



Monday, 2 December

8am	Registration <i>Welcome desk</i>
8:55am	Opening Speech <i>Auditorium</i>
9:05am	Plenary speech <i>Auditorium</i> Chaired by: Dr. Maurizio Peruzzini
9:05am	STABLE CARBENES, PHOSPHINIDENES AND BORYLENES » Prof. Guy Bertrand
9:45am	Phosphines and phosphinosilanes together with metal hydrides » Dr. Sylviane Sabo-Etienne
10:15am	Coffee break <i>Hall</i>
10:45am	Plenary speech <i>Auditorium</i> Chaired by: Prof. David Scheschkewitz
10:45am	The rise of silylenes for cooperative chemical transformations » Prof. Matthias Driess
11:25am	Hydrophosphination: new twists in an old reaction » Prof. Paul Pringle
12pm	Lunch <i>Partner restaurant</i>

1:30pm **Poster session** *Hall*

Synthesis of alkenyl-functionalized silsesquioxanes and spherosilicates via hydrosilylation of alkynes

» [Ms. Kinga Stefanowska](#), Dr. Adrian Franczyk, Dr. Jakub Szyling, Dr. Jędrzej Walkowiak

Formation of tin(II) amidinates from carbonitriles via migration of SiMe₃ group from Lappert's stannylene

» [Dr. Tomas Chlupaty](#), Ms. Kristyna Brichova, Dr. Zdenka Ruzickova, Prof. Ales Ruzicka

Reactivity study of a new germaphosphaalkenyl derivative

» [Dr. Gabriela Nemes](#), Ms. Lavinia Buta, Mr. Ionut-Tudor Moraru, Dr. Raluca Septelean

Surface molecularly imprinted solid phase extraction of griseofulvin from pharmaceutical preparations

» [Mr. Kamran Bashir](#), Prof. Qiang Fu, Mr. Guoning Chen, Dr. Pengqi Guo, Mr. Yunzhe Li

Nucleophilic alkaline earth boryls: from conception and theory to application

» [Mr. Henry Shere](#), Dr. Anne-Frédérique Pécharman, Dr. Mary Mahon, Prof. Michael Hill

Struvite as an alternative phosphorus fertilizer for horticultural crops

» Dr. Carolina Mancho, Dr. Mar Gil-Diaz, Mr. Juan Alonso, Mr. Sergio Diez-Pascual, Dr. Pilar García-Gonzalo, [Dr. M.Carmen Lobo Bedmar](#)

Facile synthesis of spray pyrolyzed ZnO/NiO nanocomposites thin films

» [Mr. Antar Bouhank](#), Dr. Youcef Bellal, Mr. Hacene Serrar

Mechanism of CO₂ activation by diamminophosphinoboranes

» [Ms. Natalia Szykiewicz](#), Dr. Rafał Grubba



Continued from **Monday, 2 December**

New tertiary phosphines based on a 1,8-naphthalimide scaffold

» Dr. Martin Smith, [Mr. Luke Wilkinson](#)

Novel synthetic approaches to cyclic and open-chained phospha-silenes

» [Mr. Daniel Mühlhausen](#), Prof. David Scheschkewitz, Mr. Yannic Heider

Phosphorene and black phosphorus: the 31P NMR view

» [Dr. Silvia Borsacchi](#), Dr. Lucia Calucci, Prof. Marco Geppi, Dr. Francesca Martini, Dr. Giovanni Barcaro, Dr. Maria Caporali, Dr. Manuel Serrano-Ruiz, Mr. Matteo Vanni, Dr. Margherita Bolognesi, Dr. Stefano Toffanin, Dr. Francesca Cicogna, Dr. Serena Coiai, Dr. Elisa Passaglia, Dr. Maurizio Peruzzini

Modeling of low non linearity and low confinement loss photonic crystal fiber by introducing asymmetric defect structures

» [Dr. Mohamed Benhaddad](#), [Prof. Fouad Kerrou](#)

