

# Detailed Scientific Programme

Monday 12<sup>th</sup> September

14:00-15:30 Registration

15:30-15:45 Welcome

Chairman: Filipe Monteiro-Silva

## Invited Lecture

15:45 IL1 Craig J. Medforth:  
*Self-Assembled Porphyrin Nanomaterials*

16:20-16:40 Coffee Break

## Lectures

16:40 L1 Andreia Leite, José Almeida, Luís Cunha-Silva, Baltazar de Castro, Maria Rangel, Ana M. G. Silva:  
*Paramagnetic properties of Cu<sup>II</sup> complexes of porphyrinic carboxylate ligands*

17:00 L2 Anabella O. Mocanu, Wylliam Delaunay, Houmam Belaidi, Camille Latouche, Leen E. E. Broeckx, Elie Abou Nakad, Pierre-Antoine Bouit, Jean-François Halet, Abdou Boucekkine, Christian Müller, M. Hissler:  
*Phosphole-based iridium cyclometalated complexes*

17:20 L3 Axel Straube, Peter Coburger, Toni Grell, Evamarie Hey-Hawkins:  
*Redoxactive C<sub>3</sub>-Symmetric Tris-Phosphine Ligands – Synthesis, Characterisation, and Coordination Behaviour*

17:40 L4 Anne Staubitz, Birk Thiedemann, Frank D. Sönnichsen:  
*A BN-Analog of Polystyrene*

18:00-20:00 Welcome Reception & Poster Session

Tuesday 13<sup>th</sup> September

Chairwoman: Evamarie Hey-Hawkins

## Plenary Lecture

09:00 PL1 Frieder Jäkle:  
*New Functional Polymeric Materials Based on Organoboron Building Blocks*

## Lectures

10:00 L5 Beate Steller, Roland C. Fischer, Michael S. Hill, David J. Liptrot:  
*Cages, Rings and Chains: Studies on the Synthesis of Oligostannides*

10:20 L6 Martin Schlögl, Roland C. Fischer, Eva-Maria Gritsch, Stefan Spirk, Hermann Scharfetter:  
*Arylbismuth amides: Versatile reagents for the synthesis of organometallic bismuth compounds*

10:40-11:10 Coffee Break

Chairwoman: Carla Queirós

11:10 L7 Anne-Marie Caminade, Jean-Pierre Majoral:  
*Diversification of the internal structure of phosphorus-containing dendrimers. Recent developments*

11:30 L8 John Popp, Paul Neumann, Anne-Marie Caminade, Evamarie Hey-Hawkins:  
*Dendritic Ferrocenyl Phosphines for Redox-Switchable Catalysis*

**11:50 L9** Christian Rüttiger, David Stock, Sebastian Schöttner, Daniel Scheid, Markus Gallei:  
*Ferrocene-Containing Polymer Structures: Preparation, Immobilization and Applications*

**12:10 L10** Dieter Klintuch, Rudolf Pietschnig:  
*From assembly of  $\pi$ -systems to phospholes with a silicon anchor*

**12:30-14:00 Lunch**

Chairwoman: Luljeta Raka

**14:00 L11** Elena Oleshkevich, Francesc Teixidor, Anna Rosell Novel, Anna Morancho Retana, Arpita Saha, Koen Galenkamp, Clara Viñas:  
*Carboranylphosphinic acids a new class of purely inorganic ligands: Aiming towards future multifunctional materials*

**14:20 L12** Aitziber Iturmendi, Dominik Maderegger, Oliver Brüggemann, Uwe Monkowius, Ian Teasdale:  
*Polyphosphazenes with controlled degradation pathways*

**14:40 L13** José Almeida, Andreia Leite, André M. N. Silva, Luís Cunha-Silva, Baltazar de Castro, Maria Rangel, A. Pilon, Andreia Valente, Ana M. G. Silva:  
*Strategical synthesis of porphyrinic carboxylate ligands as promising photosensitizers for photodynamic therapy of cancer*

**15:00 L14** Leonor Côte-Real, Alejandro P. Soto, Ana S. Viana, M. Helena Garcia, Andreia Valente:  
*Self-assembled polymer-ruthenium micelles: new promising anticancer agents*

