



Uneven numbers will present at poster session A (Tuesday 23rd July)

Even numbers will present at poster session B (Thursday 25th July)

- | | | |
|-----|----------------------------|---|
| P01 | Karim Abdel Hady | Ethylene/acrylic ester copolymerization by Brookhart-type complexes bearing new aryl alpha-dimine ligands |
| P02 | Sebastian Ahrens | Highly Efficient Cobalt-catalyzed Isomerization of Allylamines |
| P03 | Piotr Andruszak | Cobalt complexes with Schiff base ligands as highly active precatalysts for hydroboration of alkenes and alkynes |
| P04 | Saeed Ataie | Hydroaminoalkylation as a Direct Path to Aminate Polyolefins |
| P05 | Vaishnavi Atreya | Chromium Catalyzed Sustainable C-C and C-N Bond Formation: C-Alkylation and Friedländer Quinoline Synthesis Using Alcohols |
| P06 | Dima Azaiza Dabbah | Heterometallic Transition Metal Oxides Containing Lewis Acids as Molecular catalysts for the Reduction of Carbon Dioxide to Carbon Monoxide with Bimodal Activity |
| P07 | Veronika Badazhkova | Reaction kinetics of the Shvo catalyzed dehydrogenation of 1-phenyl-1,3-propanediol derived lignin model compound |
| P08 | Alicia Beaufils | Selective Olefin Transfer Hydrogenation Of Unsaturated Carbonyls With Ethanol Using PYA Ruthenium(II) Complexes |
| P09 | Fanni Bede | Palladium-catalyzed amino- and alkoxyacylation of ortho-substituted aryl dihalides using heterobifunctional nucleophiles |
| P10 | Roman Belli | Accessing "Inaccessible" 5-Membered Heteroarynes via Coordination Chemistry |
| P11 | Lorenzo Biancalana | Easily available ruthenium(II) isocyanide complexes for the transfer hydrogenation of ethyl levulinate into γ -valerolactone |

POSTERS

- P12 Ines **Blaha** Isomerization of Alkenes by a Novel Mn-BH₄ Complex
- P13 Christian **Blanco** Catalytic Conjugation of Oligonucleotides in Water: New Frontiers via Olefin Metathesis
- P14 Eliza-Jayne **Boisvert** Nanoparticle Decomposition Products in Olefin Metathesis: (Non)Innocence Is Carbene-Dependent
- P15 Satayu **Borsap** Study of Alkoxysilane and Aminosilane in Ethylene- α -olefin Copolymerization Using Ziegler-Natta Catalyst
- P16 Ruqaya **Buhaibeh** Scandium-catalyzed deoxygenation of alcohols and ketones using hydrosilanes as reductants
- P17 M. Fátima **C. Guedes da Silva** Catalytic activity of polynuclear Cu-phenylsilsesquioxanes in oxidations of cyclohexanone and cyclohexane
- P18 Rui **Carrilho** Homogeneously Catalyzed Synthetic Approaches towards Functionalized Photosensitive CO₂-based Polycarbonates
- P19 Valdemiro **Carvalho-Jr** Coupling of mechanistically distinct reactions by an heterobimetallic Ru^{II}/Ni^{II} catalyst for the synthesis of poly(NBE)-co-poly(NBE) via ROMP-addition polymerization
- P20 Adriana **Casagrande** Photocatalytic Reduction of CO₂-to-CO with Iron (II) and Cobalt(II) bis(imidazole)phenylenedimine Complexes
- P21 Osvaldo **Casagrande** Visible-Light Carbon Dioxide Reduction using Iron (II) and Cobalt(II) bis-(pyrazol)phenanthroline Complexes
- P22 Wei-Chieh **Chang** Hydrogenative Depolymerization of Polyurethanes Catalyzed by a Manganese Pincer Complex
- P23 Minserk **Cheong** A Density Functional Study on Electrochemical Reduction of Nitric Oxide to Ammonia by Fe(II) Complexes
- P24 Vishal **Chourasia** Hydrogenation of Ester and Alkynes Catalyzed by a Protic Cobalt(II) Complex Featuring Naphthyridine-Pyrazole Functionality
- P25 Samantha **Cormier** Metallacyclobutanes from Nickel-Alkylidenes: Gateway to Metathesis and Cyclopropanation

