

Schedule 16th International Seminar of PhD Students on Organometallic and Coordination Chemistry

Saturday, 17.10.2015

15:00 – 16:50 Registration

16:50 – 17:00 Welcome

Session Chair: Isabell Kenkel

17:00 Stephan Pflock (Group Burzlaff, FAU Erlangen-Nürnberg)
Transition Metal Complexes bearing Bis(pyrazolyl)aceto ligands

17:20 Maximilian Dürr (Group Ivanović-Burmazović, FAU Erlangen-Nürnberg)
Cryo-ESI-MS: A Helpful Tool for Mechanistic Investigation of Small Molecule Activation

17:40 Julia Stuber (Group Ivanović-Burmazović, FAU Erlangen-Nürnberg)
Reversible CO₂ Binding for Its Fixation and Sensoring

18:00 Jakub Szyling (Group Walkowiak, UAM Poznan)
Synthesis of borylsubstituted ethenes and butadienes in conventional or neoteric solvents and their application in deborylative processes

18:20 Anna Wojewódzka (Group Lewiński, Warsaw University of Technology)
Alkylzinc complexes stabilized by carboxylate ligand: synthesis, structure and reactivity

18:40 Registration

19:00 Welcome Reception

Sunday, 17.10.2015

07:30 – 08:30 Breakfast

Session Chair: Mario Schleep

08:30 Magdalena Grzelak (Group Marciniak, UAM Poznan)
Highly Stereo-controlled Synthesis of New Conjugated Styryl-Carbazole Silicon Derivatives

08:50 Arthur Martens (Group Krossing, University of Freiburg)
The Janus-headed Lewis acid $\text{Me}_3\text{Si-X-Al}(\text{OR}^F)_3$

09:10 Martin Hejda (Group Dostál, University of Pardubice)
Isolation of the unprecedented 5-membered annulated ring containing the B-N moiety: 1H-2,1-benzazaborolyl alkali metal salts, reactivity with electrophiles, redox behaviour and an evidence for related 1H-2,1-benzazaborolyl radical

09:30 Andrea Causero (Group Harder, FAU Erlangen-Nürnberg)
Soluble Calcium Hydride Complexes

09:50 Catherine Hermans (Group Okuda, RWTH Aachen)
Ferrocene-OSSO complexes: synthesis, lactide polymerization and redox-switchable catalysis

10:10 Xiujun Yu (Group Terfort, University of Frankfurt)
Liquid phase epitaxial growth of a flexible $[\text{M}_2\text{L}_2\text{P}]$ SURMOF: temperature dependent pore orientation for selective VOCs adsorption

10:30 – 10:50 Coffee Break

Session Chair: Jakub Szyling

10:50 Isabell Kenkel (Group Ivanović-Burmazović, FAU Erlangen-Nürnberg)
 $\text{Mn}(\text{Hptp}1)$: Superoxide Dismutase Activity vs. Superoxide Production

11:10 Mateusz Urban (Group Luliński, Warsaw University of Technology)
Diarylborinic salicylideneimine complexes as efficient fluorescence dyes – synthesis and investigation

11:30 Rafał Januszewski (Group Marciniak, UAM Poznan)
Synthesis and flame retardant properties of hybrid materials based on polysiloxanes containing phosphate and phosphazene groups

11:50 Jakub Jurkowski (Group Pietrzykowski, Warsaw University of Technology)
Stabilized $\alpha\text{-AlH}_3$ and Chiral Aluminum Hydride Complexes: Preparation, Characterization and Applications

12:10 Benedikt Kappelt (Group Uhl, WWU Münster)
Synthesis and reactivity of a Si-centered Al,N-based Lewis Pair

12:30 – 14:00 Lunch

Session Chair: Sylwia Ostrowska

- 14:00 Kinga Stefanowska (Group Walkowiak, UAM Poznan)
Selective synthesis of new alkenyl-substituted silsesquioxanes and spherosilicates by hydrosilylation of alkynes in conventional or non-conventional media
- 14:20 Philipp Kitschke (Group Mehring, TU Chemnitz)
Intramolecular C-O insertion of a novel germylene
- 14:40 Isabel Klopsch (Group Schneider, University of Göttingen)
N₂-splitting and functionalization in the coordination sphere of rhenium
- 15:00 Felix Koch (Group Berkefeld, University of Tübingen)
Binuclear complexes of Ni(I) from 4-terphenyldithiophenol

15:20 – 16:00 Coffee Break

Session Chair: Martin Hejda

- 16:00 Szymon Komorski (Group Lewiński, Warsaw University of Technology)
Synthesis and structure of alkylzinc pyrazolates: influence of steric and solvent effects
- 16:20 Agata Włodarska (Group Pietrzykowski, Warsaw University of Technology)
Synthesis, characterization and catalytic activity of nickel NHC complexes
- 16:40 Lara Elisa Lemmerz (Group Okuda, RWTH Aachen)
Zinc and magnesium silyl complexes as precursors for zinc and magnesium hydrides
- 17:00 Maciej Zaranek (Group Pawluć, UAM Poznan)
Catalytic acylation of vinylsilanes – an access to α,β -unsaturated ketones
- 17:20 Janine Jeschke (Group Lang, TU Chemnitz)
Novel Ruthenium Catalysts for the Selective Markovnikov Addition of Carboxylic Acids to Alkynes
- 17:40 Miroslav Novák (Group Jambor, University of Pardubice)
Hydrosilylation Induced by N→Si Intramolecular Coordination
- 18:00 Susanne Spörler (Group Burzlaff, FAU Erlangen-Nürnberg)
Carbon rich ruthenium allenylidene complexes

