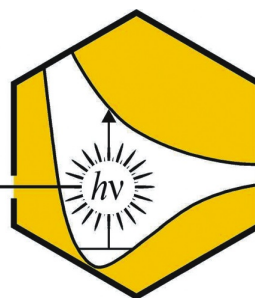




GESELLSCHAFT
DEUTSCHER CHEMIKER

Fachgruppe
Photochemie



23rd Lecture
Conference on
Photochemistry
October 8 - 10, 2012
in Potsdam



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Contents

1	Organization	5
1.1	General Information	5
1.2	Travel Information	6
2	Exhibitors	7
3	Program	9
4	List of Posters	12
5	Oral Presentations	19
	Monday	20
	Session 1	20
	Session 2	26
	Tuesday	33
	Session 3	33
	Session 4	38
	Session 5	42
	Session 6	46
	Wednesday	48
	Session 7	48
	Session 8	53
6	Posters	57
7	List of Authors	121

1 Organization

1.1 General Information

Scientific Committee

Luisa de Cola
Martin Goez
Hans-Gerd Löhmansröben
Heinz Mustroph
Werner Nau
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Conference Address

University of Potsdam
Institute of Chemistry
(Physical Chemistry)
Campus Golm, Haus 27
Karl-Liebknecht-Str. 24-25
14476 Potsdam, Germany

1.2 Travel Information

Layout Plan



Public transportation

Near to the conference venue is a train station “Potsdam Golm“, which is a regular stop of the RE1 (to and from Berlin main station), RB20 (to and from Potsdam main station) and RB21 (ply between between Berlin main station and Potsdam main station). Another possibility is to take the S-Bahn from Berlin to Potsdam main station and subsequently going by bus (605 – direction “Wissenschaftspark Golm” or 606 “Alt-Golm”).

By car

Take the autobahn A10 and leave at Potsdam-Nord (exit 25) or at Leest (exit 24). Afterwards following directional signs to Golm or “Wissenschaftspark Golm”. The complex Golm is located opposite to the train station “Potsdam Golm”, Karl-Liebknecht-Straße 24-25.

2 Exhibitors

We kindly thank the following exhibitors

- ATTO-TEC GmbH
- Becker & Hickl GmbH
- Colibri Photonics GmbH
- Fraunhofer Institut für angewandte Polymerforschung (IAP)
- GWU-Lasertechnik Vertriebsges. mbH
- Hamamatsu Photonics Deutschland GmbH
- HORIBA Jobin Yvon GmbH
- Menlo Systems GmbH
- Nanosurf GmbH
- Optikexpertisen Dr. Volker Raab
- OPTIMARE Analytik GmbH & Co. KG
- PerkinElmer LAS (Germany) GmbH
- Photonik BB, JP-ProteQ
- TOPAG Lasertechnik GmbH

3 Program (Updated on 27/9/2012)

Monday, October 8th, 2012

		page
13:00	Opening remarks	
13:10	“Fluorescent sensors and logic gates”	A.P. de Silva 20
14:00	“Anion recognition in organic and aqueous media using artificial receptors”	E. Kataev 21
14:20	“9-Arylbenzo[b]quinolizinium derivatives as multi-color chemosensors”	H. Ihmels 22
14:40	“Fluorescence dye dyads for single molecule super-resolution microscopy”	D. Wöll 23
15:00	“Absolute fluorometry in the life and material sciences: characterization of fluorescent particles and new quantum yield standards”	U. Resch-Genger 24
15:20	“Quantum Dots as versatile biosensors for FRET-based multiplexed diagnostics”	N. Hildebrandt 25
15:40	Coffee break	
16:10	“Optical chemical sensing and imaging”	R.J. Meier 26
17:00	“Photophysics of photoacids based on pyrene”	C. Spies 27
17:20	“Strongly fluorescent switchable perylene-bisdiimide (PDI) host-guest complexes with cucurbit[8]uril in water”	F. Biedermann 28
17:40	“Influence of solvents on the ground and excited states properties of 2-(1-Naphthyl)acetamide and 2-Naphthoxyacetic acid	E. Sousa da Silva 29
18:00	“Influence of donor-acceptor-distance on photoinduced PCET”	O. Wenger 30
18:20	“Flavin acts as a red light sensor in an animal-like cryptochrome”	T. Kottke 31
18:40	“Photochromic Switching of a Spiropyran-Cucurbit[7]uril Supramolecular Complex”	U. Pischel 32
19:00	Poster session and refreshments	