POSTERS

- P26 Chiara **Costabile** Steric and Electronic Properties of NHC ligands for Gold(I/III) catalyzed Oxyarylation of Ethylene: A Computational Study.
- P27 Mathew **Cross** Rapid dehydropolymerisation of amine-boranes with ruthenium aminophosphine precatalysts
- P28 Narmin **Dadashova** Comparative investigation of the influence of pH value of the system to the epoxidation of methylcyclopentene in the presence of RE-POM
- P29 Assunta **D'Amato** Alkyne Hydroamination Promoted by NHC Gold(I) Complexes: Activity and Mechanistic Insight
- P30 Linda **De Marchi** Exploring the reactivity of Ytterbium stabilized Pd(IV) alkyl species
- P31 Lionel **Delaude** Caffeine and Theophylline as Bio-based Ligand Precursors for Green Catalysis
- P32 Beatriz **Eleuterio Goi** New Fe(II) complexes bearing tetradentate unsymmetrical N_2O_2 Schiff bases as redox photocatalysts for CRP2
- P33 Elizabeth **Ellison** Tuneable Homogeneous Ruthenium Catalysts for Ethanol Upgrading for Advanced Biofuels
- P34 Johannes Eike **Erchinger** syn-Selective Difunctionalization of Bicyclobutanes Enabled by Photoredox-Mediated C-S σ -Bond Scission
- P35 Roberto **Esposito** Valorization of Levulinic Acid through catalytic esterification with diols mediated by Zn(II)
- P36 Vajk **Farkas** Biodegradable polymer synthesis via olefin metathesis polymerization
- P37 Francesco **Ferretti** Efficient Synthesis of Six-Membered N-Heterocycles via Pd-Catalysis with Formic Acid Derivatives as CO Surrogates
- P38 Anna Maria **Fovanna** Spectroscopic characterization of iminopyridine iron complexes as precatalysts for the polymerization of β -myrcene
- P39 Cyril **Godard** Supported ligand-capped palladium nanocatalysts for the hydrogenation of CO_2 into formate
- P40 Gaetano **Galdi** Mechanistic insights into the 1,2-oxyarylation of ethylene promoted by NHC-Gold(I/III) catalyts.

POSTERS

- P41 Giuseppe **Gravina** Ring opening polymerization of bio-based monomers promoted by new Fe(II) pyridylamido catalysts
- P42 Fabia **Grisi** Olefin Metathesis Ruthenium Catalysts Bearing Unsymmetrical NHC Ligands
- P43 Santiago **Gullón-Moreno** Synthesis of Polycarbonates from Epoxides and CO₂ using a Titanium(III) Aminotrisphenolate Catalyst
- P44 Jack **Heaton** The Potential of Iridium Pincer Complexes for In Crystallo Catalytic Hydromethylation of Ethylene to Propane
- P45 Kilian **Heckenberger** Operando NMR spectroscopic investigation of a Kumada-type iron-catalysed cross-coupling reaction
- P46 Grzegorz **Hreczycho** Cobalt complexes as Earth-abundant catalysts in the synthesis of organometallic compounds
- P47 Yaroslav **Hryhoryev** Phenanthroline-bis(amine) based earth-abundant molecular catalytic systems for CO₂ photoreduction
- P48 Luke **Hudson** Tailoring C–H amination activity via modification of the triazole-derived carbene ligand
- P49 Paweł **Huninik** Regioselective Alkene Hydroboration Enabled by Quaternary Ammonium Salts
- P50 Lucia **Invernizzi** A Natural Bifunctional Catalyst for CO₂ Valorization
- P51 Sachin **Jalwal** Manganese PNP Catalysed (De)hydrogenative C–C and C–N coupling reaction
- P52 Soumyashree **Jena** A Cooperative Cobalt-Based Approach for One-Carbon Extension in the Synthesis of (Z)Silyl Enol Ethers from Aldehydes: Unlocking Regio- and Stereoselectivity
- P53 Chloe **Johnson** In Crystallo synthesis of a gold(I)-acetylene complex
- P54 Cassiem **Joseph** Hydrogen Production from Formic Acid Mediated By Pyridine-Pyrazolyl Ru(II) Complexes: Catalytic Performance and Mechanistic Insights
- P55 Matthias **Käfer** Hydroboration of alkynes catalyzed by a novel Iron(II) PCP Pincer Complex