18:20 Dinner / Group Leader Meeting

Monday, 19.10.2015

07:30 – 08:30 Breakfast

Session Chair: Agata Włodarska

- 08:30 Oluseun Akintola (Group Plass, FSU Jena)
Structural Diversity of three Co(II) Coordination Polymers based on a 4,4',4''-nitrotribenzoic acid ligand
- 08:50 Jiří Böserle (Group Dostal, University of Pardubice)
Activation of Inorganic and Organic molecules by a Germylene Stabilized by a Boroguanidinate ligand
- 09:10 Sylwia Ostrowska (Group Pietraszuk, UAM Poznan)
New N-heterocyclic carbene palladium complexes and their catalytic activity
- 09:30 Dominik Bykowski (Group Sobota, University of Wrocław)
Chemical Recycling of Poly(L-Lactic Acid) into Alkyl Lactates by Alcoholysis
- 09:50 Kai Helmdach (Group Seidel, University of Rostock)
NO-Splitting by a cationic W-P,P'-Alkyne Complex
- 10:10 Niklas Wienkenhöver (Group Filippou, University of Bonn)
A novel acyclic silylene

10:30 – 10:50 Coffee Break

Session Chair: Cathrin Zeppek

- 10:50 Iva Vránová (Group Dostal, University of Pardubice)
Preparation of Stibinidenes and Bismuthinidenes and Their Use as Ligands for TM
- 11:10 Julia Fritzsche (Group Volkmer, University of Augsburg)
CFA-4: Synthesis and characterisation of a novel fluorinated Metal-Organic Framework
- 11:30 Michal Leszczynski (Group Lewiński, Polish Academy of Sciences)
Application of organometallic precursors in the synthesis of ZnO nanostructures with controlled morphology
- 11:50 Michél Liebscher (Group Siemeling, University of Kassel)
Coordination Chemistry of 1,1'-Diphosphaferrocenes with Gold
- 12:10 Martin Mlateček (Group Erben, University of Pardubice)
Coordination behaviour of phenyl-tris(1,2,4-diazafosfolyl)-borate ligand

12:30 – 14:00 Lunch

Session Chair: Philipp Kitschke

- 14:00 Thomas Hafner (Group Uhlig, TU Graz)
Investigation and synthesis of functionalized ferrocenyl containing siloxane chains
- 14:20 Ondřej Mrózek (Group Vinklárek, University of Pardubice)
Cyclopentadienyl molybdenum compounds with intramolecular coordination
- 14:40 Jan Oetzel (Group Siemeling, University of Kassel)
Ferrocene-based N-Heterocyclic Tetrylenes
- 15:00 Roman Pacholski (Group Buchalski, Warsaw University of Technology)
Basicity of 9-nickelafluorenyl anion

15:20 – 16:00 Coffee Break

Session Chair: Miroslav Novák

- 16:00 Tomasz Pietrzak (Group Lewiński, Polish Academy of Sciences)
Chemistry of alkylmagnesium peroxides revisited
- 16:20 Cathrin Zeppek (Group Uhlig, TU Graz)
Aryl Decorated Sn Nanoparticles from Aryltin Trihydrides
- 16:40 Kira Willeke (Group Uhl, WWU Münster)
Synthesis and reactivity of hydrometallated alkenyl-silanes
- 17:00 Rhett Kempe (University of Bayreuth)
Catalysts for a more sustainable chemistry

18:30 Conference Dinner

Tuesday, 20.10.2015

07:30 – 08:30 Breakfast

Session Chair: Martin Mlateček

- 08:30 Sebastian Spirkel (Group Volkmer, University of Augsburg)
Fe-CFA-6 – a microporous coordination polymer featuring interesting photophysical properties
- 08:50 Matthias Willeke (Group Uhl, WWU Münster)
Significant differences in the reactivity of Al-N and Ga-N based active LEWIS pairs for bifunctional activation
- 09:10 Tomáš Řičica (Group Jambor, University of Pardubice)
Reactivity of N→Ga Coordinated Organogallium compounds

09:30 Stefan Schinkel (Group Plass, FSU Jena)
Heterodinuclear Complexes with Unsymmetrical Resorcin-Based Ligands: Synthesis, Characterisation and Catalytic Activity

09:50 Marleen Mayer (Group Burzlaff, FAU Erlangen-Nürnberg)
Chelating Ligands suitable as PHD Inhibitors

10:10 Jan Vrána (Group Dostal, University of Pardubice)
Bis(amino)phosphanes and Their Use as Ligands for 1st and 14th Group Elements

10:30 – 10:50 Coffee Break

Session Chair: Isabel Klopsch

10:50 Michał Terlecki (Group Lewiński, Warsaw University of Technology)
Synthesis and reactivity of the alkylzinc amidinates

11:10 Mario Schleep (Group Krossing, University of Freiburg)
A new tin(II) alkoxide and a weakly coordinated [SnCp]⁺

11:30 Krzysztof Durka (Warsaw University of Technology)
“Boracyclic compounds – emerging class of heterocycles – synthesis and applications”

12:00 Martin Lamač (Czech Academy of Sciences)
Group 4 Metal Complexes with Functionalized Cyclopentadienyl Ligands

12:30 – 13:50 Lunch

13:50 Alexander Hildebrandt (TU Chemnitz)
Electrostatic Interactions in Mixed-Valent Complexes

14:20 Excursion Infos and Preparation for the City Tour

14:30 Excursion to Bamberg

Wednesday, 20.10.2015

07:30 – 08:30 Breakfast and Farewell