	The 27th International Conference on Organometallic Chemistry **SUNDAY 17 July 2016 - FRIDAY 22 July 2016** **Melbourne Convention and Exhibition Centre**
	Sunday 17 July 2016
15:00-18:00	**Registration Open** **Registration and Information Desk** **Level 1 Foyer**
	Level 1 - Rooms 105 & 106
17:30-19:00	**Welcome Reception**

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Program is current as at 18 July 2016

	Monday 18 July 2016					
07:30-08:30	**Registration Open** Registration and Information Desk - Level 1 Foyer					
	Ground Floor - Plenary 1					
08:30-09:00	**Opening Ceremony**					
09:00-10:00	Plenary Session 1 New avenues in frustrated Lewis pair catalysis **Prof Doug Stephan (University of Toronto, Canada)** *Chairperson: Prof Mark Humphrey (Australian National University, Australia)*					
10:00-10:30	**Morning Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					
Room	**Level 1 - Rooms 101 & 102**	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting **Bioinorganic Chemistry & Metals in Medicine** *Chairperson: Prof Tony Wedd (University of Melbourne, Australia)*	**Parallel Session 1A** **Main Group Chemistry** *Chairperson: A/Prof Lou Rendina (University of Sydney, Australia)*	**Parallel Session 1B** **Structure and Reactivity** *Chairperson: Prof Maria Jose' Calhorda (Universidade de Lisboa, Portugal)*	**Parallel Session 1C** **f-Block Chemistry** *Chairperson: Prof Philip Mountford (Oxford University, United Kingdom)*	**Parallel Session 1D** **Applications in Catalysis** *Chairperson: Dr Luca Gonsalvi (Isituto di Chimica dei Composti Organometallici, Italy)*	**Parallel Session 1E** **Applications in Asymmetric Synthesis** *Chairperson: Prof Barbara Messerle (University of New Southy Wales, Australia)*
10:30-10:50	10:30 - 11:30 IC Plenary 1 X-ray spectroscopic studies of nitrogenase and hydrogenase active sites **Prof Serena DeBeer (Max Planck Institute for Chemical Energy Conversion, Germany)**	Chiral complexes of group 4 and 14 elements with tridentate ligands as model systems for transition metal catalysts **Dr Uwe Böhme (Institut für Anorganische Chemie TU Bergakademie Freiberg, Germany)**	Organometallic aspects of fluoroalkylation reactions **Prof David Vicic (Lehigh University, United States of America)**	Polynuclear polyhydrido thorium complexes consisting of "$CpThH_3$" units **Prof Jianhua Cheng (CIAC, China)**	Direct catalytic chemoselective alpha-amination of acylpyrazole **Prof Takashi Ohshima (Kyushu University, Japan)**	Group 10-metal catalyzed copolymerization of olefins with polar monomers **Prof Kyoko Nozaki (Department of Chemistry and Biotechnology University of Tokyo, Japan)**
10:50-11:10		Polyhedral metallaboranes with group 15 heteroatoms **Dr Alexandru Lupan (Babeș-Bolyai University Faculty of Chemistry, Romania)**	Organometallic compounds with homolytically weak metal-carbon bonds: new pathways in radical chemistry **Prof Rinaldo Poli (CNRS-LCC, France)**	Thorium(III) small molecule activation **Dr David Mills (University of Manchester, United Kingdom)**	Palladium-catalyzed regioselective arylation of pyrazolo[1,5-a]-pyridines via C-H activation and synthetic applications on p38 kinase inhibitors **Prof Jean-Ho Chu (National Sun Yat-sen University, Taiwan)**	

11:10-11:40		The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Number Group 14 Complexes **Prof Cameron Jones (Monash University, Australia)**	The remarkable redox-triggered dimerization of some alkynylphosphines featuring Fe(CC-)(dppe)Cp* susbtituents: mechanism and outcomes **Prof Frédéric Paul (University of Rennes 1/CNRS (UMR 6226), France)**	Catalytic stibine dehydrocoupling versus antimony-ligated dysprosium single-molecule magnets **Prof Richard Layfield (University of Manchester, United Kingdom)**	Palladium-catalysed reactions of aziridines and cyclopropanes **Dr Christopher Hyland (University of Wollongong, Australia)**	Unusual NHC-iridium complexes and their use in the hydroamination reaction **Prof Reto Dorta (University of Western Australia)**
