METAL IMPREGNATION**
E. Pulido Melián, O. González Díaz, G. Colón, J. M. Doña Rodríguez, J. A. Navío, J. Pérez-Peña
- PSII – P63 **PHOTOREACTION MECHANISM OF THE INTRAMOLECULAR HYDROGEN TRANSFER IN ORTHO-NITROBENZALDEHYDE BY AB INITIO METHODS**
Verónica Leyva, Inés Corral, Ferran Feixas, Lluís Blancafort, Leticia González
- PSII – P64 **PHOTOCURRENT SWITCHING IN NANOCRYSTALLINE CdS**
Agnieszka Podborska, Konrad Szaciłowski
- PSII – P65 **PHOTOELECTROCHEMICAL BEHAVIOUR OF THE TiO₂ – ORGANIC CHROMOPHORES SYSTEMS**
Sylvia Gawęda, Grażyna Stochel and Konrad Szaciłowski
- PSII – P66 **MAPPING THE EMITTING SITES WITHIN A SINGLE CONJUGATED POLYMER MOLECULE**
Suguru Onda, Satoshi Habuchi, Martin Vacha
- PSII – P67 **INTRAMOLECULAR CHARGE TRANSFER WITH FLUORAZENES**
Sergey Druzhinin, Sergey Kovalenko, Klaas Zachariasse
- PSII – P68 **MECHANISTIC INVESTIGATION ON NOVEL TWO-PHOTON ABSORBING PHOTOINITIATORS**
Arnulf Rosspeintner, Niklas Pucher, Markus Griesser, Robert Liska, Georg Gescheidt
- PSII – P69 **ON THE PRESENCE OF AN ADDITIONAL ELECTRON STATE (1¹E_{1g}) IN THE SORET BAND IN ZINC PORPHYRIN (ZnP)**
Jerzy Karolczak, Adam Lukaszewicz, Marcin Ziólek, Andrzej Maciejewski
- PSII – P70 **FLUORESCENCE BEHAVIOR OF 3-TRIFLUOROACETYLAMINO DERIVATIVE OF PHTHALIMIDE: PHOTOCHEMICALLY INDUCED RESPONSE TO Li⁺/I⁻ ION PAIR**
Hideki Okamoto, Hiroyuki Konishi, Kyosuke Satake

- PSII – P71 **HOMOGENEOUS PHOTOCATALYTIC MINERALIZATION OF ORGANIC COMPOUNDS IN AQUEOUS SOLUTIONS OF IRON IONS**
Masachiyo Imanishi, Keiji Hashimoto, Hiroshi Kominami
- PSII – P72 **GROUND AND SINGLET EXCITED STATE HYDROGEN BONDING INTERACTIONS BETWEEN 1-AZACARBAZOLE AND HEXAFLUOROISOPROPANOL IN n-HEXANE**
Emilio García-Fernández, Antonio Sánchez-Coronilla, María A. Muñoz, Carmen Carmona, Manuel Balón
- PSII – P73 **CHAIN LENGTH-INDEPENDENT LOCALLY EXCITED STATE AND EFFICIENT INTRACHAIN ENERGY TRANSFER IN PENTIPTYCENE-DERIVED OLIGO(P-PHENYLENEETHYNYLENE)S**
Jye-Shane Yang, Jyu-Lun Yan, Cheng-Kai Lin, Chih-Yuan Chen, Zhen-Yu Xie, and Chung-Hsuan Chen
- PSII – P74 **THEORETICAL STUDY OF THE INTERMOLECULAR HYDROGEN BONDING OF TWO BETACARBOLINE DERIVATIVES**
Antonio Sánchez-Coronilla, Emilio García-Fernández, Carmen Carmona, María A. Muñoz, Manuel Balón
- PSII – P75 **PHOTOPHYSICAL AND FUNCTIONAL CHARACTERIZATION OF SOL-GEL CONFINED GRAMICIDIN INCORPORATED IN ZWITTERIONIC AND ANIONIC LIPOSOMES**
Rocío Esquembre, José A. Poveda, M^a José Martínez-Tomé, Ricardo Mallavia and C.Reyes Mateo
- PSII – P76 **TEMPERATURE INFLUENCE ON THE ABSORPTION AND FLUORESCENCE SPECTRA OF BETACARBOLINE**
Antonio Sánchez-Coronilla, Emilio García-Fernández, José Hidalgo, Carmen Carmona, María A. Muñoz, Manuel Balón
- PSII – P77 **PHOTOCATALYTIC REDUCTION OF NITRO AROMATICS TO AMINO AROMATICS IN AQUEOUS SUSPENSIONS OF TITANIUM(IV) OXIDE PARTICLES IN THE PRESENCE OF OXALIC ACID**
Kazuya Imamura, Shin-ichi Iwasaki, Tsuyoshi Maeda, Keiji Hashimoto, Hiroshi Kominami, Bunsho Ohtani
- PSII – P78 **COLLECTIVE CHARACTER OF PREVITAMIN D *CIS-TRANS* ISOMERIZATION IN NEMATIC AND CHOLESTERIC LIQUID CRYSTALS**
Tetiana N. Orlova, Iryna P. Terenetska
- PSII – P80 **REGIOSELECTIVE PHOTOCYCLOADDITION OF I-SUBSTITUTED 7-AZASATINS AND ISATIN WITH ALKENES**
Jiro Tatsugi, Maki Miura, and Kouta Maedera
