Book of Abstracts

GDCh

Gesellschaft Deutscher Chemiker

Fachgruppe Photochemie

23rd Lecture Conference on Photochemistry

October 8 - 10, 2012
in Potsdam

Picture on cover page: Neues Palais, Potsdam

Contents

1 Organization

1.1 General Information

Scientific Committee

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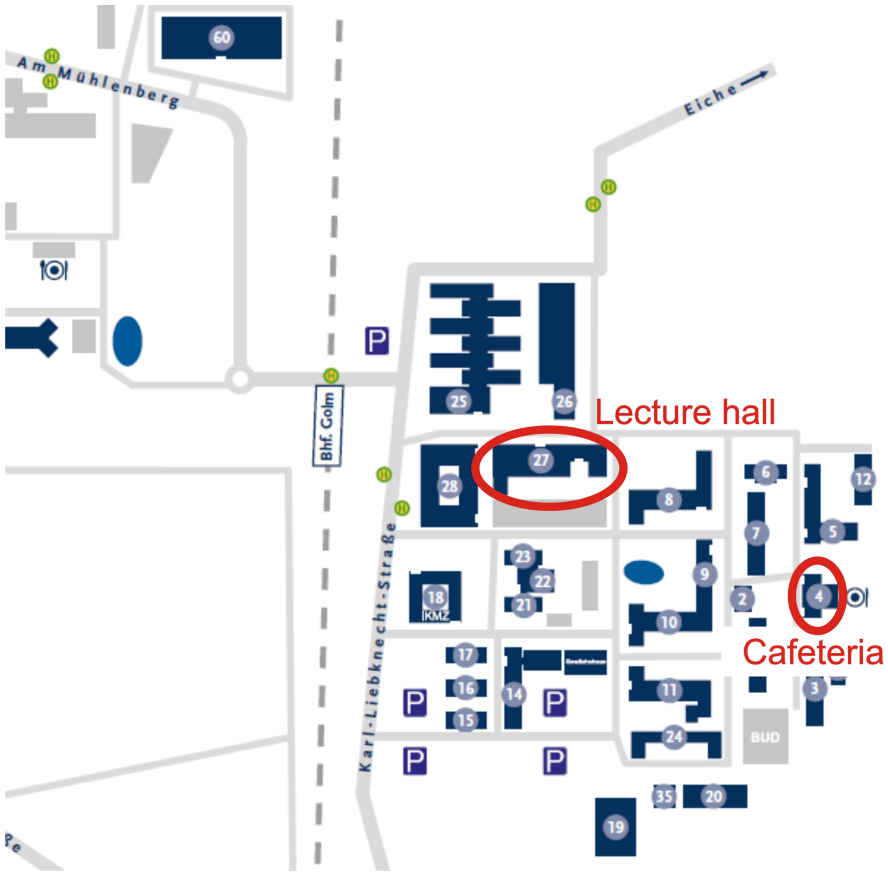
1.2 Travel Information

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

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14:20	"9-Arylbenzo[b]quinolizinium derivatives as multicolor chemosensors"	H. Ihmels	22
14:40	"Fluorescence dye dyads for single molecule superresolution 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		

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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
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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
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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 ß-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		

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8:30	"Covalent and non-covalent nanocomposites of graphene oxide and reduced graphene oxide with dye molecules"	A. Wojcik	48
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13:30	Concluding remarks	M. Goez	

4 List of Posters