11:30						
11:40-12:00	Enzymatic thiol dioxygenation **A/Prof Guy Jameson (Department of Chemistry University of Otago, New Zealand)**	Transition metal catalyzed cage B-H activation and functionalization of carboranes **Prof Zuowei Xie (The Chinese University of Hong Kong)**	The synthesis and applications of phosphorus analogues of urea **Mr Andrew Jupp (University of Oxford, United Kingdom)**	Multi-electron small molecule activation with f-block organometallics **Prof Polly Arnold (University of Edinburgh, United Kingdom)**	Heterogeneous synergistic catalysis: silica-supported Pd-bisphosphine complex and strong organic base for allylation reaction **Dr Ken Motokura (Tokyo Institute of Technology, Japan)**	Copper(I)-catalyzed asymmetric C-H amination of alkenes **Dr Radhey Srivastava (University of Louisiana at Lafayette, United States of America)**
12:00-12:20	Light-activated metallodrugs for selective tumour targeting **Dr Anna Renfrew (University of Sydney, Australia)**	Chemistry of highly reactive boron compounds: reactions of boryl anion as a base and unsymmetrical diborane(4) towards triple bond species **Prof Makoto Yamashita (Chuo University, Japan)**	Chelating σ-aryl and related post-metallocenes: unusual reaction pathways and intramolecular interactions **Dr Michael C W Chan (City University of Hong Kong)**		Arene-ruthenium complexes for catalytic transformation of bio-derived furans to open-ring components: activity tuned by simple nitrogen based ligands **Dr Sanjay Kumar Singh (Indian Institute of Technology (IIT) Indore, India)**	Exploration of palladium catalysis: discovery and surprise **Prof Jianrong Steve Zhou (Nanyang Technological University, Singapore)**
12:20-12:40	Bifunctional copper-64 chelators for positron emission tomography **Dr Brett Paterson (University of Melbourne, Australia)**	Derivatives of elements based on polydentate ligands: synthesis, structure, application **Dr Kirill Zaitsev (N.D. Zelinsky Institute of Organic Chemistry Russian Academy of Sciences, M. V. Lomonosov Moscow State University, Russian Federation)**	Exploration of π-bond activation using cationic arena Ru/Os complexes supported by beta-diketiminato, -ketiminato and -ketano ligands **Dr Andrew Phillips (University College Dublin, Ireland)**	Organometallic phosphides and arsenides of the rare earth elements **Prof Peter Roesky (Karlsruher Institut für Technologie (KIT), Germany)**	Cu(II)-catalysed facile construction of polycyclic indolines and its applications **Prof Yong Tang (Shanghai Institute of Organic Chemistry, China)**	The synthesis of chiral PCP and NCsp$_3$E palladium pincer complexes via a catalytic asymmetric hydrophosphination reaction **Ms Wee Shan Tay (Nanyang Technological University, Singapore)**
12:40-14:10	**Lunch, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					
Room	**Level 1 - Rooms 101 & 102**	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting *Chairperson: Prof George Koutsantonis (University of Western Australia)*	**Parallel Session 2A** **Main Group Chemistry** *Chairperson: Prof Simon Aldridge (Oxford University, United Kingdom)*	**Parallel Session 2B** **Structure and Reactivity** *Chairperson: Prof Reto Dorta (University of Western Australia, Australia)*	**Parallel Session 2C** **f-Block Chemistry** *Chairperson: Dr Max Massi (Curtin University, Australia)*	**Parallel Session 2D** **Applications in Catalysis** *Chairperson: Dr Christopher Hyland (University of Wollongong, Australia)*	**Parallel Session 2E** **Applications in Asymmetric Synthesis** *Chairperson: Prof Maria Jose Calhorda (Universidade de Lisboa, Portugal)*
