

Sunday, August 28

Welcome to GTL2016 in Pardubice!

17:00 - 19:00

Registration at the Pardubice Chateau

19:00 - 21:00

Welcome reception at the Pardubice Chateau

Monday, August 29

Morning session 1

Chaired by Aleš Růžička

8:45 - 9:00

Opening

Miroslav Ludwig (Rector of the University of Pardubice)

Petr Němec (Vice Dean of the Faculty of Chemical Technology)

9:00 - 9:50

Cameron Jones

PL1 | p 25

Putting Low Oxidation State Group 14 Complexes to Work: Stabilization and Applications in Synthesis and Catalysis

9:50 - 10:10

Britta Glowacki

OC1 | p 61

Metallatranes: From Monomers to Novel Tin Oxoclusters

10:10 - 10:30

Naokazu Kano

OC2 | p 62

Interconversion of Dianionic, Anionic, and Neutral Compounds Bearing a Bond between Pentacoordinated Germanium Atoms

10:30 - 10:50

Jihed Ayari

OC3 | p 63

Tricentric Lewis Acids $\text{MeSi}(\text{CH}_2\text{SnPh}_{(3-n)}\text{X}_n)_3$ (X = halogen, n = 1-3): Anion Complexation and Formation of Organotin Chalcogenoclusters

10:50 - 11:20

Coffee break

Morning session 2

Chaired by Cameron Jones

11:20 - 11:50

Simon Aldridge

IL1 | p 33

Enabling and Harnessing Unusual Reactivity in Germanium and Tin Boryl Complexes

11:50 - 12:20

Ravi Shankar

IL2 | p 34

Organotin(IV) Phosphonates/Phosphonate Esters and Their Transformation from Bulk to Nano/Colloidal Particles

12:20 - 12:50

Rudolph Willem

KL1 | p 49

Combined NMR and DFT Study on the Complexation Behavior of Lappert's Sn(II)diamide

12:50 - 14:20

Lunch

Afternoon session 1

Chaired by Frank Uhlig

14:20 - 14:50

Lars Wesemann

IL3 | p 35

Chemistry of Tin Hydrides

14:50 - 15:20

Pavel Hobza

IL4 | p 36

New Insight into the Nature of Bonding in Organometallic Compounds: A Quantum Mechanical Study

15:20 - 15:40

Tsukasa Matsuo

OC4 | p 64

Germanone and Related Compounds

15:40 - 16:00

Charles S. Weinert

OC5 | p 65

The Quest for Long Chain Oligogermanes: Molecular Models and Mimics for Polygermanes and Germanium Nanomaterials

16:00 - 16:30

Coffee break

Afternoon session 2

Chaired by Pavel Hobza

16:30 - 17:00

Hiromi Tobita

KL2 | p 50

Synthesis and Some Unique Reactions of Neutral and Cationic Tungsten-Germanium Multiple-Bonded Complexes

17:00 - 17:20

David Nieder

OC6 | p 66

Preparative Exploration of the Si₂GeR₄ Energy Landscape and Dichotomic Reactivities of Isomer

Poster session

18:00 - 20:00

Poster Session

Tuesday, August 30

Morning session 1

Chaired by *Andreas Schnepf*

9:00 - 9:50

Vladimir Ya. Lee

PL2 | p 26

Inverted Tetrahedral Geometry at the Heavier Group 14 Elements: *Pyramidanes* and *Propellanes*

9:50 - 10:10

Melanie Wolf

OC7 | p 67

First Steps Towards Novel Arylgermanes

10:10 - 10:30

Petr V. Prikhodchenko

OC8 | p 68

Peroxo complexes of Germanium and Tin: Synthesis, Structure and Application for Oxide and Sulfide Coatings Processing

10:30 - 10:50

Andrew L. Johnson

OC9 | p 69

Tin(II) Chalcogenides from Molecules to Materials: New Materials for Electronics and Energy Harvesting

10:50 - 11:20

Coffee break

Morning session 2

Chaired by *Libor Dostál*

11:20 - 11:50

J. Robin Fulton

IL5 | p 37

The Chalcophilicity of Germanium, Tin and Lead Phosphanide Complexes

11:50 - 12:20

Andreas Schnepf

IL6 | p 38

Metalloid Germanium Clusters. Insights into Element Formation

12:20 - 12:50

Roland C. Fischer

KL3 | p 51

Enchaining Organotin Anions – Cages, Rings and Chains

12:50 - 14:20

Lunch

Afternoon session 1

Chaired by J. Robin Fulton

14:20 - 14:50

Stefanie Dehnen

IL7 | p 39

Spicy Mixtures: Germanium, Tin or Lead Atoms as Components of Multinary Clusters

14:50 - 15:20

Masaichi Saito

IL8 | p 40

Aromatic and Antiaromatic Compounds with Tin and Lead Atoms: New Building Blocks for π -Figuration

15:20 - 15:40

Laurent Plasseraud

OC10 | p 70

High-Pressure NMR Spectroscopy: An in situ Tool to Study Tin-Catalyzed Synthesis of Organic Carbonates from Carbon Dioxide and Alcohols

15:40 - 16:00

Hemant K. Sharma

OC11 | p 71

New Chemistry Resulting from Studies of Organotins

16:00 - 16:30

Coffee break

Afternoon session 2

Chaired by Stefanie Dehnen

16:30 - 17:00

Ulrich Siemeling

KL4 | p 52

Stable N-Heterocyclic Germylenes, Stannylenes and Plumbylenes with a 1,1'-Ferrocenediyl Backbone

