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## Joint BIGS Chemistry & CGSC Summer School 2019 New Frontiers in Organic Electronics September 10-12, 2019

Venue: Lecture Hall, Institute for Physical and  
Theoretical Chemistry, Wegelerstr. 12, 53115 Bonn




**Tuesday, 10 September 2019**

- 9:00 **Seth Marder:** Molecular Redox Dopants for Organic Semiconductors and Interface Modification: Basic Concepts and Development of Dopants
- 10:00 **Rebecca Isenberg:** Radical Cation Salts and Charge Transfer Compounds of N-Methylpyridoneazine and its Derivatives
- 10:20 **Tobias Unruh:** Molecular dynamics of  $\text{Co}(\text{acac})_2(\text{py})(\text{N}_3)$  from time-resolved spectroscopies on femtoseconds-to-minutes time scales
- 10:40 *Coffee break*
- 11:10 **Anne Schnell:** Mechanistic studies of L-proline-catalyzed Diels-Alder reactions of unsaturated aldehydes with mass spectrometry
- 11:30 **Philipp Brehm:** TEMPO-substituted Phosphane Iron(0) Complexes: Transient Phosphanoxy Complexes?
- 11:50 **Florian Bolz:** Synthesis, Tailoring and Application of Visible Light Switchable Dithienylethenderivatives in Programmable Organic Light-Emitting-Diodes (OLEDs)
- 12:30 *Lunch at Campo*
- 14:30 **Seth Marder:** Molecular Redox Dopants for Organic Semiconductors and Interface Modification: Application of Dopants to Semiconductors and Interfaces
- 15:30 **Christine Wübben:** Conformational changes in the guanidine-II riboswitch observed with PELDOR
- 15:50 **Hendrik Weißbarth:** Merging Regiodivergent Catalysis with Atom-Economical Radical Arylation
- 16:10 *Coffee break*
- 16:40 **Sebastian Hütgens:** Rotaxane-like Metallosupramolecular Cage-in-Ring Aggregates
- 17:00 **Anna Krönert:** Synthesis of new molecular spacer molecules for adsorption on solid surfaces
- 18:00 *Dinner at Restaurant Pauke, Endenicher Str. 43, 53115 Bonn*

**Wednesday, 11 September 2019**

- 9:00 **Peter Grütter:** Introduction to AFM: how to measure structure and properties at the nanoscale
- 10:00 **Sabine Kuhlmeier:** Planar Chiral [2.2]Paracyclophane-Based Iodonium Complexes
- 10:20 **Daniel Grabowski:** Synthesis and photochemical studies of highly strained anthracene bicyclophanes
- 10:40 *Coffee break*
- 11:10 **Jennifer Zablocki:** Impact of Side Chain Functionalization on the Giant Excitonic Circular Dichroism in Homochiral Prolinol-Derived Squaraine Thin Films
- 11:30 **Claudia Dillmann:** Development of a Circularly Polarized OLED (CP-OLED)
- 11:50 **Jan Ruland:** Intranuclear dynamics and export of the 60S ribosomal subunit
- 12:30 *Lunch at Campo*
- 14:30 **Peter Grütter:** AFM in liquids: hydration layers, electrochemistry and manipulating neurons
- 15:30 **Joshua Bahr:** Self-assembled monolayers of shape-persistent macrocycles on graphite: Coadsorption with fullerene derivatives
- 15:50 **Lukas Wingen:** Synthesis of Novel Lipid I and Lipid II analogs
- 16:10 *Coffee break*
- 16:40 **Kavita Singh Ghotra:** Light-Emitting Organic Memories with a DTE Transduction Layer
- 17:00 **Laura zur Horst:** All-phenylene molecular spoked wheels
- 17:30 Poster session, beer and pretzels

**Thursday, 12 September 2019**

- 9:00 **Arne Lützen:** Optoelectronic properties of pi-conjugated oligomers - from nanofibers to devices
- 10:00 **Meike Körbitzer:** Analysis of Guest Materials in Hole Transport Layers used in Optoelectronic Devices via Mass Spectrometry
- 10:20 **Daniel Unger:** New covalent and non-covalent fullerene adsorbates
- 10:40 *Coffee break*
- 11:10 **Hanna Marie Reuter-Schniete:** Towards the first Total Synthesis of Bacillaene
- 11:30 **William J. Pappas:** Spatially Correlated Magnetic Field Effects in Organic Light-Emitting Diodes
- 11:50 **Leonard Maurer:** Tetrylidyne Complexes in the Gas Phase: Synergy of Mass Spectrometry and Computational Chemistry
- 12:10 Closing Remarks