14:10-14:30	**Stranks Presentations:**	Reactivity of various nitriles with main group metal species **Prof Ales Ruzicka (University of Pardubice, Czech Republic)**	Bimetallic pentalene sandwich complexes: exploiting metal–metal interactions for small molecule activation **Dr Alexander F. R. Kilpatrick (University of Oxford, United Kingdom)**	Synthesis, structure and reactivity of rare-earth metallacyclopentadienes **Prof Wenxiong Zhang (Peking University, China)**	Single and double coordination mechanism in ethylene tri- and tetramerisation with Cr catalysts **Dr David Mcguinness (University of Tasmania, Australia)**	P(O)R_1R_2-directed asymmetric C-H functionalizations **Prof Shangdong Yang (State Key Laboratory of Applied Organic Chemistry in Lanzhou University, China)**

14:30-14:50	**Miss Stephanie Boer (Monash University, Australia)** **Miss Chiara Caporale (Curtin University, Australia)** **Miss Gemma Gransbury (University of Melbourne, Australia)**	Synergistic second generation metallation chemistry **Prof Robert Mulvey (University of Strathclyde, United Kingdom)**	Activation of methane at an unsaturated niobium center **Prof Michel Etienne (Laboratoire de Chimie de Coordination CNRS and Université Paul Sabatier, France)**	Synthesis and physicochemical properties of uranyl complexes with bulky silylamide ligands **Dr Fabrizio Ortu (University of Manchester, United Kingdom)**	Highly functional group tolerance in ruthenium-catalysed transfer hydrogenation of olefins using formic acid **Mr Grzegorz Zieliński (Institute of Organic Chemistry PAS, Poland)**	Synthesis of N-aryl phosphoramidite ligands and application of their iridium-complexes in asymmetric allylic substitution reactions **Prof Shu-Li You (Shanghai Institute of Organic Chemistry, China)**
14:50-15:10			Homo- and heteroleptic gold complexes based on bidentate N-heterocyclic carbene ligands: some features of the photophysical properties **Dr Elena Grachova (St. Petersburg State University, Russian Federation)**	Oxygen-coordination induced syndioselective polymerization of polar ortho-alkoxystyrenes with quinolyl anilido yttrium precursor **Dr Dongtao Liu (Changchun institute of applied chemistry, China)**	Pd-catalyzed regioselective borylative ring-opening of aziridines **Prof Youhei Takeda (Osaka University, Japan)**	Catalytic asymmetric synthesis of natural products using Ir-catalyzed Tishchenko-type reaction **Dr Takeyuki Suzuki (The Institute of Scientific and Industrial Research Osaka University, Japan)**
15:10-15:40	**Stranks Presentations:** **Mr Ross Hogue (University of Otago, New Zealand)** **Mr Lachlan McInnes (University of Melbourne, Australia)** **Mr Dan Preston (University of Otago, New Zealand)**	Catalytic and stoichiometric bond-forming reactions using main group metals **Prof Dominic Wright (Cambridge University, United Kingdom)**	Dye-modified platinum emitters: from antennas to multiple emissions **Prof Rainer Winter (Universität Konstanz, Germany)**	New Ln(II) and Ln(III) alkyl and hydrido complexes: synthesis, selective C-H bond activation reactions and catalytic applications **Dr Alexander Trifonov (IOMC RAS, Russian Federation)**	Gold vinylidenes and related compounds **Prof A. Stephen K. Hashmi (Universität Heidelberg, Germany)**	Recent progress in enantioselective Pd-sprix catalysis **Prof Hiroaki Sasai (ISIR Osaka University, Japan)**
15:40-16:00		Synthesis and reactivity of novel carboryne precursor carboranyl triflate **Prof Zaozao Qiu (Shanghai Institute of Organic Chemistry, China)**	Nitrogen fixation on iron and ruthenium phosphine complexes **Dr Hsiu Li (University of New South Wales, Australia)**	Synthesis and characterization of rare-earth metal imide complexes **Dr Dorothea Schädle (University of Tuebingen, Germany)**	Photoredox catalysis: trifluoromethylation and beyond **Prof Munetaka Akita (Tokyo Institute of Technology, Japan)**	On the symmetry of chiral dirhodium(II) carboxylate catalysts: enantioselectivity relevance and insights **Dr Frady Gouany (University of Canberra, Australia)**