Tuesday, October 9th, 2012

8:30	“Non-linear optics of porphyrins”	M. Senge	33
9:20	“Amplification of optical signals as result of molecular photoreactions by thermotropic self-organisation and phase separation”	J. Stumpe	34
9:40	“Structural control of photoinduced dynamics in 4H-imidazole ruthenium complexes”	M. Wächtler	35
10:00	“Photolithography and fueling of molecular rotors with singlet oxygen”	T. Linker	36
10:20	“Photoprocesses in chemical education”	M. Tausch	37
10:40	Coffee break		
11:00	“Control of hydrogen bonding towards optical functionalization”	K.-I. Sakai	38
11:50	“Spectroscopic studies of a photocatalytic system for hydrogen generation”	A. Neubauer	39
12:10	“Novel artificial photosynthetic routes – two examples”	R. Beranek	40
12:30	“IR-Laser induced population transfer in NH ₃ – experimental test-scheme to prepare a chiral superposition state for the measurement of Δ_{PVE} between enantiomers of chiral molecules”	G. Seyfang	41
12:55	Photograph and lunch break		
14:00	“Photochemistry of organic compounds on ice and snow surfaces”	P. Klán	42
14:50	“Quantification of surface functional groups by spectroscopic methods”	A. Hennig	43
15:10	“Unexpected facilitation of radical-anion photoionization by protonation”	C. Kerzig	44
15:30	“Solving an anomaly of the resonance Raman spectrum of β -carotene with Duschinsky rotation”	S. Banerjee	45
15:50	Coffee break		
16:20	“Robust and sensitive FRET-systems involving Ru-complexes”	W. Bannwarth	46
17:10	Förster award lecture “Using Organic Photochemistry to Make Nanoparticles and Nanoparticles to Direct Organic Chemistry”	J.C. Scaiano	47

18:00 General Meeting of the Division of Photochemistry,
lecture hall

20:00 Conference dinner at “Drachenhaus”, Maulbeerallee 4a, 14469 Potsdam

Wednesday, October 10th, 2012

8:30	“Covalent and non-covalent nanocomposites of graphene oxide and reduced graphene oxide with dye molecules”	A. Wojcik	48
9:20	“Design of functional NIR-photoinitiator systems for coating applications”	B. Strehmel	49
9:40	“Mechanism and reversibility of DNA compaction by photosensitive surfactants”	Y. Zakrevskyy	50
10:00	“Slow spin transitions in Iron(II) complexes: on the way to bistable spinisomers”	G. Hörner	51
10:20	“Magnetic field effects in chemistry: how does an external magnetic field influence a chemical reaction?”	G. Grampp	52
10:40	Coffee break		
11:00	“Photoprotection of human skin”	B. Herzog	53
11:50	“New techniques for high-speed, high-resolution spectroscopy”	B. Schmidt	54
12:40	“Photochemical synthesis of the anti-malarial drug artemisinin in continuous flow”	D. Kopetzki	55
13:30	Concluding remarks	M. Goez	

