

Program

Sunday, February 10

- ~ 10:00 a.m. departure from Erlangen, Nikolaus-Fiebiger-Str. 10
 - ~ 3:00 p.m. arrival in Kirchberg, check-in

 - 4:00 p.m. Coffee and Welcome Reception

 - 4:45 p.m. Opening Ceremony
 - 4:50 p.m. Session I; Chair: Norbert Jux

 - 4:50 p.m. **Matthias Lexow** (Steinrück)
Molecular Exchange at the Interfaces of Ultrathin Ionic Liquid Films
 - 5:15 p.m. **Max Martin** (Jux)
Porphyrin Based Carbon Rich Architectures
 - 5:40 p.m. **Simon Bönisch** (Görling)
*Reaction Profiles and Optical Properties of Novel Products
Obtained via Organocatalysed Multi-Step Processes*

 - 6:05 p.m. Dinner
 - 8:00 p.m. Session II; Chair: Andreas Hirsch

 - 8:00 p.m. **Carolyn Dusold** (Hirsch)
Rylene-Hexa-peri-hexabenzocoronenes Dyads
 - 8:25 p.m. **Nina Hegmann** (Heinrich)
*General Method for the Synthesis of Medium-Sized Lactams
via Ring-Closing-Metathesis*
 - 8:50 p.m. **Anton Guryev** (Tsogoeva)
*Direct Metal-Free C-H Photooxidation of Cyclic Tertiary
Amines Towards New Antiviral d-Lactams*
 - 9:15 p.m. **Bastian Rösch** (Harder)
Powerful nucleophilic strontium hydride and alkyl complexes
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GSMS Winter School, Kirchberg/Tirol, February 10 – February 15, 2019

Monday, February 11

- 9:00 a.m. Breakfast
9:00 a.m. - Ph. D. students: project-oriented group work
Professors: Status quo report and discussion on GSMS status; new funding
- 2:30 p.m. Session III; Chair: Rainer Fink
- 2:30 p.m. **Christian Ott** (Weber)
Electroluminescence of graphene nanojunctions
- 2:55 p.m. **Peter Schol** (Guldi)
Optimization and Characterization of n- and p-type DSSCs
- 3:20 p.m. **Jan Kuliga** (Marbach)
Metalation and coordination reactions of 2H-meso-trans-di(p-cyanophenyl)-porphyrin on Ag(111) with coadsorbed cobalt atoms
- 3:45 p.m. Coffee break
4:00 p.m. Session IV; Chair: Bernd Meyer
- 4:00 p.m. **Lukas Fromm** (Görling)
Density Functional Investigation of Cobaltoxide Surfaces
- 4:25 p.m. **Pascal Gazetas** (Jux)
Tetrabenzoporphyrin-Superbenzene Frameworks
- 4:50 p.m. **Alexander Friedrich** (Harder)
Molecule Activation with Highly Lewis Acidic Cationic Mg Complexes
- 5:15 p.m. **Corinna Weiß** (Hirsch)
Coronohelices-A Fusion between planar Coronenes and Helicenes
- 5:40 p.m. **Stefan Wild** (Hirsch)
Bulk Reductive Covalent Functionalization of Black Phosphorous
- 6:05 p.m. Dinner
8:00 p.m. Workshop and discussion
- 8:00 p.m. – open end Workshop “Konfliktmanagement”
Chair: Carmen Pospisil
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Tuesday, February 12

- 9:00 a.m. Breakfast
 - 9:00 a.m. - Ph. D. students: project-oriented group work
Professors: Status quo report and discussion on GSMS status; new funding
 - 2:30 p.m. Session V; Chair: Konstantin Amsharov
 - 2:30 p.m. **Johannes Träg** (Zahn)
Application of MD Simulations for the Interpretation of Optical Properties
 - 2:55 p.m. **Lisa-Marie Altmann** (Heinrich)
Radical aryl-aryl coupling reactions and their application in medicinal chemistry
 - 3:20 p.m. **Tobias Luchs** (Hirsch)
Designing Nanohybrids for Applications in Energy and Environmental Science
 - 3:45 p.m. Coffee break
 - 4:00 p.m. Session VI; Chair: Andriy Mokhir
 - 4:00 p.m. **Rebecca Guldi** (Jux)
HBC-based Helicenes
 - 4:25 p.m. **Michael Wiesinger** (Harder)
Simple Access to Soluble Alkaline Earth Metal Hydrides
 - 4:50 p.m. **Jan Joseph** (Guldi)
Synergy of Electrostatic and π - π Interactions in the Realization of Nanoscale Artificial Photosynthetic Model Systems
 - 5:15 p.m. **Dominik Blaumeiser** (Libuda)
Operando DRIFTS studies of GaPt SCALMS and principles of a PM-IRAS setup
 - 5:40 p.m. **Sandra Miguez-Lago** (Kivala)
Keto-bridged triarylamines: A story about nanographenes and thin films
 - 6:05 p.m. Dinner
 - 8:00 p.m. Session VII; Chair: Dirk Guldi
 - 8:00 p.m. **Philipp Stegner** (Harder)
Calcium in Asymmetric Hydroamination
 - 8:25 p.m. **Anja Krieger** (Gröhn)
Self-Assembled Photoactive Organic-Inorganic Hybrid Materials
 - 8:50 p.m. **Tobias Ullrich** (Guldi)
Diradicaloids derived from Cyclic (Alkyl)(amino)carbenes – New Building Blocks for Singlet Fission?
 - 9:15 p.m. **Rebecca Kleeberger** (Burzlaff)
Carbon Chemistry by Organometallics
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GSMS Winter School, Kirchberg/Tirol, February 10 – February 15, 2019