16:00-16:20		Synthesis and structural studies of aryl-NHC stabilized trimethyl group 13 complexes **Dr Felipe Garcia (Nanyang Technological University, Singapore)**	Novel heteroatom functionalised carbyne complexes via halocarbyne umpolung **Prof Anthony Hill (Australian National University, Australia)**	Probing the reactivity of the Ce=O multiple bond in a cerium(IV) oxo complex **Dr Yat-Ming So (HKUST, Hong Kong)**		
16:20-16:50	**Afternoon Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					
Room	**Level 1 - Rooms 101 & 102**	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting **Solid State Chemistry and Nanochemistry** *Chairperson: Prof Mark Ogden (Curtin University, Australia)*	**Parallel Session 3A** **Main Group Chemistry** *Chairperson: Dr Maurizio Peruzzini (ICCOM CNR, Italy)*	**Parallel Session 3B** **Structure and Reactivity** Chairperson: *Prof Kyoko Nozaki (University of Tokyo, Japan)*	**Parallel Session 3C** **Transition Metal Complexes** *Chairperson: Prof Michael Fryzuk (University of British Columbia, Canada)*	**Parallel Session 3D** **Applications in Catalysis** *Chairperson: Dr Wen-Hua Sun (Chinese Academy of Sciences, China)*	**Parallel Session 3E** **Applications in Catalysis** *Chairperson: Prof Ian Manners (University of Bristol, United Kingdom)*
16:50-17:10	Continuous flow synthesis of materials under high shear and field effects **Prof Colin Raston (Flinders Univetrsity, Australia)**	Complexes containing M-E (M = W and U; E = P, As and Sb) multiple bond stabilized by trisamidoamine ligands **Dr Gábor Balázs (University of Regensburg, Germany)**	Design of sulfur-based ligands for selective extraction of gold from low-grade gold ore using a simultaneous leaching and solvent extraction system **Prof Stephen Foley (University of Saskatchewan, Canada)**	Synthesis of Heterocycles Cyclizations, Rearrangements and Functionalizations	Preparation of well-defined supported metallo N-heterocyclic carbene complexes by a combined approach of material chemistry and surface organometallic chemistry **Dr Chloe Thieuleux (CNRS-C2P2 UMR 5265, France)**	Iridium-catalyzed selective reductive cleavage of unstrained C-C bonds: insight into the catalytic cycle **Dr Alexey Sergeev (University of Liverpool, United Kingdom)**

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17:10-17:30	Core shell@LDH solid catalysts for polymerisation **Dr Jean-Charles Buffet (University of Oxford, United Kingdom)**	π-d electron communications between two ferrocenyl groups and bridging double-bond of heavier group 15 elements **Prof Takahiro Sasamori (Kyoto University, Japan)**	Synthesis and reactions of multiproton-responsive complexes bearing pyrazole and N-Heterocyclic carbene arms **Prof Shigeki Kuwata (Tokyo Institute of Technology, Tokyo)**	**Dr Janine Cossy (ESPCI Paris Tech, France)**	Bi- and tri-dentate N-donor functionalized mesoionic carbene ligands for catalytic application in selective alkyne functionalizations **Dr Daniela Bezuidenhout (Chemistry Department University of Pretoria, South Africa)**	Cationic indenyl complexes of Fe, Rh and Ir: synthesis, reactivity and catalytic applications **Prof Dmitry Loginov (A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russian Federation)**
17:30-17:50	Mechanochemical syntheses of main group compounds **Dr Felipe Garcia (Nanyang Technological University, Singapore)**	On the way to stibinidenes and bismuthinidenes as ligands for transition metals **Dr Libor Dostál (University of Pardubice, Czech Republic)**	Structure and reactivity of bismuth compounds bearing nitrogen donor ligands **A/Prof Ajay Venugopal (Indian Institute of Science Education and Research Thiruvananthapuram (IISER TVM), India)**	On the way towards humerothery phase-inspired intermetalloid clusters: synthetic principles and precursor design **Ms Jana Wessing (Ruhr-University Bochum, Germany)**	Synthesis and catalytic activity of unusual C(sp_3)-carbometalated compounds: pincer complexes versus their C_3-symmetric analogues **Prof Dmitri Gelman (The Hebrew University, Israel)**	Supported catalysts for the selective dimerisation of ethylene **Mr Christopher Wright (University of Oxford, United Kingdom)**
