

Photophysics of Synthetic and Biological Multichromophoric Systems

Scientific Program

<u>Bad Honnef, Thursday, July 11, 2019</u>		
before 12	Registration	
12:00	- Lunch -	
13:00	Registration	
14:00	Jürgen Köhler	<i>GRK summary</i>
14:55	Richard Cogdell (Uni Glasgow, UK)	<i>Purple Photosynthetic Bacterial Light harvesting: from dreams to single molecules</i>
15:40	- Coffee break -	
16:10	Ingo Schelter	<i>The power of first principles calculations: Watching LH2 energy transfer in real time</i>
16:35	Johannes Förster	<i>Electrostatics: Guiding Proteins to Complex Formation</i>
17:00	Jan Zoller	<i>Protons, Electrons, and States: A way to simulate charge transfer in proteins and other complex systems</i>
17:25	David Jones (Uni Melbourne, AU)	<i>Non-traditional singlet fission materials</i>
ab 18:30	- Dinner-	
<u>Bad Honnef, Friday, July, 12, 2019</u>		
9:00	Carsten Deibel (Uni Chemnitz, DE)	<i>Excited States in Organic Solar Cells</i>
9:45	Konstantin Schötz	<i>Controlling Backbone Conformation in Polythiophenes</i>

10:10	Hazem Bakr	<i>Film formation in blends of PCE11 polymer donor with perylene bisimide based acceptors</i>
10:35	- Coffee break -	
11:00	Gabriele Rainò (ETH Zurich, CH)	<i>Perovskite Nanocrystals as Non-Classical Light Sources: From Single Photon Emission to Superfluorescence</i>
11:45	Linn Leppert	<i>Dimensional reduction of halide perovskites: Insights from first principles calculations</i>
12:10	Raisa Biega	<i>Ab-initio calculations of surface defect migration in halide perovskites</i>
12:45	- Lunch -	
14:15	Jasper Knoester (Uni Groningen, NL)	<i>Optical spectroscopy and energy transport in molecular aggregates</i>
15:00	Lisa Günther	<i>Spectral and structural variations of individual chlorosomes</i>
15:25	Axel Bourdick	<i>Investigating the Role of Planarity and Torsional Freedom for Aggregation in Organic Semiconductor Materials with the Help of MD and DFT Simulations</i>
15:50	Patrick Beer	<i>Tracing single electrons in a disordered polymer host with a single probe molecule</i>
16:15	- Coffee break -	
16:40	Daniel Gómez (RMIT, AU)	<i>Plasmonic hot carriers</i>
17:25	Christian Schörner	<i>Visible light operation of a single-crystalline silver plasmonic nanocircuit</i>
17:50	Christoph Schnupfhagn	<i>First steps towards strong coupling between emitters and plasmonic lattices</i>
ab 18:30	- Dinner-	

Bad Honnef, Saturday, July 13, 2019		
9:00	Paul Mulvaney (Uni Melbourne, AU)	<i>Spectroscopy of Quantum Dots and Trions</i>
9:45	Julia Wollmann	<i>Conjugated polydialkylfluorenes with narrow molecular weight distribution and defined end groups</i>
10:10	Philip Schmode	<i>Hydrophilic Polythiophenes for Bioelectronics</i>
10:35	- Coffee break -	
11:00	Richard Hildner	<i>Single-molecule spectroscopy on thiophene-based conjugated polymers</i>
11:25	Sebastian Stäter	<i>Excited state properties of supramolecular Poly(3-hexylthiophene)-nanofibers</i>
11:50	Andreas Haedler	<i>Carbonyl-bridged triarylamine trisamides – Self-assembly, energy transfer and energy transport</i>
12:15	Bernd Wittmann	<i>Tailoring structural and electronic order in functional supramolecular nanofibres and bundles</i>
12:40	Closing remarks	
13:00	- Lunch –	

invited (40 +5)
 contributed (20 + 5)