4 List of Posters

		Page
P1	All-optical reversible manipulation of microgel swelling using photosensitive surfactant Zakrevskyy, Y., Richter, M., von Klitzing, R., Santer, S.	58
P2	Acyl-DBD dyes: Fluorescence lifetime probes for lipophilic microenvironments Wawrzinek, R., Wessig, P., Möllnitz, K., Nikolaus, J., Schwarzer, R., Müller, P., Herrmann A.	59
P3	Highly sensitive multiplexed FRET immunoassays using spectral crosstalk correction Geißler, D., Stufler, S., Löhmannsröben, H.-G., Hildebrandt, N.	60
P4	The [2.2.2]heptamethinecyanine dye: A G-quadruplex selective ligand Thomas, L., Ihmels, H.	61
P5	1,2,3-triazol-1,4-diyl-Fluoroionophores for K⁺-, Na⁺- and Ca²⁺-Ions Schwarze, T., Müller, H., Ast, S., Holdt, H.-J.	62
P6	Active Micro-Optics for Spatial Polarization Control Rutloh, M., Schaal, F., Pruss, C., Osten, W., Rossbach, R., Jetter, M., Weidenfeld, S., Michler, P., Stumpe, J.	63
P7	Photopolymerizable Acrylate-Based Organic-Inorganic Nanocomposites For Holographic Optical and Photonic Elements Sakhno, O., Stumpe, J., Smirnova, T.	64
P8	Conformational Control of Tetrapyrrole Cofactors in Nature Senge, M. O., MacGowan, S. A.	65
P9	Semiconductor Quantum Dots in FRET-Immunoassays Liermann, K., Geißler, D., Stufler, S., Wegner, D., Löhmannsröben, H.-G.	66
P10	Efficiently Quenched Fluorescent NIR Probe for Detection of Enzyme Activity Sloniec, J., Resch-Genger, U., Hennig, A.	67

P11	Light makes it work. Molecular reaction dynamics investigation at ultrafast time scale on NADPH:protochlorophyllide oxidoreductase	
	Garrone, A., Fey, S., Schäfer, J., Hermann, G., Dietzek, B.	68
P12	Multi-Photon-Spectroscopy with Quantum Dots in Life Science	
	Hill, D. Meiling, T.T., Stufler, S., Löhmansröben, H.-G.	69
P13	Photochemical investigations of the interactions of annelated quinolizinium derivatives with abasic-sites in DNA	
	Benner, K., Ihmels, H.	70
P14	More Photons, Higher Sensitivity, Lower Artifacts, Higher Throughput – a Completely Computer-Controlled Laser Flash Photolysis Setup	
	Fehse, D., Goez, M.	71
P15	Structural investigations of Eu³⁺ doped CeO_{2-n} nanocrystals using fluorescence line-narrowing spectroscopy	
	Primus, P.-A., Kumke, M.U.	72
P16	Surface-Enhanced Raman Spectroscopy Using Gold Nanoparticles Arranged on DNA Origami Substrates	
	Bald, I., Prinz, J., Schreiber, B., Keller, A.	73
P17	Determination of brightness values of luminescent particles	
	Würth, C., Behnke, T., Hoffmann, K., Resch-Genger, U.	74
P18	Absolute photoluminescence quantum yield determination of near-infrared emissive quantum dots	
	Hatami, S., Leubner, S., Lesnyak, V., Gaponik, N., Würth, C., Grabolle M., Eychemüller, A., Resch-Genger, U.	75
P19	Role of spacer layer in localized surface plasmon resonance assisted random laser	
	Heydari, E., Stumpe, J.	76
P20	Gold nanoparticles: Plasmons and Excitons	
	Bomm, J., Stumpe, J.	77
P21	Synthesis, Characterization and Applications of Thermosensitive Gold QDs	
	Bomm, J., Stumpe, J.	78