17:50-18:10	Coordination-driven self-assembly and charge-driven electro-crystallization Synthesis of arylethynylpyridinyl copper(i) complexes **Prof Muhammad Salahuddin Khan (Sultan Qaboos University, Oman)**	Thermally induced generation of frustrated Lewis pairs from shelf-stable carbene borane complexes **Prof Yoichi Hoshimoto (Osaka University, Japan)**	Rapid and reversible deformation of ferrocene-/ruthenocene-containing pseudorotaxane crystals induced by light **Mr KaiJen Chen (National Tsing Hua University, Taiwan)**	Dinuclear metal complexes from coordinated B-functionalized isocyanides **Mr Martin Meier (University of Münster, Germany)**	Borylation reactions with pincer complexes **Prof Oleg Ozerov (Texas A&M University, United States of America)**	Heterogeneous and catch release catalysis for green synthesis **Prof David Young (Faculty of Science Health Education and Engineering University of Sunshine Coast, Australia)**
18:10	**Session End**					

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	Tuesday 19 July 2016						
08:00 - 08:30	**Registration Open** Registration and Information Desk - Level 1 Foyer						
	Ground Floor - Plenary 1						
08:30-09:30	Plenary Session 2 Isolation of catalytically active species hitherto believed to be only transient intermediates and consequences **Prof Guy Bertrand (Department of Chemistry and Biochemistry University of California San Diego, United States of America)** *Chairperson: Prof Cameron Jones (Monash University, Australia)*						
Room	**Level 1 - Room 101**	**Level 1 - Room 102**	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting **Metalloproteins** *Chairperson: Dr Rosalie Hocking (James Cook University, Australia)*	**IC Division Meeting** **Molecular Magnetism** *Chairperson: A/Prof Colette Boskovic (University of Melbourne, Australia)*	**Parallel Session 4A** **Main Group Chemistry** *Chairperson: Prof Ales Ruzicka (University of Pardubice, Czech Republic)*	**Parallel Session 4B** **Transition Metal Complexes - Proudly sponsored by the Royal Society of Chemistry** *Chairperson: Prof Petr Stepnicka (Charles University in Prague, Czech Republic)*	**Parallel Session 4C** **Various Themes** *Chairperson: Prof Polly Arnold (University of Edinburgh, United Kingdom)*	**Parallel Session 4D** **Applications in Catalysis** *Chairperson: Prof Munetaka Akita (Tokyo Institute of Technology, Japan)*	**Parallel Session 4E** **Various Themes** *Chairperson: Dr Deryn Fogg (University of Ottawa, Canada)*
09:30-10:00	Investigation of the mechanism of different P450 reactions using a single enzyme **Dr Stephen Bell (University of Adelaide, Australia)**	Targeting multi-stepped spin crossover transitions **Ms Katrine Zenere and Dr Suzanne Neville (University of Sydney, Australia)**	Synthesis and Coordination Chemistry of Cationic 5-Phosphonio-substituted N-heterocyclic Carbenes (NHCs) and Olefins (NHOs) **Prof Jan Weigand (Dresden University of Technology, Germany)**	PBP pincer complexes: diversity of structures and reactivity **Prof Oleg Ozerov (Texas A&M University, United States of America)**	Bridging the gap - using mass spectrometry to: (1) direct the synthesis of metal clusters; (2) discover new metal catalysts; (3) invent new metal mediated reactions **Prof Richard O'Hair (School of Chemistry The University of Melbourne, Australia)**	Palladium-catalysed direct arylation polymerization: a simple yet highly efficient method of synthesizing π-conjugated polymers **Prof Fumiyuki Ozawa (Kyoto University, Japan)**	Phosphorus stabilised rare earth methanediides: structure, bonding, and magnetism **Prof Steve Liddle (University of Manchester, United Kingdom)**