POSTERS

- P56 Anna **Kajetanowicz** Olefin metathesis: a sustainable methodology for synthesis of valuable compounds with industrial potential
- P57 Tatsuhiko **Kawai** Synthesis of highly fluorinated N-Heterocyclic Carbene and Evaluation of Catalytic Activity of Transition Metal Complexes
- P58 Hendrik **Kempf** Synthesis of Guanamine-Based Ruthenium Pincer Complexes and Their Application in Catalytic (De) hydrogenation Reactions
- P59 Youngsoo **Kim** Photocatalytic Conversion of Lignin Biomass with Noble Metal Nanocatalysts
- P60 Leonie **Koch** Molecular Catalysts Design with a Massively Parallel Physics-Based Computational Workflow
- P61 Jan-Dominik H. **Krueger** In-situ spectroscopic investigations on selective biomass oxidation catalyzed by $H_5PV_2Mo_{10}O_{40}$
- P62 Aiko **Kurimoto** Proton-coupled redox chemistry of colloidal gold nanoparticles
- P63 Hugo **Lapa** Production of terephthalic acid through sustainable catalytic oxidation of p-xylene with new copper(II) C-scorpionates
- P64 Belén **Lerma-Berlanga** Interrupted telomerization reaction with aryl boronic derivatives: reaction scope and mechanistic insights
- P65 Cheuk Long **Li** Application of indole-based monophosphine in ppm level Pd-catalyzed C–N bond formation
- P66 Xin **Liu** Depolymerization of polyester plastics with iodotrimethylsilane
- P67 Alceo **Macchioni** Ir(III) catalysts with carbohydrate ligand for hydrogen and lactic acid production from glycerol
- P68 Frederick **Malan** Reactivity And Catalytic Evaluation of Ruthenium-ONO Complexes Featuring C-, N-, And P-Based Ligands
- P69 Marcelino **Maneiro** Electrochemical conversion of 5-hydroxymethylfurfural to 2,5-furandicarboxaldehyde using Mn(III)-Schiff base catalysts
- P70 Kazushi **Mashima** Ring-opening Arylation of 7-Oxabenzonorbordienes Catalyzed by Low-valent Chromium(I) Species

POSTERS

- P71 Vitaliy **Masliy** One-pot halogen-selective dicarbonylation of 1-bromo-4-iodobenzene using pharmaceutically relevant nucleophiles
- P72 Rita **Mazzoni** Molecular catalyzed alcohol homologation: new perspective for the greener and the faster Guerbet reaction
- P73 Massimo **Melchiorre** Lactic acid dioxolanes as biobased solvent candidates: from catalytic synthesis to application as reaction media
- P74 Giammarco **Meloni** Hybrid bis(N-heterocyclic carbene)-bis(phenolate) ligands: coordination chemistry to abundant TM and catalysis
- P75 Sakshi **Mohan** The dehydrocoupling between hydrosilanes and terminal alkynes with barium catalyst
- P76 Takahiro **Morikawa** Synthesis of Novel MICs with Triaryl Structure and Evaluation of their Catalytic Activity
- P77 Márton **Nagyházi** The effect of copper(I) salts on the ruthenium-catalyzed tandem isomerization metathesis (ISOMET) of long-chain olefins
- P78 Fatemeh **Niknam** Mononuclear and dinuclear [OSSO]-type metal complexes for coupling of CO₂ with epoxides
- P79 Edelberto Oscar **Niola** Artificial heme-enzymes for biomass conversion
- P80 Matthias **Nobis** Polyethylene Ketones with controlled spacer units: Synthesis, Characterization and Photodegradation
- P81 Diego **Olivieri** Room-Temperature Alkoxy carbonylation of Styrenes Promoted by Aryl α -Diimine/Palladium(II) Complexes
- P82 Noemi **Pagliaricci** Rh(III) and Ir(III)- Arene Complexes containing Pyrazolone-Based Hydrazones Ligands as suitable catalysts for tandem Oxidation-Knoevenagel condensation reactions
- P83 Sara **Pagliaricci** Exploring the catalytic potential of novel organometallic Ru(II)-arene complexes with pyrazolone-based hydrazone ligands
- P84 Saikat **Pal** Ligand Switchable Coordination and PRU Driven Catalytic C-C Bond Formation with Alcohol on a Mn(CO)₃ Complex

POSTERS

- P85 Sourav **Pal** Wacker-type Aerobic Oxidation of Olefins Catalysed by an Iron(II) Complex: Intermediacy of an Oxo-Bridged Diiron(III) Species in the Catalytic Cycle
- P86 Benedetta **Palucci** Iron hydrometallation initiation for radical polymerization of polar olefins
- P87 Oscar **Pàmies** Chiral tetrahydrofuran-fused spirocyclic scaffolds via Pd-catalyzed [3+2] cycloaddition reaction. From batch to flow
- P88 Prabhakar **Pandey** A Single Terminal [Ni^{II}-OH] Catalyst for Direct Julia-Type Olefination and α -Alkylation Involving Sulfones and Alcohols
- P89 Moumita **Patra** A Water-Soluble Protic Mn(I)-NHC Complex for Reversible CO₂ Hydrogenation and Formic Acid Dehydrogenation in Aqueous Medium
- P90 Fritz **Paulus** Visible-Light Photocatalyzed peri-[3+2] Cycloaddition of Azaarenes
- P91 Fairoosa **Poovan** Catalytic valorization of vegetable oils, polymers, and waste plastics to amines
- P92 Vladimir **Potapov** Catalytic Selective Approaches to New Families of Heterocyclic and Functionalized Organoselenium Compounds Based on Selenium Dihalides
- P93 Chang **Qiao** Synthesis of endo-Cyclic Carbonates from exo- Cyclic Carbonates
- P94 Akilan **Rajamani** Theoretical investigation of Aromatic Cope rearrangement catalyzed by Gold
- P95 Richard **Ramos** Unsymmetrical NHC Ligands: Reconciling Catalyst Accessibility and Productivity in Olefin Metathesis?
- P96 Francesco **Ravera** Beyond hydroarylation: alternative pathways in the gold-catalyzed reaction of phenols with alkynes
- P97 Esaie **Reusser** Rational ligand design affords ultra-fast and selective ketone α -arylation Pd catalyst
- P98 Bernd **Rienhoff** Combination of Switchable Solvents and Catalysts for High Reactivity and Efficient Product / Catalyst Separation