**15:20-16:40 Coffee Break & Poster Session**

Chairwoman: Andreia Valente

**16:40 L15** David Nieder, Lukas Klemmer, Anukul Jana, Yvonne Kaiser, David Scheschkewitz:  
*Heavier Vinylidenes: Analogues of Unsaturated Carbenes as Polymer Precursors*

**17:00 L16** Holger Helten, Artur Lik, Lars Müller, Lars Fritze, Nicolas Riensch:  
*Catalytic B-C coupling via Si/B exchange: a versatile route to  $\pi$ -conjugated organoborane oligomers and polymers*

**17:20 L17** Laurence J. Taylor, Brian A. Chalmers, Philip M. Pickett, Matthew J. Ray, Piotr Wawrzyniak, David B. Cordes, Alexandra M. Z. Slawin, J. Derek Woollins, Petr Kilian:  
*Eliminations Across the peri-Gap*

**17:40 L18** Rózsa Szűcs, Pierre-Antoine Bouit, Muriel Hissler, László Nyulászi:  
*Aromaticity pattern in heteroatom modified PAHs*

**19:30-(...) Conference Dinner**

Wednesday 14<sup>th</sup> September

Chairman: David Scheschkewitz

### Plenary Lecture

**09:00 PL2** Ian Manners:  
*Catalytic, Ring-Opening Polymerization, and Self-Assembly Routes to New Inorganic Materials*

### Lectures

**10:00 L19** Matti Haukka:  
*Organizing Molecular Entities in Solid Materials*

**10:20 L20** Antonio Romerosa, Manuel Serrano-Ruiz, Franco Scalambra:  
*The New Polymer 2-D Ru-Ru-Au<sub>4</sub>: a new gel in water*

**10:40-11:10**                      **Coffee Break**

Chairwoman: Luminita Silaghi-Dumitrescu

### Invited Lecture

**11:10**    **IL2**    Cristina Freire:  
*High-performance electrochromic materials based on poly[Ni(salen)]-type polymer films*

### Lectures

**11:45**    **L21**    Carla Queirós, Baltazar de Castro, Chen Sun, Juan Cabanillas-Gonzalez, Luís Cunha-Silva, Ana M. G. Silva:  
*Photoluminescent coordination polymers based on 5-aminoisophthalic acid*

**12:05**    **L22**    Ifeanyichukwu C. Amaechi, Bashiru B. Balogun, Michael I. Nwachukwu, Celia T. Sousa, Gleb N. Kakazei, João P. Araújo, Rose U. Osuji:  
*Thermodynamic properties of conjugated poly(aniline) electrolyte via dielectric relaxation (DR) technique*

**12:25**    **L23**    Luljeta Raka, Maria Oliviero, Zulihaje Ismaili, Andrea Sorrentino, Gordana Bogoeva-Gaceva:  
*Novel polybutylene succinate/expanded graphite nanocomposites: crystallization and thermal properties*

**12:45-14:15**                      **Lunch**

**14:15-14:45**                      **Closing Ceremony & Prizes**

**14:45-(...)**                      **Social Programme (boat trip)**

### Poster Sessions

(Monday 12<sup>th</sup> September + Tuesday 13<sup>th</sup> September)

**P1**    Ilay Ceren Acar, Tarik Eren:  
*Synthesis of phosphorous including copolymers derived via ROMP pathway*

**P2**    A. Aleksovska, H. Zaake-Hertling, A. V. Vinogradov, E. Hey-Hawkins  
*Photoactive metal-organic frameworks – synthesis and applications*

**P3**    Miha Bukleski, Vladimir Ivanovski, Evamarie Hey-Hawkins:  
*Spectroscopic investigation of the polymerization of 3-aminopropyltrimethylsilyl groups on the silica gel surface*

**P4**    Gürkan Sayan, Elif Büşra Çelebi, Ferda Hacivelioglu:  
*Stable Nitroxide Radical Containing Phosphazenes as Electrolyte for Dye Synthesized Solar Cells*

**P5**    Martina Dragičević, Tatjana Antonić Jelić, Srećko Valić:  
*Local Molecular Dynamics in Polyisoprene-Zeolite Composites*

**P6**    Sara Durini, Peter Lönnecke, Evamarie Hey-Hawkins:  
*Luminescent metal-organic frameworks for applications as optical chemical sensors*

