

23rd Photochemistry Lecture Conference

Preliminary Program

Please check occasionally for (last minute) changes.

Monday

13:00 Opening remarks

Chair: M. Goez

13:10 "Fluorescent sensors and logic gates" A.P. de Silva

14:00 "Anion recognition in organic and aqueous media using artificial receptors" E. Kataev

14:20 "9-Arylbenzo[b]quinolizinium derivatives as multicolor chemosensors" H. Ihmels

14:40 "Flavin acts as a red light sensor in an animal-like cryptochrome" T. Kottke

15:00 "Absolute fluorometry in the life and material sciences: characterization of fluorescent particles and new quantum yield standards" U. Resch-Genger

15:20 "Quantum Dots as versatile biosensors for FRET-based multiplexed diagnostics" N. Hildebrandt

15:40 Coffee break

Chair: N.N.

16:10 "Optical chemical sensing and imaging" R. Meyer

17:00 "Photophysics of photoacids based on pyrene" C. Spies

17:20 "Strongly fluorescent switchable perylene-bisdiimide (PDI) host-guest complexes with cucurbit[8]uril in water" F. Biedermann

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

18:00 "Influence of donor-acceptor-distance on photoinduced PCET" O. Wenger

18:20 "Fluorescence dye dyads for single molecule superresolution microscopy" D. Wöll

19:00 Poster session and refreshments

Tuesday

Chair: N.N.

8:30	“Non-linear optics of porphyrins”	M. Senge
9:20	“Amplification of optical signals as result of molecular photoreactions by thermotropic self-organisation and phase separation”	J. Stumpe
9:40	“Structural control of photoinduced dynamics in 4H-imidazole ruthenium complexes”	M. Wächtler
10:00	“Photolithography and fueling of molecular rotors with singlet oxygen”	T. Linker
10:20	“Photoprocesses in chemical education”	M. Tausch
10:40	Coffee break	

Chair: N.N.

11:00	“Control of hydrogen bonding towards optical functionalization”	K.-I. Sakai
11:50	“Spectroscopic studies of a photocatalytic system for hydrogen generation”	A. Neubauer
12:10	“Novel artificial photosynthetic routes – two examples”	R. Beranek
12:30	“IR-Laser induced population transfer in NH ₃ – experimental test-scheme to prepare a chiral superposition state for the measurement of $\Delta_{\text{PV}}E$ between enantiomers of chiral molecules”	G. Seyfang
12:55	Photograph and lunch Break	

Chair: N.N.

14:00	“Photochemistry of organic compounds on ice and snow surfaces”	P. Klán
14:50	“Quantification of surface functional groups by spectroscopic methods”	A. Henning
15:10	“Unexpected facilitation of radical-anion photoionization by protonation”	M. Goez
15:30	“Solving an anomaly of the resonance Raman spectrum of β -carotene with Duschinsky rotation”	P. Saalfrank
15:50	Coffee break	

Chair: M. Goez

16:20	“Robust and sensitive FRET-systems involving Ru-complexes”	W. Bannwarth
17:10	Förster award lecture	J.C. Scaiano

18:00 Member meeting

20:00 Conference dinner

Wednesday

Chair: N.N.

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| 8:30 | “Covalent and non-covalent nanocomposites of graphene oxide and reduced graphene oxide with dye molecules” | A. Wojcik |
| 9:20 | “Design of functional NIR-photoinitiator systems for coating applications” | B. Strehmel |
| 9:40 | “Mechanism and reversibility of DNA compaction by photosensitive surfactants” | Y. Zakrevskyy |
| 10:00 | “Slow spin transitions in Iron(II) complexes: on the way to bistable spinisomers” | G. Hörner |
| 10:20 | “Magnetic field effects in chemistry: how does an external magnetic field influence a chemical reaction?” | G. Grampp |

10:40 Coffee break

Chair: H.-G. Löhmansröben

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| 11:00 | “Photochemical synthesis of the anti-malarial drug artemisinin in continuous flow” | D. Kopetzki |
| 11:50 | “New techniques for high-speed, high-resolution spectroscopy” | B. Schmidt |
| 12:40 | “Photoprotection of human skin” | B. Herzog |
| 13:30 | Concluding remarks | M. Goez |