- PSII – P81 **PHOTOCATALYTIC REDUCTION OF NITROGEN OXIDES TO DINITROGENIN IN AQUEOUS SUSPENSIONS OF AG-PD-LOADED TITANIUM(IV) OXIDE**
Hitoshi Gekko, Yumiko Shimada, Keiji Hashimoto, Hiroshi Kominami

- PSII – P82 **INFLUENCE OF PLASMONIC ENHANCEMENT ON SURFACE-ENHANCED RAMAN SCATTERING**
Yukie Yokota, Kosei Ueno, Saulius Juodkazis, Vyngantas Mizeikis, Hiroaki Misawa
- PSII – P83 **THEORETICAL STUDY OF HYDROGEN ABSTRACTION BY α -NAPHTHOFLAVONE**
Rodrigo J. Corrêa, Nanci C. de Lucas, Simon J. Garden, Livia L. Mauro, José C. Netto-Ferreira
- PSII – P84 **SCATTERING SPECTROSCOPY OF NANO ENGINEERED GOLD NANOBLOCK PAIRS**
Shintaro Ikegaya, Kosei Ueno, Saulius Juodkazis, Vyngantas Mizeikis, Naoki Murazawa, and Hiroaki Misawa
- PSII – P85 **LASER CONTROL OF NUCLEAR SPIN SELECTIVE PHOTOISOMERIZATION - SIMULATIONS OF NUCLEAR WAVEPACKET DYNAMICS OF FULVENE**
Steffen Belz, S. Alfalah, O. Deeb, M. Leibscher
- PSII – P86 **INCREASING PHOTOSTABILITY AND SIGNAL STRENGTH OF FLUORESCENCE DYES FOR SINGLE MOLECULE SPECTROSCOPY AND FLUORESCENCE CORRELATION SPECTROSCOPY**
Klaus Schaper, Brigitte Bier
- PSII – P87 **A TD-B2-PLYP STUDY OF EXCITED STATE PROTON TRANSFER IN MALONALDEHYDE**
Ivana Antol, Stefan Grimme
- PSII – P88 **PHOTOPHYSICAL PROPERTIES OF HYDOXYSTILBAZOLES**
D. Prukala, I. Khmelinskii, M. Sikorski
- PSII – P89 **NEW PHOTOREMOVABLE PROTECTING GROUP ABSORBING ABOVE 500 NM**
Lovely Angel P.A., Wintner Jürgen, Petr Klán, Pavel Müller, Jakob Wirz
- PSII – P90 **SYNTHESES OF ENTANGLED POROUS COORDINATION FRAMEWORKS WITH PHOTOACTIVE LIGANDS AND CONTROL OF THE FLUORESCENT PROPERTIES BY GUEST AND HOST'S ENTANGLEMENTS**
Yohei Takashima, Shuhei Furukawa, Susumu Kitagawa
- PSII – P91 **NANOGAP LITHOGRAPHY USING LOCAL PHOTOCHEMICAL REACTIONS**
Satoaki Takabatake, Kosei Ueno, Yoshiaki Nishijima, Vyngantas Mizeikis, Saulius Juodkazis, and Hiroaki Misawa
- PSII – P92 **INFLUENCE OF HYDROTHERMAL TREATMENT ON ELECTRON TRANSFER IN DYE-DOPED TITANIA GEL**
Hiromasa Nishikiori, Yohei Uesugi, Nobuaki Tanaka, Tsuneo Fujii

- PSII – P93 **PHOTOCATALYTIC SELECTIVE OXIDATION OF METHANOL TO METHYL FORMATE OVER TITANIUM(IV) OXIDE AND PROMOTING EFFECT OF PALLADIUM LOADING**
Hiroshi Kominami, Hiroshi Sugahara, Shin-ya Yada, Keiji Hashimoto
- PSII – P94 **HYBRIDIZATION OF FLUORESCENT POROUS COORDINATION FRAMEWORK CRYSTALS BY EPITAXIAL GROWTH**
Shuheii Furukawa, Kenji Hirai, Susumu Kitagawa
- PSII – P95 **FACE SELECTIVE CRYSTAL SURFACE MODIFICATION OF A POROUS COORDINATION FRAMEWORK BY BODIPY DYES**
Mio Kondo, Shuheii Furukawa, Susumu Kitagawa
- PSII – P97 **CONFORMATIONAL DYNAMICS IN DYE-LABELED SINGLE-STRANDED DNA REVEALED BY SINGLE-MOLECULE AND ENSEMBLE MEASUREMENTS**
Takahiro Kaji, Syoji Ito, Shigenori Iwai, and Hiroshi Miyasaka
- PSII – P98 **ON THE RELATION BETWEEN DYE SENSITISED SOLAR CELL EFFICIENCY AND SENSITISERS ADSORPTION MODE**
Carlos Serpa, Monica Barroso, Carlos J. P. Monteiro, Mariette M. Pereira, Luis G. Arnaut, Mohammed K. Nazeeruddin
- PSII – P99 **OBSERVATION OF DELOCALIZATION OF CATIONIC STATE OF PHOTOCONDUCTIVE VINYL POLYMER SYSTEM IN FEMTOSECOND - PICOSECOND TIME REGION**
Tetsuro Katayama, Yukihide Ishibashi, Yuji Morii, Hiroshi Miyasaka
- PSII – P100 **PHOTOENOLIZATION OF THE PHENACYL EPOXIDES**
