

Timetable

Monday, July 27th

H1 *Chair: M. Scheer*

- PL01** 9:00 Robert E. Mulvey Template Ring Approaches to Metallation Chemistry
- KL01** 9:40 Holger Braunschweig Cyclic and Acyclic Boron-based Chromophores: Highly Unusual Donor-Acceptor Systems
- KL02** 10:10 Axel Schulz Activation of Small Molecules by Biradicaloids

10:40 Coffee Break

H1 *Chair: W. Uhl*

- PL02** 11:00 Neil Burford Evolving the Coordination Chemistry of p-Block Element Lewis Acceptors
- KL03** 11:40 Didier Bourissou Boron-Cations and Radicals Stabilized by Strong P→B Interactions

Lunch

H2 *Chair: E. Hey-Hawkins*

- A1** 13:40 Chris Russell Main Group Elements as Transition Metals: Reactions of Phosphorus-Carbon Multiple Bonds with Small Molecules
- A2** 14:00 Derek P. Gates The Addition-Isomerization Polymerization of Phosphaalkenes
- A3** 14:20 Fabian Dielmann Highly electron-rich phosphines for the activation of small molecules
- A4** 14:40 Jan J. Weigand Synthesis and Reactivity of a Zwitterionic Diphosphanide
- A5** 15:00 Paul Pringle 'Inorganic' Arylphosphines

H3 *Chair: D. Stalke*

- B1** 13:40 Michael Beckett New isolated polyborate anions templated by cationic transition-metal complexes
- B2** 14:00 Tomohiro Agou Reactivities of a Barrelene-type Dialumane as an Equivalent of an Al=Al Doubly-bonded Species
- B3** 14:20 Alexey Timoshkin Donor-acceptor complexes of inorganic analogs of benzene
- B4** 14:40 Holger Bettinger Multiply Boron-Nitrogen Doped Hexi-peri-hexabenzocoronene
- B5** 15:00 Ales Ruzicka Main group metal complexes containing hybrid amino/guanidinate (1- or 2-) ligands

15:20 Coffee Break

H2 *Chair: S. Dehnen*

- A6** 15:40 Werner Uhl An Al/P Based Frustrated Lewis Pair as an Efficient Ambiphilic Ligand for the Coordination and Activation of Polar Compounds
- A7** 16:00 Chris Slootweg Cooperative Lewis Acid/Base Catalysis
- A8** 16:20 Robert Kretschmer Subsequent Reduction of a Cyclic Alkyl (amino) carbene–SbCl₃ Adduct – Access to Different Oxidation States of Antimony
- A9** 16:40 Rebecca Melen Activation of π -Bonds Towards Cyclization Reactions using Lewis Acidic Boranes

H3 *Chair: C. Allen*

- B6** 15:40 Tristram Chivers Chalcogen Macrocycles Incorporating P₂N₂ Rings and Coinage Metals
- B7** 16:00 Yohsuke Yamamoto Synthesis and Properties of Hypervalent Sulfur Radicals
- B8** 16:20 Andrey Zibarev Synthesis and Characterization of Sulfur-Nitrogen π -Heterocyclic Radical-Anion Salts with Sandwich Organometallic Cations
- B9** 16:40 Ignacio Vargas-Baca The Supramolecular Chemistry of Iso-Tellurazole N-Oxides

17:00 Poster Presentations **Uneven numbered Posters**

Tuesday, July 28th

H1 *Chair: F. Gabbai*

- PL03** 9:00 Christopher C. Cummins Phosphorus-Containing Ring Systems from Low to High Oxidation States
- KL04** 9:40 Eva Hevia New main group-metal-mediated strategies for ring functionalisation
- KL05** 10:10 Guy Bertrand Nucleophilic boron derivatives, stable phosphinidenes and other main group species

10:40 Coffee Break

H1 *Chair: R. Mulvey*

- KL06** 11:00 David Scheschkewitz Base-Induced Isomerization of Unsaturated Group 14 Ring Systems
- PL04** 11:30 Doug Stephan FLP-rings: Applications in Synthesis and Catalysis

Lunch

H2 *Chair: D. Scheschkewitz*

Building Blocks for Smart Inorganic Polymers (SIPs CM1302)