Metallacarboranes as TNBC therapeutics

» [Mr. Neville Murphy](#), Dr. Pau Farràs, Dr. Roisín Dwyer, Prof. Andrew Dove, Dr. Andrew Weems

Reactivity of silane compounds with few-layer black phosphorus

» [Mr. Iñigo Iglesias](#), Dr. Andrea Ienco, [Dr. Manuel Serrano-Ruiz](#), Dr. Maria Caporali, Dr. Maurizio Peruzzini, Dr. Martina Banchelli, Dr. Paolo Matteini

2:30pm **Advanced synthesis and characterization**

Auditorium

Chaired by: Dr. Sylviane Sabo-Etienne

2:30pm **Heavier cyclopropenes**

» [Prof. David Scheschkewitz](#)

3:04pm **A stable N-heterocyclic silylene with a 1,1'-ferrocenediyl backbone: reactivity towards carbonyl compounds and fundamentally important small molecules**

» Ms. Nadine Weyer, Dr. Michael Leibold, Dr. Clemens Bruhn, [Prof. Ulrich Siemeling](#)

3:38pm **ESi5 heterosiliconoids (E = B, P): Stable n- and p-doped unsaturated silicon clusters**

» [Mr. Yannic Heider](#), Prof. David Scheschkewitz

3:55pm **Diphosphination and phosphinoboration of carbon dioxide**

» [Dr. Rafał Grubba](#), Ms. Natalia Szykiewicz, Ms. Anna Ordyszewska, Dr. Łukasz Ponikiewski, Prof. Jarosław Chojnacki

2:30pm **Bioinorganic chemistry and application in medicine**

Room 1

Chaired by: Dr. Anna Tampieri

2:30pm **Boron clusters on the road to detection and anticancer therapies**

» [Prof. Clara Viñas](#), Prof. Francesc Teixidor, Dr. Elena Oleshkevich, Ms. Isabel Fuentes, Ms. Arpita Saha

3:04pm **Carboranes in medicinal chemistry**

» [Prof. Evamarie Hey-Hawkins](#), Dr. Menyhárt-Botond Sárosi

3:38pm **Multidentate ligands with phosphorus pendant arms in the synthesis of potential antitumor agents based on rhenium(I) complexes**

» [Dr. Diana Aleksanyan](#), Dr. Svetlana Churusova, Dr. Ekaterina Rybalkina, Prof. Vladimir Kozlov

3:55pm **Development of tumor-targeting boron-containing compounds for Boron Neutron Capture Therapy**

» [Mr. Cheng-Ying Hsieh](#), Ms. Jui-Hsun Chang, Mr. Zong-Kai Xue, Ms. Yi-Hsiu Chung, Prof. Chun-Yi Wu, Prof. Jen-Kun Chen, Prof. Ming-Hua Hsu, Prof. Jia-Cherng Horng

4:10pm **Coffee break**

Hall



Continued from **Monday, 2 December**

- 4:40pm **Advanced synthesis and characterization**
Auditorium
Chaired by: Prof. Paul Pringle
- 4:40pm **Novel synthetic approach to charge-compensated nido-carborane ligands**
» [Dr. Marina Stogniy](#), Ms. Svetlana Erokhina, Prof. Igor Sivaev, Prof. Vladimir Bregadze
- 4:57pm **Metal-free nucleophilic substitution of iodine in nido-carborane**
» [Prof. Igor Sivaev](#)
- 5:14pm **Synthesis of fluorescent water-soluble phosphorus dendrimers excited by two photons for biological uses**
» [Mr. Artem Zibarov](#), Dr. Aurelien Hameau, Dr. Kathleen Moineau-Chane Ching, Dr. Anne-Marie Caminade, Dr. Jean-Baptiste Verlhac, Dr. Mireille Blanchard-Desce, Dr. Maxime Klausen
- 5:31pm **Bisphosphonyl-substituted α -amino acids: Synthetic route to new potentially active compounds**
» [Dr. Romana Paikert](#), Ms. Isabeau Lüddecke, Prof. Jianlin Han, Dr. Haibo Mei, Prof. Gerd-Volker Röschenhaler
- 5:48pm **Reactivity of Woollins' reagent with Schiff bases**
» [Prof. Derek Woollins](#), Dr. Guoxiong Hua
- 6:05pm **Stable cAAC-phosphonyl radicals adducts**
» Mrs. Yulia Livshits Kritsman, Dr. Boris Tumansky, [Dr. Roman Dobrovetsky](#)
- 6:22pm **Building blocks for "carbonphosphides" and related P,C,N compounds**
» [Prof. Hansjoerg Gruetzmacher](#), Mr. Moritz Scharnhoelez, Prof. Zhongshu Li, Dr. Jaap Borger