17:00 - 17:20

Natalia del Rio

OC12 | p 72

A Stable Heterocyclic Amino(phosphanylidene- σ^4 -phosphorane) Germylene

17:20 - 17:50

Thomas Schaub

KL5 | p 53

Phosgene-Free Synthesis of Isocyanates from Carbon Dioxide and Dialkyltin-dialkoxides

Wednesday, August 31

Morning session 1

Chaired by Norihiro Tokitoh

9:00 - 9:50

Kim M. Baines

PL3 | p 27

Extreme Fun: The Synthesis and Chemistry of Hyper- and Hypovalent Germanium Complexes

9:50 - 10:10

Masato Nanjo

OC13 | p 73

Synthesis and Structure of Hexa-coordinated Germanate and Silicate Complexes, and Their Application to Electrolytes

10:10 - 10:30

Christian P. Sindlinger

OC14 | p 74

Derivatisation of Hydrostannylene-Base Adducts

10:30 - 10:50

Yoshiyuki Mizuhata

OC15 | p 75

Thermal Isomerization Reactions of Group 6 Metal Complexes of 2-Stannanaphthalene

10:50 - 11:20

Coffee break

Morning session 2

Chaired by Roman Jambor

11:20 - 11:50

William J. Leigh

IL9 | p 41

Intra- and Intermolecular π -Complexation of Transient Germylenes and Stannylenes with Alkenes

11:50 - 12:20

Norihiro Tokitoh

IL10 | p 42

Structure and Reactivity of Germabenzylpotassium

12:20 - 13:30

Lunch

Conference trip

13:30 - 21:30

Conference trip to Kutná Hora

Thursday, September 1

Morning session 1

Chaired by William J. Leigh

9:00 - 9:50

Matthias Driess

PL4 | p 28

Stable Zero-Valent Germanium Complexes ('Germynes')

9:50 - 10:10

Sutopo Hadi

OC16 | p 76

The Anti Corrosion Activity of Some Organotin(IV) Hydroxybenzoate Compounds Towards HRP Mild Steel in NaCl

10:10 - 10:30

Svetlana V. Baryshnikova

OC17 | p 77

Redox Rich Tin(II,IV) Complexes Based on Ferrocene-Containing o-Benzoquinonato Ligands

10:30 - 10:50

Ana Torvisco

OC18 | p 78

Crystallographic Studies on Non-Covalent Interactions of Novel Aryl Group 14 Halides and Hydrides

10:50 - 11:20

Coffee break

Morning session 2

Chaired by Yann Sarazin

11:20 - 11:50

Werner Uhl

IL11 | p 43

Bond Activation in Aluminium and Gallium Functionalized Germanes

11:50 - 12:20

Frank Uhlig

KL6 | p 54

Aryl-substituted Group 14 Derivatives and Energy Storage

12:20 - 12:50

Eric Fillion

KL7 | p 55

Exploring and Exploiting New Reactivity of Alkyl-Tricarbostannatranes in Lewis Acid and Transition Metal Catalysis

12:50 - 14:20

Lunch

Afternoon session 1

Chaired by Klaus Jurkschat

14:20 - 14:50

Eric Rivard

IL12 | p 44

Exploiting Ge(II) Centers to Achieve Nanomaterial Synthesis and Small Molecule Activation

14:50 - 15:20

Cheuk-Wai So

IL13 | p 45

Heavier Group 14 Elements-Containing π -Conjugated Systems

15:20 - 15:40

Michael Haas

OC19 | p 79

Synthesis and Characterization of New Germanium-Based Photoinitiators

15:40 - 16:00

Norio Nakata

OC20 | p 80

Cationic Dinuclear Platinum and Palladium Complexes Bearing μ -Hydrido and μ -Germylene Ligands

16:00 - 16:30

Coffee break

Afternoon session 2

Chaired by Rudolph Willem

16:30 - 17:00

Sławomir J. Grabowski

KL8 | p 56

Tetrel Bond – Towards Hypervalency

17:00 - 17:20

Antonín Lyčka

OC21 | p 81

Organotin Chemistry in Pardubice. A Tribute to Prof. Dr. Jaroslav Holecck

19:00 - 23:00

Conference dinner at the Kunětická Hora Castle

Friday, September 2

Morning session 1

Chaired by Simon Aldridge

9:00 - 9:50

Yann Sarazin

PL5 | p 29

Heavier Group 14 Chalcogenates: Structural Features and Catalytic Applications

9:50 - 10:10

Elisabeth Schwarz

OC22 | p 82

Synthetic and Theoretical investigations of Diphosphastannylenes

10:10 - 10:30

Jan Vícha

OC23 | p 83

Giant ^{13}C and ^{29}Si NMR Chemical Shifts in Tl(I) and Pb(II) Complexes: Role of Relativity

10:30 - 10:50

Kirill V. Zaitsev

OC24 | p 84

“Heavier” Carbene Analogs Based on Polydentate Ligands

10:50 - 11:20

Coffee break

Morning session 2

Chaired by Antonín Lyčka

11:20 - 11:50

Klaus Jurkschat

KL9 | p 57

Phosphorus-Containing Ferrocenes and their Tin Derivatives

11:50 - 12:20

Keith Izod

KL10 | p 58

Substituent Effects on the Structures and Stabilities of P=E π -Stabilized Diphosphatetrylenes $(\text{R}_2\text{P})_2\text{E}$, E = Ge, Sn

12:20 - 12:50

Closing remarks

12:50 - 14:20

Lunch