- A10** 13:40 Rainer Streubel Super-strained inorganic ligands: substrate-dependent reactivity
- A11** 14:00 Laszlo Nyulaszi Hetero deoxy-Breslow intermediates – and more
- A12** 14:20 Evamarie Hey-Hawkins Reactions of tricyclopentasilane and related cyclic silicon compounds with bulky alkyl substituents
- A13** 14:40 Rudolf Pietschnig Stable Silanetriols – Building Blocks for Rings and Cages
- A14** 15:00 Frank Uhlig Cyclic Derivatives of Group 14 in Material Science

H3 *Chair: E. Hey-Hawkins*

- B10** 13:40 Sergey Konchenko Mixed d-/f-Metal Polypnictide Complexes
- B11** 14:00 Richard Layfield Phosphorus, Arsenic and Antimony Ligands in Lanthanide Molecular Nanomagnets
- B12** 14:20 Libor Dostál Quest for Monomeric Stibinidenes and Bismuthinidenes as New Ligands for Transition Metals
- B13** 14:40 Rory Waterman Iron-Catalyzed Routes to Phosphorous-Containing Rings
- B14** 15:00 Dietrich Gudat One, two, three Halogens on the Ring - on the Formation Mechanism of N-Heterocyclic Haloboranes and Halophosphanes

H4 *Chair: K. Jurkschat*

- C1** 13:40 Gábor Balázs Complexes Containing $W\equiv E$ ($E = P, As$ and Sb) Triple Bond as Precursors for Linearly Coordinated EQ ($Q = O, S, Se$ and Te) Ligands
- C2** 14:00 Ramaswamy Murugavel Is Single-4-Ring the Most Basic but Elusive Secondary Building Unit that Transforms to Larger Structures in Zinc Phosphate Chemistry?
- C3** 14:20 John F. Corrigan NHC Ligands for Ternary Metal-Chalcogen Cluster Assembly
- C4** 14:40 Carsten Strohmann Reactivity and Structure-Building Principles of LiCKOR Base Mixtures in THF
- C5** 15:00 Boomi Shankar
Ramamoorthy Functional metal-organic molecules and materials derived from rigid and flexible P-N scaffolds

15:20 Coffee Break

H2 *Chair: T. Chivers*

- A15** 15:40 Roland C. Fischer Captivating Organotin Anions – Cages, Rings and Chains
- A16** 16:00 Robert Wolf Transformations of Small Inorganic Molecules by Low-valent Transition Metalate Anions and Transition Metal Radicals
- A17** 16:20 Vladimir Lee Pyramidanes: the Covalent Form of an Ionic Compound
- A18** 16:40 Ulrich Siemeling Stable N-Heterocyclic Carbenes with a 1,1'-Ferrocenediyl Backbone and Their Heavier Homologues

H3 *Chair: R. Layfield*

- B15** 15:40 Jens Beckmann Peri-Interactions within (Ace)Naphthyl Compounds Reloaded
- B16** 16:00 Michael J. Cowley Synthesis and reactivity of phosphinidene boranes
- B17** 16:20 Wolfgang Kaim Unconventional Ring Sizes with Noninnocent Ligand Components
- B18** 16:40 Ilya Bezkishko The sodium 3,4,5-triaryl-1,2-diphosphacyclopentadienides derivatives: synthesis and coordination properties

H4 *Chair: R. Streubel*

- C6** 15:40 Claire Tessier Chlorine/oxygen transfer reactions of $[PCl_2N]_3$ using oxygenated Lewis bases as a possible route to $[PON]_3$
- C7** 16:00 Zoltán Benkő Phosphorus heterocycles from $Na(OCP)$
- C8** 16:20 Marta Elena Gonzalez
Mosquera Terpene Main Group Chiral Derivatives: Catalytic Activity in Polymerization and C-H Activation Processes
- C9** 16:40 Grzegorz Mloston Ferrocenyl Substituted 1,3-Dithiolanes via [3+2]-Cycloadditions of Thiocarbonyl S-Methanides with Ferrocenyl/Hetaryl Thioketones

17:00 Poster Presentations

Even numbered Posters

Wednesday, July 29th

H24 *Chair: N. Burford*

- PL05** 9:00 Hansjörg Grützmacher New Phosphorus Heterocycles from Simple Building Blocks
- KL07** 9:40 Cameron Jones Low oxidation state main group compounds: stabilisation strategies and transition metal-like reactivity
- KL08** 10:10 Ching-Wen Chiu Boron Cations and Poly-dentate Divalent Group 14 Ligands

10:40 Coffee Break

H24 *Chair: G. Bertrand*

- KL09** 11:00 Greg Robinson From Metalloaromaticity to N-Heterocyclic Carbenes: The Evolution of Inorganic Rings
- PL06** 11:30 François Gabbai Lewis acidic and redox properties of organoantimony derivatives – Applications in anion sensing and halogen photoreductive elimination