4:40pm **Materials science: polymers, thin films, nanopowders, ceramics, crystals, composites etc.**
Room 1
Chaired by: Prof. Torben Jensen

4:40pm **Synthesis of new siloxane sulfur-containing monomers and oligomers based on carvone**
» [Dr. Fedor Drozdov](#), Dr. Alexandr Tarasenkov, Dr. Georgij Cherkaev, Prof. Aziz Muzafarov

4:57pm **Towards silica-phosphazene based hybrid nanoparticles with controlled degradability**
» [Ms. Vanessa Poscher](#), Prof. Ian Teasdale, Dr. Yolanda Salinas

5:14pm **Rhodium(I) and iridium(III) complexes as catalysts for obtaining silicone rubber with improved properties**
» [Mr. Mikhail Dobrynin](#), Prof. Regina Islamova

5:31pm **Cyclic organosilicon triperoxides as new curing agents for silicones**
» [Mr. Konstantin Deriabin](#), Prof. Regina Islamova

5:48pm **Effect of phosphorus-, nitrogen- and silicon-based coatings on the flammability of cotton textiles**
» [Prof. Joelle Levalois-Grutzmacher](#)

6:05pm **Black phosphorus functionalization with organometallic precursors**
» [Dr. Matteo Vanni](#), Dr. Manuel Serrano-Ruiz, Dr. Stefano Caporali, Dr. Andrea Giaccherini, Dr. Francesco D'Acapito, Dr. Antonio Massimiliano Mio, Dr. Giuseppe Nicotra, Dr. Gabriele Manca, Dr. Andrea Ienco, Dr. Werner Oberhauser, Dr. Maria Caporali, Dr. Maurizio Peruzzini

6:22pm **From bulk to nanosized ammonia borane**
» [Prof. Umit B. Demirci](#)

7pm **Cheese and Wine**
Il Margutta



Tuesday, 3 December

- 8:30am **Registration**
Welcome desk
- 9am **Plenary speech**
Auditorium
Chaired by: Andrea Rossin
- 9am **New perspectives in small molecule activation using low valent main group compounds**
» [Prof. Simon Aldridge](#)
- 9:40am **Phosphorus: a key role in mineralized human tissues and the new perspective in Regenerative Medicine**
» [Dr. Anna Tampieri](#)
- 10:15am **Coffee break**
Hall
- 10:45am **Plenary speech**
Auditorium
Chaired by: Prof. Norihiro Tokitoh
- 10:45am **Why scientists forget boron clusters?**
» [Prof. Francesc Teixidor](#)
- 11:25am **Towards green chemistry of silicones**
» Dr. Maxim Temnikov, Dr. Alexandra Kalinina, Dr. Aleksandra Bystrova, [Prof. Aziz Muzafarov](#)
- 12pm **Lunch**
Partner restaurant