10:00-10:20	XAS spectroelectrochemistry: reliable measurements from redox proteins at room temperature? **Dr Stephen Best (University of Melbourne, Australia)**	Surface attachment of magnetically bistable molecules **Dr Humphrey Feltham (University of Otago, New Zealand)**	White, red & black: playing with elemental phosphorus from organometallic chemistry to innovative materials **Dr Maurizio Peruzzini (ICCOM CNR, Italy)**	Synthesis and electronic properties of hexabenzocoronene-metal complex hybrids **Dr Nigel Lucas (University of Otago, New Zealand)**	Cationic transition metal alkane complexes: observation and characterization **Dr Graham Ball (University of New South Wales, Australia)**	Development of high-valent iron catalysis for C-H activation **A/Prof Laurean Ilies (University of Tokyo, Japan)**	Amido- and phosphidozirconocene cations: structure, reactivity, catalysis and application to frustrated Lewis pair chemistry **Dr Adrien Normand (ICMUB-Université de Bourgogne, France)**
10:20-10:50	**Morning Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer						

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Room	Level 1 - Room 101	Level 1 - Room 102	Level 1 - Room 103	Level 1 - Room 104	Level 1 - Room 107	Level 1 - Room 108	Ground Floor - Room Plenary 1
	IC Division Meeting **Bioinorganic Chemistry & Metals in Medicine** *Chairperson: A/Prof Paul Donnelly (University of Melbourne, Australia)*	**IC Division Meeting** **Coordination Polymers/ Metal Organic Frameworks** *Chairperson: Dr Deanna D'Alessandro (University of Sydney, Australia)*	**Parallel Session 5A** **Various Themes** *Chairperson: Prof Florence Mongin (University of Rennes 1, France)*	**Parallel Session 5B** **Transition Metal Complexes - Proudly sponsored by the Royal Society of Chemistry** *Chairperson: Prof Shie-Ming Peng (National Taiwan University, Taiwan)*	**Parallel Session 5C** **Reactivity, Structure and Theory** *Chairperson: Dr Pradeep Mathur (Indian Institute of Technology Indore, India)*	**Parallel Session 5D** **Applications in Catalysis** *Chairperson: Prof Yong Tang (Shanghai Institute of Organic Chemistry, China)*	**Parallel Session 5E** **Transition Metal Complexes** Chairperson: Prof Zuowei Xie (The Chinese University of Hong Kong, Hong Kong)
10:50-11:10	Fluorescent sensors for studying the interactions of inorganic pharmaceuticals with cells **Dr Elizabeth New (University of Sydney, Australia)**	Post-synthetic metalation of metal-organic frameworks **A/Prof Christopher Sumby (University of Adelaide, Australia)**	Cyclopropyl derivatives of s-block metals **Prof Michel Etienne (Laboratoire de Chimie de Coordination CNRS and Université Paul Sabatier, France)**	Palladium complexes featuring ambiphilic diphosphinoborane ligands – application in catalysis and access to diphosphinoboryl pincer complexes **Dr Michael Tauchert (RWTH Aachen University, Germany)**	Unusual polyhedra in carbalane structures **Prof R. Bruce King (University of Georgia, United States of America)**	Iron catalysed atom transfer radical addition reactions **Dr Sara Kyne (School of Chemistry University of Lincoln, United Kingdom)**	Recent developments in the chemistry of transition metal complexes coordinated by low-valent silicon and germanium species **Prof Hiromi Tobita (Tohoku University, Japan)**
11:10-11:30	Protein surface recognition by oligonuclear polypyridylruthenium(II) complexes as a new approach to therapeutic drugs **Prof Richard Keene (University of Adelaide, Australia)**	Local structure of disordered metal-organic frameworks **Dr Anthony Philips (Queen Mary University of London, United Kingdom)**	Organometallic derivatives of sulfur-substituted carboranes **Prof Vladimir Bregadze (A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Federation)**	Group 10 metal complexes stabilized by the Mo-Mo quintuple bond **Prof Yi-Chou Tsai (National Tsing Hua University, Taiwan)**	Converting propene into petrol at ambient temperature and pressure: how does it work? **Dr Jörg Saßmannshausen (University College London, United Kingdom)**	Iron catalyzed C-H borylation **Dr Jean-Baptiste Sortais (Université de Rennes 1, France)**	