- P22 **Influence of the Particle Size on the Optical Properties of Cer-doped Yttrium Aluminum Garnet (YAG:Ce)**
Kaiser, M., Wuerth, C., Resch-Genger, U., Vorshove, M., Felbeck, T., Kynast, U. 79
- P23 **Aggregation Phenomena of Host and Guest Upon the Loading of Dendritic Core-Multishell Nanoparticles with Solvatochromic Dyes**
Fleige, M., Ziem, B., Grabolle, M., Haag, R., Resch-Genger, U. 80
- P24 **Suitable Labels for Molecular Imaging – Influence of Dye Hydrophilicity on the Spectroscopic Properties of IgG Conjugates**
Pauli, J., Licha, K., Berkemeyer, J., Grabolle, M., Resch-Genger, U. 81
- P25 **Oligo(phenylenevinylene)s with Multiple Basic Sites: Optical Responses to Changes of the Environment**
Moschel, S., Schmitt, V., Detert, H. 82
- P26 **Photochromic properties of 1',3',3'-trimethyl-6-piperidino (indoline-2',3-3H-naphtho[2,1-b][1,4]-oxazine**
de Moraes, I.R., Schäfer, J., Dietzek, B. 83
- P27 **Mixed valence solids with micro- and nano-shaped crystals exhibiting salient photosensitivity**
Xhaxhiu, K., Korpa, A., Deiseroth, H.-J., Schmidt-Grund, R., Bente, K. 84
- P28 **Visible light-driven photooxidation of water at hybrid photoanodes**
Wang, L., Bledowski, M., Ramakrishnan, A., Khavryuchenko, O.V., Beranek, R. 85
- P29 **Enhanced degradation of 4-chlorophenol at surface-modified TiO₂ photocatalysts prepared *via* a visible-light photosynthetic route**
Neubert, S., Ramakrishnan, A., Mei, B., Wang, L., Bledowski, M., Strunk, J., Muhler, M., Beranek, R. 86
- P30 **Photocatalytic water reduction with ruthenium polypyridyl chromophores**
Staehle, R., Filipović, M., Losse, S., Vos, J.G., Ivanović-Burmazović, I., Rau, S. 87

-
- P31 **Scanning Electrochemical Microscopy: Investigation of Oxygen Evolution from Nanostructured Iron Oxide Films**
Bülter, H., Schmidt, I., Dosche, C., Wittstock, G., Mátéfi-Tempfli, S., Mátéfi-Tempfli, M., Denuault, G. 88
- P32 **Modified Carbon Nitrides for the Photocatalytic Hydrogen Evolution from Water**
Richter, D., Zaake-Hertling, H., Hey-Hawkins, E., Gläser, R. 89
- P33 **Photochemical Cobalt-Catalysed [2+2+2] Cycloaddition reactions: Small changes with big effects**
Kral, K., Hapke, M., Checinski, M. 90
- P34 **Cobalt- and photo-catalyzed [2+2+2] cycloaddition reactions**
Hapke, M., Fischer, F., Kral, K., Thiel, I., Jungk, P. 91
- P35 **Nanocomposite photocatalysts for enhanced hydrogen generation**
Soldat, J., Marschall, R., Wark, M. 92
- P36 **Conjugated Microporous Polymers for Heterogeneous Photocatalysis**
Zhang, K., Antonietti, M., Vilela, F. 93
- P37 **Identification of DNA Photoproducts – Formation of Isocyanates**
Rolf, J., Buschhaus, L., Kleinermanns, K. 94
- P38 **Excited-state properties in pH-switchable Ruthenium dyes**
Wächter, M., Bräutigam, M., Kupfer, S., Guthmüller, J., Popp, J., Rau, S., González, L., Dietzek, B. 95
- P39 **Novel molecular rod-constructs as probes for fluorescence applications**
Wessig, P., Techen, A., Kumke, M.U., Czapla, S., Möllnitz, K. 96
- P40 **A Potential Entry to Briarellins and Asbestinins by an [2+2] Photocycloaddition/Fragmentation-Approach**
Weixler, R., Bach, T. 97
- P41 **Enantioselective Catalytic Intramolecular [2+2] Photocycloaddition of 2-Quinolones**
Maturi, M.M., Bach, T. 98