1:30pm **Poster session** *Hall*

- Attempted synthesis of silylenes leads to the formation of a hitherto unknown tricyclooctasilane**
» [Dr. Michael Haas](#), Prof. Cameron Jones
- Mesoporous silica material functionalized with calixarenes**
» [Prof. Ovidiu Nemes](#), Dr. Raluca Septelean, Mr. Marius Olteanu, Dr. Gyorgy Deak, Dr. Ancuta Elena Tiuc
- A concise stereoselective route to C- and P- chiral phosphines via optically active oxaphospholane-2-oxide**
» [Dr. Orit Keisar](#), Dr. Nissan Ashkenazi
- The influence of metal (I/II) salts on the properties of the phosphonoformate anion**
» [Ms. Mara Egenhöfer](#), Ms. Sara Barile, Prof. Vito Capriati, Prof. Konstantin Karaghiosoff
- Novel PEGylated nedaplatin liposomes with enhanced cytotoxicity and genotoxicity**
» [Mr. Sherif Ashraf Fahmy](#), Mrs. Salma El-Shafei, Ms. Nada Elzahed, Dr. Andreas Kakarougkas, Prof. Tamer Shoeib
- Novel catalytic methodologies for the synthesis of functionalized silsesquioxanes**
» [Ms. Joanna Kaźmierczak](#), Prof. Grzegorz Hreczycho
- Access to P*-chiral tertiary diphosphines via asymmetric catalytic hydrophosphination reaction**
» [Mr. Ronald Teo](#), Dr. Jeremy Chen, Dr. Yongxin Li, Dr. Sumod A. Pullarkat, Prof. Pak-Hing Leung
- Synthesis of chiral bidentate mixed phosphine-N-heterocyclic carbene precursors**
» [Mr. Jeffery Seah Wee Kiong](#), Dr. Yongxin Li, Dr. Sumod A. Pullarkat, Prof. Pak-Hing Leung



Continued from **Tuesday, 3 December**

Tris(aminomethyl-1-pyrenyl)phosphine: a new air stable ligand with metal coordination capabilities

» Dr. Martin Smith, [Mr. Christopher Miles](#)

Exploiting non-covalent interactions in catalysis using 1-pyrenyl bearing phosphines

» Dr. Martin Smith, [Mr. Peter De'Ath](#)

Two ways of boron and gadolinium coupling

» [Dr. Sergey Anufriev](#), Prof. Igor Sivaev

Multilayered Cu-Ti deposition on silicon substrates for chemiresistor applications

» [Dr. Alfio Torrisi](#), Dr. Pavel Horák, Dr. Antonino Cannavò, Dr. Giovanni Ceccio, Dr. Jiri Vacík, Dr. Jan Vanis, Dr. Jan Grym, Dr. Roman Yatskiv

Carbosilane dendritic amphiphiles for the preparation of liposomal drug delivery systems

» [Mr. Antonín Edr](#), Dr. Tomáš Strašák

Four-channel optical demultiplexer based on X shaped photonic crystal ring resonators

» Dr. Merzoug Ammari, Dr. Ahlem Benmerkhi, Prof. Touraya Bouchemat, Prof. Mohamed Bouchemat, [Prof. Fouad Kerrou](#)

2:30pm General aspects of inorganic chemistry

Auditorium

Chaired by: Prof. Simon Aldridge

2:30pm Decaborate: A smaller cousin of dodecaborate in supramolecular chemistry

» [Prof. Detlef Gabel](#), Dr. Suzan El Anwar, Dr. Bohumir Grüner, Ms. Barbara Begaj

3:04pm d10-Metal complexes of novel, hemilabile phosphine oxide ligand

» [Ms. Christin Kirst](#), Prof. Konstantin Karaghiosoff

3:21pm Fragmentation and ring opening reactions of the imidazoliumyl-substituted [(LC)4P4]4+ tetracation (LC = NHC)

» [Dr. Kai Schwedtmann](#), Ms. Jan Haberstroh, Mr. Sven Roediger, Dr. Antonio Bauza, Dr. Antonio Frontera, Dr. Felix Hennersdorf, Prof. Jan J. Weigand

3:38pm A new diversified family of diphosphinoboranes - synthesis and classification

» [Ms. Anna Ordyszewska](#), Ms. Natalia Szykiewicz, Prof. Jarosław Chojnacki, Dr. Rafał Grubba