11:30-12:00	Substrate binding and activation of nature's water splitting catalyst **Dr Nicholas Cox (MPI for Chemical Energy Conversion, Germany)**	Controlling chirality and interpenetration in supramolecular materials **Dr David Turner (Monash University, Australia)**	Normal and abnormal reactions of N-heterocyclic carbenes with phospha-alkenes **Prof Derek Gates (University of British Columbia, Canada)**	Carbon-carbon bond cleavage and transformation of organic molecules on titanium **Prof Tamotsu Takahashi (Hokkaido University, Japan)**	A DFT mechanistic journey into the world of CO_2 activation **Prof Laurent Maron (CNRS INSA UPS UMR 5215 LPCNO, France)**	Silver catalyzed carbon dioxide incorporation reactions **Prof Tohru Yamada (Keio University, Japan)**	Chemistry of metal-sheet sandwich complexes **Prof Tetsuro Murahashi (Tokyo Institute of Technology, Japan)**
12:00-12:20	High-affinity, redox-silent copper binding of β-amyloid – a thorn in the side for the metals hypothesis of Alzheimer's disease **Dr Simon Drew (University of Melbourne, Australia)**	Probing charge transfer in donor-acceptor materials **Miss Chanel Leong (University of Sydney, Australia)**	From molecular gyroscopes to homeomorphic isomerization: new molecular topologies associated with macrocyclic dibridgehead diphosphines **Dr John Gladysz (Texas A&M University, United States of America)**	Utilising extremely bulky amide ligands to stabilise two- coordinate transition metal(0) complexes with unsupported transition metal-magnesium bonds **Dr Jamie Hicks (Monash University, Australia)**	Dative bonding in low-coordinated compounds of boron and group-14 atoms C - Sn **Prof Gernot Frenking (Manuel Lardizabal Ibilbidea, Spain)**	Bicarbonate / formic acid hydrogenation / dehydrogenation catalyzed by novel Fe and Ru complexes for efficient chemical hydrogen storage and release **Dr Luca Gonsalvi (Consiglio Nazionale delle Ricerche Istituto di Chimica dei Composti Organometallici (CNR-ICCOM) Sesto Fiorentino (Florence), Italy)**	Facile displacement of η^5 cyclopentadienyl ligands from 18-electron half-sandwich alkyl, NHC-nickel complexes: original routes to 16- or rare 14-electron nickel(II) complexes **A/Prof Vincent Ritleng (Université de Strasbourg, France)**
12:20-12:40	Synthesis, characterisation and cytotoxicity of alkyl-, aryl- and ferrocenyl-substituted indoles **Dr Tei Tagg (Universiti Malaysia Terengganu, Malaysia)**	Exploiting redox-active frameworks incorporating triarylamines for multifunctional materials design **Dr Carol Hua (University of Sydney, Australia)**	1,2-Diphosphonium dication: a strong P-based Lewis acid in frustrated Lewis pair activations of B-H, Si-H, C-H and H-H bonds **Ms Julia Bayne (University of Toronto, Canada)**	Heterobimetallic complexes by coordination of N-heterocyclic carbene complexes **Mr Michael Tegethoff (Westfälische Wilhelms-Universität Münster, Germany**			Platinum group complexes with stibine ligands: structure, reactivity and unprecedented triple bridging coordination mode of trimethylantimony **Dr Sophie Benjamin (Nottingham Trent University, United Kingdom)**
12:40-13:00	*Chairperson: Dr Guy Jameson (University of Otago, New Zealand)* IC Flash Poster Presentations Session A	*Chairperson: Dr Jack Clegg (University of Queensland, Australia)* IC Flash Poster Presentations Session B	Phosgene-free synthesis of isocyanates from carbon dioxide and dialkyltin-dialkoxides **Dr Nicolas Germain (CaRLa (Catalysis Research Laboratory), Germany)**		Activation of pentafluorosulfanyl aromatics and sulfurhexafluoride at rhodium complexes **Prof Thomas Braun (Humboldt-University Berlin, Germany)**		Flash poster presentations Session A

