

Program

(The program is subject to changes!)

Sunday, February 12

- ~ 10:00 a.m. departure from Erlangen, Henkestr. 42
~ 3:00 p.m. arrival in Kirchberg, check-in
- 4:00 p.m. Coffee and Welcome Reception
- 4:50 p.m. Opening Ceremony
5:00 p.m. Session I; Chair: Norbert Jux
- 5:00 p.m. **Tabea Fritsch** (Schatz)
Olefin metathesis in water
- 5:25 p.m. **Tao Xu** (Libuda)
Structure-dependent Anchoring of Organic Molecules to Atomically defined Oxide Surfaces: Phthalic Acid on $\text{Co}_3\text{O}_4(111)$, $\text{CoO}(100)$, and $\text{CoO}(111)$
- 5:50 p.m. **Tobias Luchs** (Hirsch)
Entrapment of water contaminants with supramolecular nanocarriers
- 6:15 p.m. Dinner
8:00 p.m. Session II; Chair: Andreas Hirsch
- 8:00 p.m. **Sebastian Gsänger** (Meyer)
Mechanically interlocked SWCNTs
- 8:25 p.m. **Marco Sarcletti** (Halik)
The Potential of functionalized Magnetite Particles for the Removal of Oil Contaminants from Water
- 8:50 p.m. **Nina Hegmann** (Heinrich)
Radical cascade reactions for the synthesis of polycyclic systems
- 9:15 p.m. **Oleg Borodin** (Mokhir)
Optimization of red-light induced activation of “caged” siRNA
-

Monday, 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 p.m. Session III; Chair: Rainer Fink
- 2:30 p.m. **Johannes Ascherl** (Kivala)
Synthesis and functionalization of novel phosphorus-containing hydrocarbons as potential building blocks in organic electronics
- 2:55 p.m. **Julia Köbl** (Marbach)
2HTPP on TiO₂(110) – 1 x1 and Pt(111)
- 3:20 p.m. **Tony Fröhlich** (Tsogoeva)
Easily accessible artemisinin-based hybrids: Novel potent anti-cancer, anti-viral and anti-malaria agents
- 3:45 p.m. Coffee break
- 4:00 p.m. Session IV; Chair: Andriy Mokhir
- 4:00 p.m. **Simon Bönisch** (Görling)
DFT studies on the influence of dispersion interactions on novel organocatalyzed domino reactions
- 4:25 p.m. **Dominik Hasenöhr** (Hirsch)
Supramolecular Functionalization of gold nanoparticles
- 4:50 p.m. **Matthias Lexow** (Steinrück)
Interfaces of Ionic Liquid Systems
- 5:15 p.m. **Alexandra Roth** (Guldi)
Ground and excited state interactions between heptamethine cyanine and graphene within a hybrid system
- 5:40 p.m. **Lena Kersting** (Tsogoeva)
Organocatalytic One-Pot Multi-Step Synthesis of Spiroindanes
- 6:05 p.m. Dinner
- 8:00 p.m. Session V; Chair: Hans-Peter Steinrück
- 8:00 p.m. **Alexander Friedrich** (ICMM Harder)
Cationic Aluminium and Magnesium Complexes in Frustrated Lewis Pair Chemistry
- 8:25 p.m. **Olena Papaianina** (Amsharov)
Facile synthesis of functional buckybowls via C-F bond activation
- 8:50 p.m. **Felix Ammon** (ICMM, Jux)
Synthesis of π -extended pyrroles and BODIPYs

GSMS Winter School, Kirchberg/Tirol, February 12 – February 17, 2017**Tuesday, 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 VI; Chair: Konstantin Amsharov
- 2:30 p.m. **Philipp Haines** (ICMM, Guldi)
*Photophysical characterization and charge-transfer studies on Hexa-*peri*-hexabenzocoronene*
- 2:55 p.m. **Corinna Weiß** (Hirsch)
Synthesis and Characterization of Novel Perylene Dyes: Towards a Coronene Diimide Amphiphile
- 3:20 p.m. **Michael Lepper** (Marbach)
Tuning the self-metalation rate of tetraphenylporphyrins via cyano functionalization
- 3:45 p.m. Coffee break
4:00 p.m. Session VII; Chair: Bernd Meyer
- 4:00 p.m. **Philipp Stegner** (Harder)
Chiral Calcium Catalyzed Hydroamination
- 4:25 p.m. **Bastian Gothe** (Halik)
From Fullerenes to Fluorenes: Structure-Property Relationships in Semiconducting Monolayers
- 4:50 p.m. **Peter München** (Guldi)
Individualization and Doping of Single Wall Carbon Nanotubes
- 5:15 p.m. **Helen Hölzel** (ICMM, Jux)
On the way to HAB/HBC-bridged porphyrin-fullerene conjugates
- 5:40 p.m. **Katerina Maxouti** (ICMM, Hirsch)
A Novel Strategy Towards the Regioselective Synthesis of Multiple Adducts of Fullerene C₆₀
- 6:05 p.m. Dinner
8:00 p.m. Session VIII; Chair: Sjoerd Harder
- 8:00 p.m. **Hannah Schlott** (B. Meyer)
Experimental and Theoretical Assessment of Ni-Based Binary Compounds for the Hydrogen Evolution Reaction
- 8:25 p.m. **Cornelius Weiss** (ICMM, Hirsch)
Synthesis of new norbornadiene derivatives
- 8:50 p.m. **Dominik Thiel** (ICMM, Guldi)
Singlet Fission - The Role of Cofacial Stacking
- 9:15 p.m. **Vera Warmbrunn** (Drewello)
Ag⁺ adducts with polyyynes and helicenes: Investigation with mass spectrometry and density-functional theory
-