3:55pm Substituted thiaboranes establish the class of non-covalent organic framework materials

» [Prof. Ales Ruzicka](#)

2:30pm Bioinorganic chemistry and application in medicine

Room 1

Chaired by: Prof. Clara Viñas

2:30pm Fluorescent dendritic nanotools especially designed for biology

» [Dr. Anne-Marie Caminade](#)

3:04pm Novel fluoroborate-functionalised polyazamacrocycles for the specific detection of tumour hypoxia by 19F-MRI

» [Dr. Thibault Troadec](#), Dr. Richard Knighton, Dr. Lorenzo Tei, Prof. Raphaël Tripiet

3:21pm Synthesis of phosphonic analogues of phenylalanine and homophenylalanine including fluorine and bromine in aromatic moiety.

» [Ms. Weronika Wanat](#), Prof. Pawel Kafarski

3:38pm Influence of phosphorus content on bioactivity of SiO₂-CaO-P₂O₅ nanoparticles

» [Dr. Beata Borak](#), Ms. Iga Jakobowska, Ms. Jolanta Gasiorek, Dr. Justyna Krzak, Dr. Maciej Ptak, Dr. Anna Lukowiak



Continued from **Tuesday, 3 December**

3:55pm **Efficient light emitters based on icosahedral boron clusters. Structure, photophysics and bioimaging studies.**
» [Dr. Rosario Nunez](#), Dr. Mahdi Chaari, Dr. Albert Ferrer-Ugalde, Prof. Francesc Teixidor, Prof. Clara Viñas, Dr. Gerard Tobias

4:10pm **Coffee break**
Hall

4:35pm **Group Photo**
TBD

4:50pm **Catalysis processes & applications**
Auditorium
Chaired by: Prof. Christian Müller

4:50pm **Combining frustrated lewis pair Reactivity with boron-ligand cooperation: reversible hydrogen activation and gem selective dimerization of terminal alkynes by a pyridonate borane complex**
» [Dr. Urs Gellrich](#), Mr. Max Hasenbeck

5:07pm **Towards convenient methodologies for the synthesis and use of organophosphorus derivatives**
» [Dr. Julia Deschamp](#), Dr. Jade Dussart, Dr. Margery Cortes-Clerget, Dr. Olivier Gager, Dr. Evelyne Migianu-Griffoni, Prof. Marc Lecouvey

5:24pm **Aerobic [M]-/organo-catalyzed oxidation of siloxanes – perspective way to the functionalized siloxanes**
» [Ms. Irina Goncharova](#), Dr. Ashot Arzumanyan, Dr. Sergey Milenin, Prof. Aziz Muzafarov

5:41pm **Highly selective hydrosilylation of alkynes by platinum(0) complexes bearing bulky dialkylbiaryl phosphine ligands**
» [Mr. Ruslan Lukin](#), Dr. Dmitry Yakhvarov, Mr. Alexander Kachmarzhik

5:58pm **Investigating the reduction and reactivity of cobalt diphosphine complexes**
» [Ms. Claire Brodie](#), Dr. Andrei Batsanov, Dr. Phil Dyer

6:15pm **Detecting and identifying the first reaction intermediates in hydrolysis of sodium borohydride**
» [Prof. Umit B. Demirci](#)

4:50pm **Optical, electrical and magnetic properties**
Room 1
Chaired by: Prof. Muriel Hissler

4:50pm **Polycyclic Aromatic Hydrocarbons (PAHs) with P-containing six and seven membered rings**
» [Mr. Thomas Delouche](#), Prof. Muriel Hissler, Dr. pierre-antoine bout

5:07pm **Configurational landscapes of hydrido iron (II) complexes with chiral diphosphanes**
» Prof. Francisco Estevan, [Dr. Marta Feliz](#)

5:24pm **Modulation of dual emission in donor-acceptor phosphonium fluorophores**
» [Mr. Andrei Beliaev](#), Prof. Igor Koshevoy, Prof. Pi-Tai Chou