Aneesh Tazhe Veetil, Tomáš Šolomek, Tomáš Pospíšil, Petr Klán
- PSII – P101 **FLUOROMETRIC DETERMINATION OF SOLUBILIZATION IN TERGITOL 15-S MICELLES**
Francisco N. Lopes, Frank H. Quina, Victório R. de Jesús
- PSII – P102 **EXCITED-STATE DYNAMICS OF BIPHENYL BRIDGED ORGANOSILICAS IN SOLID FILM**
Yukihide Ishibashi, Tetsuro Katayama, Syoji Ito, Hiroshi Miyasaka, Ken-ichi Yamanaka, Yasutomo Goto, Takao Tani, Tadashi Okada, and Shinji Inagaki
- PSII – P103 **MODE-SELECTIVITY IN THE EXCITED STATE PROTON TRANSFER IN SIMPLE HETEROAROMATIC DONOR-ACCEPTOR SYSTEMS: SUPERSONIC JET AND MOLECULAR MODELING STUDIES**
Michal Kijak, Bernhard Brutschy, Yevgeniy Nosenko, Werner R. Thiel, Randolph P. Thummel, Jacek Waluk
- PSII – P104 **TANDEM PHOTOCHEMICAL TRANSFORMATIONS FOR THE ELABORATION OF FUNCTIONALIZED CYCLOBUTENE MOLECULAR SCAFFOLDS**
Matthieu Le Liepvre, Ramesh Ekambaram, Hendrik Eijsberg, Jean Ollivier, David J. Aitken

- PSII – P106 **SOLVENT EFFECTS IN THE VIBRATIONAL COOLING DYNAMICS OF 1-NITRONAPHTHALENE IN THE TRIPLET MANIFOLD**
Christian Reichardt, R. Aaron Vogt, Carlos E. Crespo-Hernández
- PSII – P107 **PHOTODYNAMICS OF A PHENYLENEVINYLENE TRIMER IN HIGH VISCOSITY SOLVENTS AND IN SOLID FILMS**
Roberto E. Di Paolo, Hugh D. Burrows, Jorge Morgado, António L. Maçanita
- PSII – P108 **PHOTOCHEMISTRY OF HEMIKETAL CHROMENE SPECIES FROM THE REACTION NETWORK OF 2-HYDROXYCHALCONES**
Yoann Leydet, Jorge Parola, Fernando Pina
- PSII – P109 **UNIVERSAL POWER-LAW MODEL FOR THE RANDOM FLUCTUATIONS IN THE FLUORESCENCE OF Cd Se/ZnS QUANTUM DOTS**
Sighart F. Fischer and W. Dietz
- PSII – P110 **SINGLE PHTHALOCYANINE DYES ON DENDRIMER FILMS PROBED BY FLUORESCENCE LIFETIME IMAGING MICROSCOPY**
Pedro M. R. Paulo, Sílvia M. B. Costa
- PSII – P111 **THE FLUORESCENCE OF CHLOROPHYLL PROBES THE DIFFUSION OF SPONTANEOUS VESICLES AND MICELLES IN A PHOSPHOLIPID_DETERGENT AQUEOUS SYSTEM**
Raquel F. Correia, Suzana M. Andrade, M. Isabel Viseu

POSTERS SESSION III

- PSIII – P1 **PHASE SEPARATION OF WATER/2-BUTOXYETHANOL MIXTURE CAUSED BY PHOTO-ISOMERIZATION OF SPIROPYRAN**
Ayaka Mori, Shinji Kajimoto, Hiroshi Fukumura
- PSIII – P2 **ENERGY TRANSFER IN NANOASSEMBLES BASED ON QUANTUM DOTS AND LUMINESCENT METAL COMPLEXES**
Srinidhi Ramachandra, Luisa De Cola
- PSIII – P3 **EVALUATION OF CYTOTOXICITY EFFECTS OF NANOPARTICLES PRESENT IN WORKING ENVIRONMENTS: PRELIMINARY RESULTS**
Luigi Tarpani, Loredana Latterini, Federico Ruspolini, Luca Taglieri
- PSIII – P4 **ULTRAFAST ELECTRONIC AND VIBRATIONAL SPECTROSCOPY: SUBSTITUENT EFFECTS AND PHOTOCHEMISTRY OF CHROMENES**
T. T. Herzog, T. Cordes, K. Haiser, G. Zeyat, K. Rück-Braun, and W. Zinth
- PSIII – P5 **PHOTOLUMINESCENCE CHARACTERIZATION OF NEW CARBON NANOSPHERE/CHROMIUM OXIDE NANOCOMPOSITE MATERIALS**
Wen-Lian Lee, Chi-Jung Su, Chien Ming Lei
- PSIII – P6 **THEORETICAL STUDIES OF THE PHOTO-INDUCED STABLE TRIPLET RADICAL PAIRS THROUGH THE POTENTIAL ENERGY SURFACES**
I-Ya Chang, Chin-Hui Yu
- PSIII – P7 **KINETICS FROM PICOSECONDS TO MINUTES: THE COMPLEX PHOTO-REARRANGEMENT OF A HETEROCYCLIC N-OXIDE**
Gerald Ryseck, Thorben Cordes, Nadja Regner, Björn Heinz, Elina Borysova, and Peter Gilch
- PSIII – P8 **HIGH SPATIAL RESOLUTION SUBSTRATES FOR SURFACE-ENHANCED RAMAN SCATTERING**