Wednesday, February 15

- 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: Nicolai Burzlaff / Svetlana Tsogoeva

Please note: The correct project titles will be made public on Thursday afternoon.

- 2:30 p.m. **Dominik Hasenöhrl, Marco Sarcletti, Christian Ott und Tobias Luchs**
Freude schöner Götterfunken
- 3:00 p.m. **Dominik Thiel, Stefan Wild, Alexander Friedrich, Jan Joseph**
Tochter aus Elysium
- 3:30 p.m. **Christian Henkel, Ramandeep Kaur, Ilias Papadopoulos, Johannes Träg**
Wir betreten feuertrunken
- 4:00 p.m. Coffee break
- 4:15 p.m. Project session II; Chairs: Max von Delius/Nicolai Burzlaff
- 4:15 p.m. **David Reger, Gina Zeh, Tobias Bachmann, Philipp Haines**
Himmlische
- 4:45 p.m. **Max Martin, Helen Hölzel, Cornelius Weiß, Simon Bönisch**
Dein Heiligtum
- 5:15 p.m. Meeting of GSMS and ICMM members; evaluation of the projects
- 6:00 p.m. Take-off for conference dinner
- ~7:30 p.m. Conference dinner and award ceremony in Gaisberghütte

Thursday, February 16

- 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: Sabine Maier
- 2:30 p.m. **Carolyn Dusold** (Hirsch)
Synthesis and Characterisation of a novel Naphthalene-Phthalocyanine Derivative
- 2:55 p.m. **Simon Scheiner** (Weber)
Surface functionalization for organic-inorganic hybrid assemblies
- 3:20 p.m. **Josefa Hofmann** (Heinrich)
Aryl-aryl coupling reactions and application in medicinal chemistry
- 3:45 p.m. Coffee break
 4:00 p.m. Session X; Chair: Marcus Halik
- 4:00 p.m. **Ann-Kristin Steiner** (Amsharov)
Synthesis of Carbon-Based Nanostructures by Regioselective Oligophenylene Zipping
- 4:25 p.m. **Johannes Zirzmeier** (Guldi)
Singlet Fission in Pentacene Dimers – En Route Towards a Unified Model for Singlet Fission
- 4:50 p.m. **Miriam Hauschild** (Kivala)
From Pentacenes to Diazapentacenes - Does Nitrogen Matter
- 5:15 p.m. **Katharina Thum** (Harder)
Alkaline Earth Metal Siloxide Clusters
- 5:40 p.m. **Lisa Stiegler** (Hirsch)
Reversible colloidal dispersibility of stable phosphonic acid-functionalized metal oxide nanoparticles in fluorocarbons, hydrocarbons, and water
- 6:00 p.m. Dinner
 8:00 p.m. Session VIII; Chair: Dirk Guldi
- 8:00 p.m. **Max Martin** (Jux)
Porphyrin Hexabenzocoronene Conjugates
- 8:25 p.m. **Jan Joseph** ICMM, Guldi)
Supramolecular Electron Transfer Systems
- 8:50 p.m. **Bastian Rösch** (ICMM, Harder)
Dianionic Beta-Diketiminato and Amidinate Complexes of Group Two Metals as Catalysts for Hydrogenation
- 9:15 p.m. **Dominik Grau** (Tsogoeva)
Novel organocatalytic one-pot sequences and domino processes towards bioactive heterocycles
-

Friday, February 17

- 9:00 a.m. Breakfast and check-out
9:00 a.m. Session XI; Chair: Franziska Gröhn
- 9:00 p.m. **Lukas Fromm** (ICMM Görling)
Density-Functional investigation of norbornadiene/quadracyclane adsorbance on a silver-modified Pt(111) surface
- 9:25 p.m. **Steffen Brand** (ICMM, Harder)
Small Molecule Activation with Magnesium Anilido Imine Systems and Phosphine Bases
- 9:55 p.m. **Stefan Wild** (Hirsch)
Black Phosphorus: Exfoliation, Oxidation and Passivation
- 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, Henkestr. 42

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