5:41pm **Anellated 3a,6a-diaza-1,4-diphosphapentalene as a form of stabilized phosphinidene**
» [Prof. Alexander Kornev](#)

5:58pm **Synthetic study towards diiodinated diaryl ether and thioether derivatives**
» [Prof. Khaled Shawakfa](#), Dr. Raed AlZoubi, Ms. Reem Altamimi

7pm **Vivaldi baroque concerto**
All saints' Church



Wednesday, 4 December

- 8:30am **Registration**
Welcome desk
- 9am **Plenary speech**
Auditorium
Chaired by: Prof. Evamarie Hey-Hawkins
- 9am **Light element boron based energy materials for batteries and hydrogen storage**
» [Prof. Torben Jensen](#)
- 9:35am **Advances in P- based molecular materials for opto-electronic application**
» [Prof. Muriel Hissler](#)
- 10:15am **Coffee break**
Hall
- 10:45am **Plenary speech**
Auditorium
Chaired by: Dr. Silvia Borsacchi
- 10:45am **Recent progress in the chemistry of heavy aromatics**
» [Prof. Norihiro Tokitoh](#)
- 11:25am **Structures of phosphates, borates, and silicates from surface enhanced NMR spectroscopy**
» [Prof. Lyndon Emsley](#)
- 12pm **Lunch**
Partner restaurant

1:30pm **Poster session** *Hall*

- Novel 1,3-diphosphapropenes. New unsaturated phosphorus containing derivatives.**
» [Dr. Raluca Septelean](#), Ms. Alexandra Muresan, Dr. Gabriela Nemes
- Oxidation of hydride and p-tolylsiloxanes: development of catalytic approaches**
» [Ms. Irina Goncharova](#), [Dr. Ashot Arzumanyan](#), Dr. Sergey Milenin, Prof. Aziz Muzafarov
- Tuning the toxicity of phosphonium based biocides using the bioisosteric fluoromethyl moiety**
» [Mr. Marco Reiche](#), Prof. Konstantin Karaghiosoff, Ms. Svetlana Dubrovnik, Ms. Cornelia Unger, Dr. Andreas Roidl
- Efficient organocatalytic dehydrogenation of ammonia borane**
» [Mr. Max Hasenbeck](#), Dr. Jonathan Becker, Dr. Urs Gellrich
- Efficient, non-empirical algorithm for the black-box computation of solvation entropies**
» [Mr. Jama Ariai](#), Dr. Urs Gellrich
- Synthesis and application of anthraquinone derivatives on polyester matrix with supercritical carbon dioxide system**
» [Prof. Young-A Son](#), Dr. Penthala Raju
- Synthesis of monolithic polyurethane/methyltrimethoxysilane hybrid aerogels via ambient pressure drying**
» [Mr. Jinkyu Choi](#), Mr. Myeong Yeon Lee, Prof. Sang Eun Shim
- Organic and nanoparticle derived composites and their potential application as antimicrobials and antifungals.**
» [Mr. Mphleki Lupiwana](#), Dr. Natasha October, Dr. Mohammed Balogun



Continued from **Wednesday, 4 December**

Enhancing structural properties of PZT nano-powders for piezoelectric applications

» [Dr. Amina Kermad](#), Dr. Sanaa El Korso, Prof. Abderrahim Choukchou Braham, Ms. Hidayet Kaouadji, Dr. Amine Brixi Negassa, Dr. Sofiane Soulimane, Prof. Amel Boudjemaa

Highly efficient method for producing transparent and hydrophobic silica aerogels

» [Mr. Dmitry Kholodkov](#), Dr. Ashot Arzumanyan, Prof. Aziz Muzafarov

Synthesis of siloxane nanogel with phenylboronic functional groups

» [Dr. Sergey Milenin](#), Dr. Fedor Drozdov, Mr. Ivan Meshkov, Prof. Aziz Muzafarov

Role of hydrogen bonding by thiones in protecting biomolecules from copper(I)-mediated oxidative damage