James A. Hutchison, Johan Hofkens, Hiroshi Uji-i, Chang Chen, Pol Van Dorpe, Gustaaf Borghs
- PSIII – P9 **PHOTOPHYSICAL PROPERTIES OF TTF-DPPZ METAL COMPLEXES**
Nathalie Dupont, Jakob Grilj, Shi-Xia Liu, Silvio Decurtins, Andreas Hauser
- PSIII – P10 **ENERGY TRANSFER AND FLUORESCENCE QUENCHING IN CONJUGATED CATIONIC POLYMER –DNA INTERACTIONS**
M. L. Davies, P. Douglas, H. D. Burrows, M. G. Miguel and A. Douglas
- PSIII – P11 **NOVEL RED-EMITTING FLUOROPHORES**
Jutta Arden-Jacob, Monika Hamers-Schneider, Norbert U. Kemnitzer, Alexander Zilles, Karl H. Drexhage

- PSIII – P12 **PHOTOCATALYTIC ONE-POT SYNTHESIS OF POLYALKYLATED QUINOLINES MEDIATED BY TiO₂**
Amer Hakki, Ralf Dillert and Detlef Bahnemann
- PSIII – P13 **INTRODUCTION OF ELECTRON-DONATING AND ELECTRON-WITHDRAWING ARYL GROUPS IN ZINC BENZOTHAZOLE COMPLEXES BY SUZUKI-MIYAUURA COUPLING**
Somnath Dey, Alexander Efimov, Helge Lemmetyinen
- PSIII – P14 **A MULTICOLOURED MOLECULAR SWITCH THAT RESPONDS TO PROTONS, PHOTONS AND ELECTRONS**
Guillaume Sevez, Stéphanie Delbaere, Jean-Luc Pozzo, Gaston Vermeersch, Lionel Sanguinet, Eric Levillain
- PSIII – P15 **LONG DISTANCE PHOTOINDUCED ELECTRON TRANSFER. DISTANCE AND ENERGY DEPENDENCES**
Paulo J. S. Gomes, Carlos Serpa, Rui M. D. Nunes, Luis G. Arnaut, and Sebastião J. Formosinho
- PSIII – P16 **A NOVEL FLUORESCENCE-BASED SUPRAMOLECULAR TANDEM ASSAY FOR MONITORING ATP DEPLETION BY POTATO APYRASE**
Mara Florea, Werner M. Nau
- PSIII – P17 **LONG-RANGE PHOTOINDUCED ELECTRON TRANSFER IN ZINC(II)PHTHALOCYANINE BASED DONOR-ACCEPTOR DYADS**
Erik Göransson, Susanne Karlsson, Jérôme Fortage, Julien Boixel, Hans-Christian Becker, Errol Blart, Fabrice Odobel, Leif Hammarström
- PSIII – P18 **MECHANISTIC DISTINCTIONS IN TERMS OF POTENTIAL ENERGY SURFACE TOPOGRAPHIC FEATURES BETWEEN EXCITED STATE INTRAMOLECULAR PROTON IN O-HYDROXYBENZALDEHYDE AND HYDROGEN TRANSFER IN O-NITROBENZALDEHYDE**
Annapaola Migani, Lluís Blancafort
- PSIII – P20 **FABRICATION OF GOLD NANOPARTICLES IN DYNAMIC NANOSTRUCTURED PHASES DURING LASER-INDUCED PHASE SEPARATION**
Shinji Kajimoto, Daisuke Shirasawa, Yasuhiko Fujita, Hiroshi Uji-i, Johan Hofkens, Hiroshi Fukumura
- PSIII – P21 **MODIFICATION OF THE PHOTOPHYSICAL AND CHEMICAL PROPERTIES OF THE DRUG MOLECULES BY USING THE INFLUENCE OF SUPRAMOLECULAR pK_a SHIFT**
Indrajit Ghosh, Na`il Saleh, Apurba L. Koner, Werner M. Nau
- PSIII – P22 **COLCHICINE-PROTEIN INTERACTIONS REVEALED BY TRANSIENT ABSORPTION SPECTROSCOPY AFTER IN SITU PHOTOISOMERIZATION TO LUMICOLCHICINES**
Pavel Bartovský, Rosa E. Tormos, Miguel A. Miranda

- PSIII – P23 **MECHANISM OF SINGLET OXYGEN PRODUCTION VIA LIGHT SENSITIZATION OF PORPHYRINS AND BACTERIOCHLORINS**
Elsa F. F. Silva, Carlos Serpa, Janusz Dabrowski, Carlos J. P. Monteiro, Luis G. Arnaut, J. Formosinho, Grazynia Stochel, Sérgio Simões, Mariette M. Pereira
- PSIII – P24 **OXYGEN SCAVENGING OF ARYL-SUBSTITUTED BENZYL RADICALS**
Hamdy S. Elsheshtawy, Werner M. Nau
- PSIII – P25 **PHOTOBHAVIOUR OF 4-METHOXY-1-NAPHTHOXYACETIC ACID IN ORGANIC SOLVENTS, WATER, AND IN THE PRESENCE OF HUMAN SERUM ALBUMIN**
Efrosini Barbayianni, Virginia Lhiaubet-Vallet, Miguel A. Miranda
- PSIII – P26 **TRANSIENT ABSORPTION SPECTROSCOPY FOR THE STUDY OF FLURBIPROFEN INTERACTION WITH BINARY SERUM ALBUMIN/ALPHA-1-ACID GLYCOPROTEIN SYSTEMS**