- P42 **Enantioselective [2+2] Photocycloadditions Catalyzed by Chiral Oxazaborolidine Based Lewis Acids**
Brimioulle, R., Guo, H., Bach, T. 99
- P43 **Spectroscopic characterization of novel cell-penetrating peptide analogous for drug carrier applications**
Gehne, S., Sydow, K., Dathe, M., Kumke, M.U. 100
- P44 **Characterization of the Interactions between 3-Hydroxybenzo[a]pyrene and Monoclonal Antibodies using Fluorescence Line Narrowing Spectroscopy**
Klier, D., Eisold, U., Kumke, M.U. 101
- P45 **Quantum Optics and Photochemistry**
Vester, M., Finkler, B., Jung, G. 102
- P46 **Optical and Electrochemical Investigation of Trigonal Dendrimers Based on Triarylamines**
Zieschang, F., Lambert, C. 103
- P47 **Photochemically Generated Singlet Oxygen as Mechanistic Probe for the Interaction of Polyacenes**
Klaper, M., Linker, T. 104
- P48 **Controlling the Reactivity of Polyacenes Towards their Photooxidation**
Fudickar, W., Linker, T. 105
- P49 **Cyanine dyes – Are they still suitable for new fluorescent probes?**
Drewitz, A., Brauns, C., Gutmann, E., Reiner, K., Keil, D., Ernst, S., Senns, B., Mustroph, H. 106
- P50 **Photochemistry of Functional NIR-Photoinitiator Systems**
Brömme, T., Horst, J., Pinto, P.S., Strehmel, B. 107
- P51 **Teaching an old dog new tricks: Quantum state selective detection of molecular chlorine by high-resolution cavity ring-down spectroscopy**
Forsting, T., Maul, C. 108
- P52 **Laser Ionization of Aromatic Compounds at Atmospheric Pressure**
Brendler, C., Riebe, D., Ritschel, T., Beitz, T., Löhmannsröben, H.-G. 109

P53	Light induced effects in azobenzene-containing star-like liquid crystals	
	Tomczyk, J., Sobolewska, A., Stumpe, J.	110
P54	Talbot Imaging Phenomena on Polymer Particle Arrays	
	Görnitz, E., Stumpe, J.	111
P55	Photophysical Properties of Hydroxyacridizinium Ions: A Novel Class of Water-Soluble Photoacids	
	Schäfer, K., Ihmels, H., Bohne, C.	112
P56	DNA photoreacts by Norrish α-cleavage to Isocyanates	
	Buschhaus, L., Rolf, J., Kleinermanns, K.	113
P57	Photohysics of Protochlorophyllide a – a natural precursor in the biosynthesis of chlorophyll	
	Dietzek, B., Schmitt, M., Popp, J., Hermann, G.	114
P58	Holographic inscription of surface structures suitable for organic DFB lasers using light induced mass transport in an azobenzene containing material	
	Döring, S., Rabe, T., Rosenhauer, R., Rutloh, M., Stumpe, J.	115
P59	Photo-Crosslinking of Copolyimide Films with Maleimide as Crosslinker	
	Hunger, K., Buschhaus, L., Kleinermanns, K.	116
P60	Ab initio electronic wave packet dynamics and charge separation in organo-metallic molecules	
	Ramakrishnan, R., Raghunathan, S., Nest, M.	117
P61	Electron Transfer Dynamics from Meso-Tetrakis(p-Carboxyphenyl) Porphyrin into Colloidal TiO₂ and AuTiO₂ Nanoparticles	
	Renganathan, R., Kathiravan, A.	118
P62	Quantum chemical calculations and open-system density matrix simulations for self-assembled monolayers of molecular switches on surfaces	
	Utecht, M., Floss, G., Klamroth, T., Saalfrank, P.	119
P63	UV light induced hydrogen transfer in guanosine-guanosine aggregates	
	Braun, M., Hunger, K., Buschhaus, L., Kovalenko, S. A., Improta, R., Kleinermanns, K.	120