POSTERS

- P99 Giacomo **Rigoni** Accelerating transfer hydrogenation of sterically hindered ketones with a novel mono-substituted aminocarbene (MAC) ruthenium complex
- P100 Jakub **Robaszkiewicz** Solvent coordination enables Negishi benzylation in a ligandless cobalt-based catalytic system
- P101 Thomas **Roth** For a World That's Bright, Don't Ignite, Use the Biodiesel Right - Sustainable Platform Chemical for Homogeneous Catalysis
- P102 Giovanni **Rubello** NHC-Au(I) complexes with long alkyl chain for catalysis in confined space
- P103 Fátima **Sanz Azcona** From models to Lignin depolymerization. Photocatalysis using V-aminotriphenolate complexes
- P104 Heiko **Schratzberger** Hydrofunctionalization reactions catalyzed by a pyrazole-derived Fe(II) PCP alkyl dicarbonyl complex
- P105 Edward **Shellard** Al(III)/K(I) Heterodinuclear Catalysts to make Oligoester Polyols by Ring Opening Copolymerization of Epoxides and Anhydrides
- P106 Hiroto **Shigematsu** Urea Synthesis under Atmospheric Carbon Dioxide Pressure by Phosphorus Organic Catalyst
- P107 Amravati Singh **Shivaji** Cyclododecene isomeric separation by (supported) rhodium (I)-catalysed selective dehydrogenative borylation reaction
- P108 Yannick **Stöckl** Sustainable hydrogenation of bio-based molecules towards value-added chemicals of interest to industry
- P109 Hui-Ling **Sung** Pyrazine Plays as the Catalyst to Influence the Conformation of Barium Coordination Polymer
- P110 Andrew **Swarts** Efficient formic acid dehydrogenation with novel pyridyl-formamidine ligated Ru(II) complexes
- P111 Adrian **Sytniczuk** Application of metathesis in the synthesis of valuable products from renewable raw materials
- P112 Bartłomiej **Szarlan** Nickel(II) salen complexes as precatalysts for alkene hydrosilylation
- P113 Florian **Thurnher** New iron alkyl and hydride PNP pincer catalysts

POSTERS

- P114 **Sergey Tin** 2,5-Dioxohexanal as a new bio-based building block for the synthesis of aromatics
- P115 **Federica Tufano** Sustainable Polyesters and Polycarbonates through Ring-Opening Polymerization by NHC-based Biometals Complexes
- P116 **Chloe van Beek** In control: A kinetics and mechanistic study of an Ir(POCOP) catalyst for the controlled synthesis of polyaminoboranes.
- P117 **Maria S. Viana** Triazolylidene Nickel Complexes with a Pendant Amino Group for Catalytic Cycloaddition of CO₂ to Epoxides
- P118 **Hannes Wegener** Primary amines from alkenes and carbonyl compounds: Highly selective hydrogenation of oximes using a homogeneous Ru-catalyst
- P119 **Katharine Welch** The Development of New Ferrocene-Containing Ligands for Redox-Switchable Homogeneous Catalysis.
- P120 **Christopher Whiteoak** Exploring the Potential of Complexes of the Heavier Group 13 Elements in Catalysis: Cyclic Carbonate Synthesis as an Example
- P121 **Rebecca Willans** Developing Advanced Hyphenated Analytical Techniques to Quantify Iridium Speciation for Sustainable Catalysis
- P122 **Jiajun Wu** Rhodium Catalyzed Stereo-Selective Hydrogenation of Internal Alkynes
- P123 **Lukas Wursthorn** New Neutral Nickel(II) Catalysts for the Copolymerization of Ethylene and CO to Photodegradable Keto-Polyethylenes
- P124 **Yifei Zhou** Synthesis and Reactivity of Ru(BINAP)(PPh₃)
- P125 **Daniel Zobernig** NHC-based Manganese(I) Alkyl Complexes for Hydrogenation and Hydrofunctionalization Reactions
- P126 **Daniele Zuccaccia** Synthesis and application in catalysis of Ru complexes via mechanochemistry route
- P127 **Marta Busato** Transfer Hydrogenation of Biomass Derived Carbonyl Compounds Catalyzed by Diphosphine Ruthenium and Osmium Complexes