Carlos J. Bueno, M. Consuelo Jiménez, Miguel A. Miranda
- PSIII – P27 **COLORIMETRIC AND RATIOMETRIC CHEMOSENSORS FOR METAL IONS BASED ON AZA-15-CROWN-5 ETHER CONTAINING NAPHTHALIMIDE DERIVATIVES**
P. A. Panchenko, V. P. Perevalov, Yu V. Fedorov, O. A. Fedorova
- PSIII – P28 **PHOTOPHYSICAL PROPERTIES AND CELL INCORPORATION OF NEW PHTHALOCYANINES-ALA CONJUGATES**
Adjaci F. Uchoa, Christiane Pavani, Kleber T. de Oliveira, Francisco F. de Assis, Anderson A. Ribeiro, Cláudio R. Neri, Yassuko Iamamoto, Mauricio S. Baptista and Osvaldo A. Serra
- PSIII – P29 **PHOTOPOLYMERIZATION OF METHYL METHACRYLATE SENSITIZED BY MACROPHOTOINITIATORS IN THE PRESENCE OF CO-INITIATOR**
Ricardo A. Escripção, Beatriz E. Goi, Carla C. S. Cavalheiro, Miguel G. Neumann
- PSIII – P30 **THE STUDY OF THERMOLUMINESCENCE PROPERTIES OF KCl: Eu**
Mohammad Reza Jalali Nadooshan, Hossein Salavati
- PSIII – P31 **INTRAMOLECULAR EXCITED STATE INTERACTIONS IN BIPHENYL-THYMINE DYADS**
M. Consuelo Jiménez, M. José Climent, Belén Asins, Ignacio Vayá and Miguel A. Miranda
- PSIII – P32 **S-HEPTAZINE DERIVATIVES – TOWARDS SENSING OF SINGLET OXYGEN**
Joanna Kuncewicz, Wojciech Macyk, Konrad Szaciłowski, Grażyna Stochel
- PSIII – P33 **QUENCHING OF PYRENE SOLUBILIZED INTO BLOCK COPOLYMER MICELLES FORMED BY POLYSTYRENE AND POLY(ACRYLIC ACID)**
Andres F. Olea, P. Silva, M. Gonzalez, I. Fuentes, F. Martinez, Dave Worrall

- PSIII – P34 **SURFACE PHOTOCHEMISTRY: BENZOPHENONE ADSORBED WITHIN HYDROXYAPATITES**
Anabela S. Oliveira, Érica F.S. Torres, Andreia M. Costa, Elena Mavropoulos, Alexandre M. Rossi, Josino C. Moreira, Luis Filipe Vieira Ferreira
- PSIII – P35 **PHOTOPHYSICAL STUDIES OF AXIALLY SUBSTITUTED TIN^{IV} AND SILICON^{IV} PHTHALOCYANINES**
Elizabeth Gutiérrez-Meza, Jimena S. Zugazagoitia, Raquel Noria-Moreno, Jorge Peón
- PSIII – P36 **SYNTHESIS OF MULTI-ARYLPYRIDINE DERIVATIVES AND APPLICATION IN NON-DOPED DEEP-BLUE OLED AS ETL WITH HIGH HOLE-BLOCKING ABILITY**
Peng F. Wang, Chun S. Lee, Na Li
- PSIII –P37 **NEW FLUORESCENT MOLECULAR SWITCHES BASED ON PERYLENE-DIIMIDE**
Rafael Sánchez, José L. Bourdelande, Gonzalo Guirado, Jordi Hernando
- PSIII – P38 **TiO₂ AND WO₃ BASED PHOTOCATALYSTS ACTIVE UNDER VISIBLE LIGHT**
Adriana Zaleska, Ewelina Grabowska, Marcin Janczarek, Janusz W. Sobczak, Maria Gazda, Jan Hupka
- PSIII – P39 **SPECTROSCOPIC STUDIES OF THE INTERACTIONS BETWEEN FLUORESCENT ORGANOCATALYSTS AND SUBSTRATES**
Junhong Qian, Albert M. Brouwer
- PSIII – P40 **DEGREE OF CONVERSION AND THERMAL ANALYSIS OF LIGHTCURED DIMETHACRYLATE-BASED DENTAL RESINS**
Laís C. Santos, Gilbert Bannach, Carla C. S. Cavalheiro, Miguel G. Neumann, Éder T. G. Cavalheiro
- PSIII – P41 **ENERGY MIGRATION AND TRANSFER IN DYE-POLYELECTROLYTE LAYER-BY-LAYER SELF-ASEMBLED THIN FILMS**
Martín Mirenda, Lelia Dixelio, Enrique San Román
- PSIII – P42 **TRIPLET QUANTUM YIELDS IN LIGHT-SCATTERING POWDER-SAMPLES MEASURED BY LASER-INDUCED OPTOACOUSTIC SPECTROSCOPY**
Eugenia P. Tomasini, Enrique San Román, Silvia E. Braslavsky
- PSIII – P43 **DELAYED FLUORESCENCE IN HIGH PURITY PERYLENE CRYSTALS**
Masahiro Kotani, Masafumi Yoshimura, and Yasuaki Naito
- PSIII – P44 **OBSERVATION OF CIS- AND TRANS-PEROXYNITRITE FOLLOWING PHOTOLYSIS OF NITRATE IN AQUEOUS SOLUTION**