Wednesday, February 13

- 9:00 a.m. Breakfast
 - 9:00 a.m. - Ph. D. students: project-oriented group work
Professors: Status quo report and discussion on GSMS status; new funding
 - 2:30 a.m. Project sessions; Chairs: Markus Heinrich
 - 2:30 p.m. **Marcel Krug, Wiebke Alex, Peter Schol, Lukas Fromm**
Title
 - 3:00 p.m. **Rebecca Kleeberger, Sven Maisel, Florian Wullschläger, Max Martin**
Title
 - 3:30 p.m. **Marco Sarcletti, Christian Ott, Tobias Luchs, Isabell Wabra**
Title
 - 4:00 p.m. **Wintana Tzegai, Michaela Dobeneck, Vicent Lloret, Johannes Nebauer**
Title
 - 4:30 p.m. Coffee break
 - 4:45 p.m. Session VIII; Chair: Sjoerd Harder
 - 4:45 p.m. **Vladimir Akhmetov** (Amsharov)
Synthesis of buckybowls via multi-assemblies on aluminum oxide
 - 5:10 p.m. **Oliver Fischer** (Heinrich)
Biphenyl carbamates as selective M3 muscarinic acetylcholine receptor antagonists
 - 5:35 p.m. Meeting of GSMS and ICMM members; evaluation of the projects
 - ~6:00 p.m. Take-off for conference dinner
 - ~7:00 p.m. Conference dinner and award ceremony in Obergaisberghütte
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GSMS Winter School, Kirchberg/Tirol, February 10 – February 15, 2019

Thursday, February 14

- 9:00 a.m. Breakfast
9:00 a.m. - Ph. D. students: project-oriented group work
Professors: Status quo report and discussion on GSMS status; new funding
- 2:30 p.m. Session IX; Chair: Frank Hauke
- 2:30 p.m. **Marco Sarcletti** (Halik)
Functionalized Magnetite Nanoparticles - An efficient Sorbent for small and large Water Contaminants
- 2:55 p.m. **Kilian Schöll** (Jux)
Superpyridine: An N-heterocyclic hexa-peri-hexabenzocoronene
- 3:20 p.m. **Dominik Thiel** (Guldi)
Singlet Fission beyond Pentacenes - Photophysical Characterization of Diazaacene-Dimers
- 3:45 p.m. Coffee break
4:00 p.m. Session X; Chair: Marcus Halik
- 4:00 p.m. **Nina Diesendorf** (Heinrich)
Stereoselective Meerwein Arylation
- 4:25 p.m. **Steffen Brand** (Harder)
Heterobimetallic activation of aromatic solvents
- 4:50 p.m. **Florian Fischer** (Tsogoeva)
Novel Organocatalyzed Three-Step Domino Reaction Towards Tetrahydroquinazoline-Thiohydantion Fused Heterocycles
- 5:15 p.m. **Julia Köbl** (Steinrück)
Phenylphosphonic Acid on TiO₂(110)
- 5:40 p.m. **Bahanur Becit** (Zahn)
Formation Pathways of bulk mesoporous silica nanoparticles by mimicking coarse-grain molecular modelling
- 6:05 p.m. Dinner
8:00 p.m. Session XI; Chair: Andreas Hirsch
- 8:00 p.m. **Michael Ruppel** (Jux)
Tetrabenzoporphyrins as Precursors Towards Porphyrin-Nanographene Conjugates
- 8:25 p.m. **Benedikt Grau** (Tsogoeva)
'Facile Access to Highly Substituted o-Terphenyls via Merging Two Multi-Step Domino Reactions in One-Pot
- 8:50 p.m. **Katharina Thum** (Harder)
Alkene Transfer Hydrogenation with Simple Alkaline Earth
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GSMS Winter School, Kirchberg/Tirol, February 10 – February 15, 2019

Friday, February 15

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| - 9:00 a.m. | Breakfast and check-out |
| 9:00 a.m. | Session XI; Chair: Norbert Jux |
| 9:00 a.m. | Maria-Eugenia Perez-Ojeda (Guest Lecturer)
<i>Carbon cages: Fullerenes, nanoonions and cyclophanes</i> |
| 10:30 a.m. | check-out (if not done yet) |
| ~ 11:00 a.m. | departure from Kirchberg/Tirol |
| ~ 5:00 p.m. | arrival in Erlangen, Nikolaus-Fiebiger-Str. 10. |

Please note: The arrival time in Erlangen strongly depends on weather conditions, traffic and controls at the austrian/german border.