» [Mr. Rakesh Kumar Rai](#), Dr. Gouriprasanna Roy

Ultra-Fast Surface Hardening and Strengthening of Low Alloy Steel For Thermal and Radiation Shielding

» [Ms. Lina Enan](#)

Power splitter and TE-TM Polarization separator based on magneto-photonic crystal fiber

» Dr. Mohamed Redha Lebbal, Dr. Iarioui fateh Larioui, Prof. Touraya Bouchemat, Prof. Mohamed Bouchemat, [Prof. Fouad Kerrou](#)

2:30pm **Advanced synthesis and characterization**

Auditorium

Chaired by: Andrea Rossin

2:30pm **Phosphorus-containing cations partnered by WCAs**

» [Prof. Ingo Crossing](#)

3:04pm **Si(II)/NHC supported Cu(I)- and Au(I)-benzene complexes and their application in glycoside synthesis**

» [Ms. Nasrina Parvin](#), Prof. Shabana Khan

3:21pm **Poly(iminoborane)s: the missing link in inorganic main-group macromolecular chemistry**

» [Mr. Nicolas Riensch](#), Dr. Ozan Ayhan, Dr. Holger Helten

3:38pm **Aldol reaction of the heavier carbon homologues**

» [Dr. Michael Haas](#)

3:55pm **Highly textured boron/nitrogen co-doped TiO₂ with honeycomb structure showing enhanced visible-light photoelectrocatalytic activity**

» [Dr. Amr Nada](#), Dr. Waleed El Rouby, Dr. Maged Bekheet, Prof. Philippe Miele, Dr. Stephanie Roualdes, Dr. Mikhael Bechelany

2:30pm **Reactions of coordination compounds**

Room 1

Chaired by: Prof. Derek Woollins

2:30pm **News from the chemistry of functionalized phosphabenzenes**

» [Prof. Christian Müller](#)

3:04pm **Nonspectator phosphorus ligands: formation of metallophosphorane by insertion of P into M-H and M-C bonds**

» [Mr. Akira Tanushi](#), Dr. Seung Jun Hwang, Prof. Alex T. Radosevich

3:21pm **Polyoxidoborate chemistry: coordination (1-D chain) polymers with Zn(II) borates**

» [Prof. Michael Beckett](#), Dr. Mohammed Altahan, Dr. Peter Horton

3:38pm **Biphilic [1,4]-additions to geometrically distorted NNNP**

» [Dr. Colet te Grotenhuis](#), Mr. Jared T. Mattos, Prof. Alex T. Radosevich

3:55pm **Push-pull stabilized P₂ and As₂ derived by oxidative coupling of heavy rhenium pnictides**

» [Dr. Josh Abbenseth](#), Dr. Martin Diefenbach, Dr. Alexander Hinz, Prof. Jose Goicoechea, Prof. Max Holthausen, Prof. Sven Schneider



Continued from **Wednesday, 4 December**

- 4:10pm **Coffee break**
Hall
- 4:40pm **Multiple topics**
Auditorium
Chaired by: Dr. Anne-Marie Caminade
- 4:40pm **Green approaches for the synthesis of nucleotides, their conjugates and analogues**
» Ms. Lucie Appy, Dr. Anaïs Depaix, Dr. Xavier Bantreil, Dr. Frédéric Lamaty, Dr. Suzanne Peyrottes, Dr. Béatrice ROY
- 4:57pm **Attractive new boron, phosphorus and silicon chemistry**
» Dr. Herbert Roesky
- 5:14pm **Tethered η^5 -oxocyclohexadienyl piano-stool ruthenium(II) complexes: catalysts with metal–ligand cooperation for sustainable energy**
» Dr. Emmanuel Puig, Dr. Manel Kechaou-Perrot, Dr. Jean-Marc Sotiropoulos, Dr. Karinne Miqueu, Mr. Raphael Verron, Dr. Cédric Fischmeister, Dr. Pierre Sutra, Dr. Alain Igau
- 5:40pm **Closing speech**
Auditorium