Jan Thogersen, Jacob Brun Nielsen, Svend Knak Jensen, Ane Gadegaard, Christian Petersen, Soren Rud Keiding

- PSIII – P45 **PHOTOTRANSFORMATION OF SUPRAMOLECULAR COMPLEXES OF MODIFIED CYCLODEXTRINS WITH CROWN-CONTAINING HETARYLPHENYLETHENES**
Yuri V. Fedorov, Olga A. Fedorova, Elena N. Gulakova, Ekaterina Yu. Chernikova
- PSIII – P46 **SYNTHESIS OF UV-PHOTOACTIVE DANSYL DERIVATIVES FOR FLOW CYTOMETRIC STUDIES ON BILE ACID UPTAKE**
M. Luisa Marin, Jana Rohacova, J-E. O'Connor, M. J. Gomez-Lechon, M. T. Donato, J. V. Castell, M. A. Miranda
- PSIII – P47 **PREPARATION OF POLYMERIC NANOCOMPOSITES CONSISTING IN MAGNETITE NANOPARTICLES EMBEDDED IN A POLYANILINE POLYMERIC MATRIX**
Salehi, Mohammad Taghi
- PSIII – P48 **VARIOUS PHOTOTRANSFORMATIONS OF NOVEL STYRYL-SUBSTITUTED FURO-BENZOBICYCLO[3.2.1]OCTADIENE DERIVATIVES**
Irena Škorić, Ilijana Kikaš, Zeljko Marinić, Marija Šindler-Kulyk
- PSIII – P49 **DEGRADATION STUDIES OF AMIDO BLACK BY UV/H₂O₂ AND CHARACTERIZATION OF PRODUCTS**
M. Meetani, S. S. Ashraf and M. A. Rauf
- PSIII – P50 **COMPUTATIONAL STUDIES OF VIBRONIC EFFECTS IN INORGANIC CHEMISTRY: PHOTOSTEREOCHEMISTRY OF (BQA)PtMe₂I, AND THE PSEUDOJAHN- TELLER EFFECT IN Mo₂(DXyIF)₂(O₂CCH₃)₂(μ⁻ 2-O)₂**
Justyna Zurek and Martin J. Paterson
- PSIII – P51 **PHOTOREACTIVITY OF ANTI-INFLAMMATORY DRUGS IN THE PRESENCE OF BIOLOGICAL IONS**
Margarita Valero, Marcela Valverde
- PSIII – P52 **FEMTO-SECOND TIME-RESOLVED TRANSIENT ABSORPTION STUDY OF AN AZOBENZENE BASED IONIC LIQUID**
Akira Ida, Boiko Cohen, Juan Angel Organero, Michal Gil, Tooru Asaka, Akio Kawai, Kazuhiko Shibuya, Abderrazzak Douhal
- PSIII – P53 **PHOTOREGULATION OF AGGREGATION OF SILVER AND GOLD NANO— PARTICLES CAPPED WITH AZOBENZENE-DERIVATIVE SAM**
Takeshi Kawai, Masakazu Kume, Takahiro Ishisone
- PSIII – P54 **HYDROTHERMAL SYNTHESIS AND CHARACTERIZATION OF TITANIA NANOTUBES FOR PHOTOCATALYSIS**
Ignacio Tacchini, Alejandro Ansón, M. Teresa Martínez
- PSIII – P55 **EXPERIMENTAL AND THEORETICAL STUDY ON ELECTRONIC STRUCTURE AND SPECTROSCOPIC PROPERTIES OF NOVEL Rh(III) AND Ir(III) COMPLEXES BASED ON DIPYRROMETHENE DERIVATIVES**
Mateusz Rebarz, Diane Ramlot, Cecile Moucheron, Andrée Kirsch-De Mesmaeker, David Beljonne, Igor Avilov

- PSIII – P56 **PHOTOINDUCED PROTON TRANSFER REACTION PATHS IN A POLIGLYCINE MODEL. A CASSCF//CASPT2 STUDY**
Marco Marazzi, Unai Sancho, Obis Castaño, Wolfgang Domcke, Luis M. Frutos
- PSIII – P57 **CONFORMATIONAL CHANGES OF RNA OLIGONUCLEOTIDES UPON PROTEIN BINDING STUDIED BY PET-FCS**
Christian Steuwe, Jan Schöning, Sören Doose, Hannes Neuweiler, Mark Schüttpelz, Dorothee Staiger, Markus Sauer
- PSIII – P58 **PHOTOCHROMIC PROPERTIES OF 1,1'-BINAPHTHO(AZACROWN-5) CARRYING SPIROPYRAN-AND NAPHTHOXAZINE SIGNALING UNITS**
Miklós Kubinyi, Peter Baranyai, István Bitter, Olívia Varga, Tamás Vidóczy
- PSIII – P59 **SYNTHESIS AND SPECTROSCOPIC ANALYSIS OF THERAPEUTIC RU(II) COMPLEXES**
Samar Moqadas, Laura Perdisatt, Dr. Luke O'Neill and Dr. Christine O'Connor
- PSIII – P60 **THEORETICAL STUDIES OF ONE AND TWO-PHOTON ABSORPTION SPECTROSCOPY OF $\text{Fe}(\text{CO})_5$ AND POTENTIAL ENERGY SURFACES FOR PHOTODISSOCIATION**
Russell G. Mckinlay, Martin J. Paterson