**P7**    Jan Fassbender, Rainer Streubel:  
*Oxaphosphirane complex chemistry – A new start for potential polymer building blocks*

**P8**    Justina Gaidukevič, Jurgis Barkauskas, Julija Razumienė, Ieva Šakinytė, Romas Baronas, Karolis Petrauskas:  
*Graphene/(SCN)<sub>n</sub> Composites as Efficient Electrocatalysts for the Oxygen Reduction Reaction*

**P9**    Alexander Gese, Rainer Streubel:  
*On route to 1D-polymers having 1,3-dithiole building blocks*

- P10** Yuselis Castaño Guerrero, Gerardo González-Aguilar:  
*Using dye-doped polymer arrays for food contaminant detection*
- P11** Gürkan Sayan, Elif Büşra Çelebi, Ferda Hacivelioglu:  
*An Alternative Doping Ionomer for  $\pi$ -Conjugated Polymers; Polybis (phenoxy sulfonic acid) phosphazene and PEDOT Conductive Composites*
- P12** Muriel Hissler, PierreAntoine Bouit, Rozsa Szucs, Laszlo Nuylaszi:  
*P-containing Polycyclic Aromatic Hydrocarbons: coordination chemistry and opto-electronic applications*
- P13** Aleksandra Ivanoska-Dacikj, Gordana Bogoeva-Gaceva, Srećko Valić:  
*The use of electron spin resonance spectroscopy in studying chain dynamics of organic-inorganic elastomeric hybrids*
- P14** Gizem Kahraman, Evamarie Hey-Hawkins, Tarik Eren:  
*Synthesis of Phospha-carborane Based Diol Oligomer and Usage in Polyurethane Formulation*
- P15** Andreas Kyri, Rainer Streubel:  
*1,2-oxaphosphetane complexes: novel precursors for P-containing polymers?*
- P16** Filipe Monteiro-Silva, Gerardo G. Aguilar:  
*Novel ionic liquids: a synthesis towards coordination polymers with sensing abilities*
- P17** Elizabeth Mendoza Nozeman, F. Scalambra, P. Lorenzo, M. Serrano-Ruiz, A. Romerosa:  
*Synthesis characterization and antiproliferative activity of the bimetallic complexes  $[RuCp(PPh_3)_2-\mu-dmoPTA-1\kappa P:2\kappa^2 N,N'-MCl_2]$  ( $M = Ni, Co, Zn$ )*
- P18** Carla Queirós, Saleta Balula, Baltazar de Castro, Luís Cunha-Silva, Ana M. G. Silva:  
*Cobalt and 5-aminoisophthalic acid Coordination Polymers: application in olefin oxidation*
- P19** Kristýna Šichová, Jiří Vohlídal:  
*Conjugated metallo-supramolecular polymers with alternating ion couplers*
- P20** Emese Gál, Balazs Brém, Luiza Ioana Găină, Castelia Cristea, Luminita Silaghi-Dumitrescu:  
*Functionalized meso-phenothiazinyl-porphyrins as building blocks for photoactive dendrimers*
- P21** David Stock, Daniel Scheid, Tamara Winter, Gauvin Hemery, Olivier Sandre, Markus Gallei:  
*Magnetic addressable opal structures*
- P22** N. Ceren Suer, Ceren Demir, Melda A. Yapaoz, Ozlem Yalcin, Tarik Eren:  
*Synthetic Mimic of Antimicrobial Host Defense Peptides Derived from ROMP*
- P23** Sabrina Theis, Ian Teasdale, Uwe Monkowius:  
*Phototriggered Degradation of Ruthenium Polymers*
- P24** Andreia Valente, Adhan Pilon, Anabela Sanches, M. Helena Garcia, Fernanda Marques, Ana M. Martins, Luís G. Alves:  
*Functionalization of iron complexes with polymer-based macroligands: application in cancer therapy*
- P25** Savvas Vasileiadis, Zoe Ziaka, M. Dova:  
*Methane and Methanol Steam Reforming in Catalytic Inorganic Membranes for Hydrogen Production and Continuous Fuel Cell Utilization.*
- P26** Zoe Ziaka, A. Tselepi, E. Vasileiadou, Savvas Vasileiadis:  
*Novel inorganic membrane technologies for (poly)-propylene and hydrogen cogeneration*