12:00 Lunch

14:00 Boat trip

Thursday, July 30th

H24 *Chair: I. Krossing*

- PL07** 9:00 Thomas Fässler Group 14 element rich cages and rings as precursors and intermediates for the formation of intermetalloid clusters
- KL10** 9:40 Ian Manners Catalysis in Service of Main Group Chemistry: Metal-Mediated and Metal-Free Routes to Molecules and Materials based on Elements from Group 13-15
- KL11** 10:10 Eric Rivard Inorganic Heterocycles: From New Light-emitting Entities to Surprising Products from Ligand Activation

10:40 Coffee Break

H24 *Chair: M. Veith*

- KL12** 11:00 Shigehiro Yamaguchi Main group strategy for photo and electronic functions
- KL13** 11:30 Louise Berben Ligand-Based Redox Chemistry with Aluminum(III)

12:00 Lunch

H43 *Chair: D. Gudat*

- A19** 13:40 Thomas Müller Transformations of Small Inorganic Molecules by Low-valent Transition Metalate Anions and Transition Metal Radicals
- A20** 14:00 Takeaki Iwamoto Reactions of tricyclopentasilane and related cyclic silicon compounds with bulky alkyl substituents
- A21** 14:20 Takahiro Sasamori Synthesis of 1,2-Digermacyclobutene Derivatives and Their Reactions with Ethylene
- A22** 14:40 Lars Wesemann Synthesis, Molecular Structure and Reactivity of Cyclic Sn–P–Lewis Pairs
- A23** 15:00 Masaichi Saito Synthesis, Structures and Reactions of Antiaromatic Organolead Compounds Stabilized by Lewis Bases

H44 *Chair: D. Woollins*

- B19** 13:40 Thomas Baumgartner Laterally-Functionalized Phospholes – Versatile Building Blocks for π -Conjugated Materials
- B20** 14:00 Michael Veith From cyclic and polycyclic alkoxoaluminium hydrides to alumina composites with nano- and micro-meter rings and cages
- B21** 14:20 Dietmar Stalke A World of Difference – Alkali Metal Organic Frameworks From Ammonia
- B22** 14:40 René Boéré Coordination Polymers from Main Group Ring Compounds
- B23** 15:00 Charles Macdonald Ligand Chemistry of Stable Phosphorus(I) Compounds

15:20 Coffee Break

H43 *Chair: L. Wesemann*

- A24** 15:40 Andreas Schnepf Chemistry Applying Metalloid Tin Clusters
- A25** 16:00 Stefanie Dehnen Ternary Intermetalloid Clusters: About Unexpected Structures and How to Get There
- A26** 16:20 Cheuk-Wai So Base-Stabilized Low Valent Group 14 Element Complexes for the Construction of Unsaturated Systems
- A27** 16:40 Klaus Jurkschat Anion and Cation Complexation by Di- and Multicentered Tin-Based Lewis Acids

H44 *Chair: T. Baumgärtner*

- B24** 15:40 Christophe Lescop Thermochromic Emissive Metallacycles
- B25** 16:00 Carlos Romero-Nieto Paving the Way to Novel Phosphorus-based Architectures: a Non-catalyzed Protocol to Access Fused Heterocycles
- B26** 16:20 Harald Stueger Photoinduced Rearrangement of Acylcyclopolysilanes
- B27** 16:40 Maravanji Balakrishna Cyclodiphosphazanes in Metal Organic Frameworks

19:00 **Conference Dinner**

Friday, 31 July

H24 *Chair: C. Jones*

- PL08** 9:30 Simon Aldridge Novel approaches to E-H bond activation and functionalization using Main Group systems
- KL14** 10:10 Jose Goicoechea Novel Phosphorus ring systems derived from the 2-phosphaethynolate anion
- KL15** 10:40 Sjoerd Harder Early Main Group Metal Hydride Complexes

11:10 Coffee Break

H24 *Chair: T. Fäßler*

- KL16** 11:30 Ingo Krossing Bermuda-Clusters...? On the Interaction of Chelating Bipyridines with Subvalent Ga⁺ and In⁺ Salts of the [Al(OR^F)₄]⁻ WCA
- KL17** 12:00 Norihiro Tokitoh New Aspects in the Chemistry of Al-containing Cyclic Compounds

12:30 Closing Remarks