- PSIII – P61 **PHOTOPHYSICAL AND ELECTROCHEMICAL CHARACTERISATION OF NEW TETRAPYRROLIC MACROCYCLE SENSITIZERS FOR DYE-SENSITISED SOLAR CELLS**
Monica Barroso, Carlos J. P. Monteiro, Carlos Serpa, Mariette M. Pereira and Luis G. Arnaut
- PSIII – P62 **STUDY OF INFLUENCE OF MOBILITY OF PHYCOBILIPROTEINS ON THE ENERGY FUNNELING IN CRYPTOPHYTE ALGAE**
K.E. Wilk, T. Mirkovic, G. Scholes and P. M. G. Curmi
- PSIII – P63 **FEMTOSECOND AND STEADY STATE SPECTROSCOPY OF A PHOTOSENSITIZED PHTHALOCYANINE WITH AXIAL CHROMOPHORIC LIGANDS**
Pedro Navarro, William Rodriguez, Carlos Damian Zea, Raquel Noria, Cesar Güarin and Jorge Peon
- PSIII – P64 **SIMPLE TECHNIQUE FOR MONITORING ION-ELECTRON RECOMBINATION ON SURFACES**
Siân L. Williams, David Worrall
- PSIII – P65 **PHASE SEPARATION AND PHASE TRANSITION DYNAMICS OF THERMO-RESPONSIVE POLYMERS BY LASER T-JUMP TECHNIQUE**
Yasuyuki Tsuboi, Yaushiro Yohida, Kanae Kikuchi, Kaoru Iwai, Hiroaki Simimoto, Shokyoku Kanaoka, Sadahito Aoshima, Noboru Kitamura
- PSIII – P66 **NEAR-INFRARED CW LIGHT CAN DRIVE 2-PHOTONIC PHOTOCROMISM WITH THE ASSISTANCE OF LOCALIZED SURFACE PLASMON**
Ryosuke Shimizu, Yasuyuki Tsuboi, Tatsuya Shoji, Noboru Kitamura

- PSIII – P67 **ELECTRON TRANSFER REACTIONS IN TERNARY SYSTEMS ON SILICA GEL**
Iain Kirkpatrick, Sian L. Williams, David R. Worrall
- PSIII – P68 **ULTRAFAST IR SPECTROSCOPY OF TRANSIENTS FORMED BY UV EXCITATION OF CYTOSINE-RICH NUCLEIC ACIDS**
Páraic Keane, Michal Wojdyla, Gerard W. Doorley, Anthony W. Parker, Michael Towrie, John M. Kelly and Susan J. Quinn
- PSIII – P69 **NEW FLUORESCENT MOLECULAR SENSORS FOR HEAVY METAL IONS BASED ON BIDENTATE PHOSPHANE OXIDE AND PHOSPHANE SULFIDE DERIVATIVES**
Isabelle Leray, Minh-Huong Ha-Thi, Delphine Kucma, Mireille Blanchard- Desce, Véronique Michelet
- PSIII – P70 **ELUCIDATING THE ELECTRONIC STRUCTURE OF Pt(DIIMINE)(ACETYLIDES) BY RESONANCE RAMAN SPECTROSCOPY**
Robert D. Bennett, Igor V. Sazanovich, Nail M. Shavaleev, Julia A. Weinstein
- PSIII – P71 **UV 3-PULSE PHOTON ECHO EXPERIMENTS ON DIPHENYLACETYLENE SOLUTION**
Ahmad Ajdarzadeh, Andrea Cannizzo, Olivier Bräm, Frank van Mourik, Andreas Tortschanoff and Majed Chergui
- PSIII – P72 **THE EXCITED STATE DOUBLE PROTON TRANSFER IN 6,7-DIMETHYLLALLOXAZINE: THEORETICAL AND EXPERIMENTAL APPROACH**
M. Sikorski, E. Sikorska, Luis F.V. Ferreira, I. Khmelinskii
- PSIII – P73 **MOLECULAR PHOTOSWITCHES FOR SUPER-RESOLUTION FLUORESCENCE MICROSCOPY**
Sebastian van de Linde, Mike Heilemann, Markus Sauer
- PSIII – P74 **SPIN CROSS-OVER IN FE(II)-BASED MOLECULAR COMPLEXES STUDIED BY VISIBLE-PUMP/UV-PROBE FEMTOSECOND TRANSIENT ABSORPTION**
Cristina Consani, Amal El Nahhas, Mirabelle Prémont-Schwarz, Christian Bressler, Frank van Mourik, Andrea Cannizzo, Majed Chergui
- PSIII – P75 **SYNTHESIS OF RHENIUM-BASED, LUMINESCENT MOLECULAR VESSEL: APPLICATIONS IN SENSING AND IMAGING**
Flora L. Thorp-Greenwood, Vanesa Fernández-Moreira, Michael P. Coogan
- PSIII – P76 **AB INITIO PHOTOCHEMISTRY IN SOLUTION: FROM MODEL SOLVENTS TO REACTIVE ENVIRONMENT**
Milan Oncák, Petr Slavíček, Michal Fámík
- PSIII – P78 **FEMTOSECOND UV FLUORESCENCE AND TRANSIENT ABSORPTION STUDIES OF CYTOCHROME C PROTEIN DYNAMICS**
Olivier Bräm, Cristina Consani, Frank van Mourik, Andrea Cannizzo, Majed Chergui

- PSIII – P79 **LASER (AND SYNCHROTRON RADIATION) SCANNING MICROSCOPY OF THE DIATOM CYCLOTELLA MENEGHINIANA: MAPPING ENERGY TRANSFER FROM THE BLUE AND RED FUCOXANTHINS TO CHLOROPHYLL-A**
Lavanya Premvardhan, Matthieu Refregiers, Claudia Büchel
- PSIII – P80 **SYNTHESIS, STRUCTURE AND PHOTOCHEMICAL PROPERTIES OF THE $\text{Mo}_3\text{S}_4(\text{dmpe})_3\text{Cl}_3(\text{FeN}_3)^{2+}$ CLUSTER**
Agnieszka Jańczyk, Iván Sorribes, Rosa Llusar, Cristian Vicent, Manuel G. Basallote,
- PSIII – P81 **PHOTOPHYSICS OF METAL-METAL BONDED EXCIPLEXES BETWEEN TETRAKIS(μ -DIPHOSPHITO)DIPLATINATE(II) (PTPOP) AND SILVER(I)**
Kasper S. Kjær, M. Christensen, K. Haldrup, K. Bechgaard, H. Weie, K. Kilså, M. Meedom Nielsen, N. Harrit
- PSIII – P82 **TIME-RESOLVED PHOTOELECTRON SPECTROSCOPY AND THE PHOTOPROTECTIVE PROPERTIES OF ADENINE**
Amanda N. Brouillette, N.L. Evans, William M. Potter, and Susanne Ullrich
- PSIII – P83 **EXCITED STATE DYNAMICS IN POLYMER FOR PHOTOVOLTAIC APPLICATIONS**
Shufeng Wang
- PSIII – P84 **EFFECT OF IONIC STRENGTH AND SALT CONCENTRATION ON PROPERTIES OF SILVER NANOPARTICLES AND ITS APPLICATION TO OPTICAL SENSOR DESIGN**
N.Hooshmand, R.Mirzajani, E.Gozar
- PSIII – P85 **PHOTOCHEMICAL DEGRADATION OF AZO DYES USING IN TWXTILE INDUSTRIES BY IMMOBILIZED RESIN DOWEX-11**
R.C.Meena
- PSIII – P86 **PHOTOINDUCED CHARGE SEPARATION IN Pt (II) COMPLEXES WITH NAPHTHALIMIDE ACCEPTORS**
A. H. Shelton, L. J. R. James, I. V. Sazanovich, R. D. Bennett, J. Best, J. A. Weinstein, M. Towrie, S. Tikhomirov
- PSIII – P87 **DYE SENSITIZED ZINC OXIDE SOLAR CELL: NEW APPROACHS**
María Quintana, Gerrit Boschloo, Anders Hagfeldt
- PSIII – P89 **FEMTOSECOND DYNAMICS OF A PORPHYRIN DERIVATIVE WITHIN HUMAN SERUM ALBUMIN PROTEIN**
Anna Synak, Michal Gil, Juan A. Organero and Abderrazzak Douhal
- PSIII – P90 **TIME-RESOLVED FLUORESCENCE MICROSCOPY OF NANOCLUSTERS OF A PROTON-TRANSFER DYE INTERACTING WITH ZEOLITES**
J. A. Organero, C. Martín, A. Roshal, B. Cohen, and A. Douhal

- PSIII – P91 **PICOSECOND DYNAMICS OF 4'-DIMETHYLAMINOFLAVONOL INTERACTING WITH NaX / NaY ZEOLITES AND SILICE NANOPARTICLES**
Cristina Martín, Juan A. Organero, Alexander Roshal and Abderrazzak Douhal
- PSIII – P92 **REVERSIBLE SOL-GEL TRANSITION OF LONG-CHAIN AMIDE DERIVATIVES CONTROLLED BY LIGHT**
Keisuke Matsue, Yoshiro Imura, Takeshi Kawai
- PSIII – P93 **THE ORIGIN OF PHOTOSTABILITY OF UV FILTERS IN THE HUMAN LENS**
Peter S. Sherin, Yuri P. Tsentalovich, Jakob Grilj, Eric Vauthey
- PSIII – P94 **KINETIC AND MECHANISTIC INVESTIGATIONS OF THE TRANSFER OF TRAPPED ELECTRONS IN TiO₂ TO SILVER IONS IN AQUEOUS SOLUTION**
Hanan Bassiesa and Detlef Bahnemann
- PSIII – P95 **INSIGHTS INTO THE PHOTODYNAMICS OF PIGMENT YELLOW 101 AND THE PHOTOSWITCH HEMITHIOINDIGO (HTI)**
Jürgen Plötner, Andreas Dreuw
- PSIII – P96 **INTERPRETATION OF FLUORESCENCE DECAY KINETICS IN OLIGONUCLEOTIDES USING A HETEROGENEITY MODEL OF LIFETIME DISTRIBUTION BASED ON LONG-RANGE PHOTOINDUCED ELECTRON TRANSFER**
Borys Kierdaszuk
- PSIII – P97 **ANTHOCYANINS AS PHOTOPROTECTORS OF PLANTS**
Palmira F. Silva, L. Paulo, F. H. Quina, F. Elisei, A. Barbafina, A. L. Maçanita
- PSIII – P98 **CONFORMATIONAL TEMPERATURE EFFECT IN POLY (3- HEXYLTHIOPHENE) (P3HT) IN SOLUTION**
Bruno Ferreira, Palmira F. Da Silva, Jorge Morgado, António Maçanita