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13:00-14:30	**Lunch, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer						
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	IC Division Meeting **Light Activated and Light Emitting Metal Complexes** *Chairperson: Dr Elizabeth New (University of Sydney, Australia)*	**IC Division Meeting** **Supramolecular Chemistry** *Chairperson: Prof Sally Brooker (University of Otago, New Zealand)*	**Parallel Session 6A** **Main Group Chemistry** *Chairperson: Prof Mathias Driess (Technical University of Berlin, Germany)*	**Parallel Session 6B** **Transition Metal Complexes - Proudly sponsored by the Royal Society of Chemistry** *Chairperson: Prof Peter Lay (University of Sydney, Australia)*	**Parallel Session 6C** **Reactivity, Structure and Theory** *Chairperson: Prof Gernot Frenking (Donostia International Physics Center, Spain)*	**Parallel Session 6D** **Applications in Catalysis** *Chairperson: Prof William Jones (University of Rochester, United States)*	**Parallel Session 6E** **Transition Metal Complexes** *Chairperson: Prof Anthony Hill (Australian National University, Australia)*
14:30-14:50	Auxiliary ligand control of luminescent silver(I) nanoclusters **Dr Shuangquan Zang (Zhengzhou University, China)**	Bringing halogen-bonded networks kicking and screaming into the third-dimension **Dr Jack Clegg (University of Queensland, Australia)**	Synergic 2,2,6,6-tetramethylpiperidino-based lithium-metal combinations to functionalize aromatic compounds **Prof Florence Mongin (Université de Rennes 1, France)**	Application of five-membered ring ruthenium products of cyclometalation reactions for manufacturing dye-sensitized solar cells **Dr Iwao Omae (Omae Research Laboratories, Japan)**	Computational and experimental mechanistic investigations of Ta-catalyzed hydroaminoalkylation: designing advanced catalysts for preparing selectively substituted amines directly from alkenes **Mr Damon Gilmour (University of British Columbia, Canada)**	Transition metal-catalyzed decarboxylative ring-reconstruction of nitrogen-containing heterocycles **Dr Kazuhiro Okamoto (Kyoto University, Japan)**	Recent applications in the synthesis of Fischer multicarbene complexes **Prof Simon Lotz (University of Pretoria, South Africa)**
14:50-15:10	Comprehensive UV/Vis and Infrared studies of light-induced carbon monoxide release from ruthenium(II) complexes **Dr Manja Kubeil (Monash University, Australia)**	Beta-triketonates - simple ligands for lanthanide coordination clusters and polymers with outstanding light emitting properties **Prof Mark Ogden (Curtin University, Australia)**		A new family of Au(III) compounds **Dr Jason Dutton (La Trobe University, Australia)**	(Z)-1-ferrocenyltelluro-1-ferrocenyl-4-ferrocenyl-1-buten-3-yne in cluster growth reactions with metal carbonyls **Dr Pradeep Mathur (Indian Institute of Technology Indore, India)**	Studies of oxidative addition to nickel(0) **Dr David Nelson (University of Strathclyde, United Kingdom)**	Organometallic chemistry in the solid state: isolating a sigma-pentane compound **Dr Mark Chadwick (Oxford University, United Kingdom)**
15:10-15:40	Advances in phosphorescent metal complexes as markers for live cell imaging **Dr Max Massi (Curtin University, Australia)**	Metal-directed supramolecular structures **Dr Jon Beves (University of New South Wales, Australia)**	Alkaline earth reagents for small molecule activation and catalysis **Prof Michael Hill (University of Bath, United Kingdom)**	Heavier group 15 analogues of the cyanate anion and urea **A/Prof Jose Goicoechea (University of Oxford, United Kingdom)**	Computational studies of amination reactions catalyzed by Pd(II) complexes **Prof Maria Jose' Calhorda (Universidade de Lisboa, Portugal)**	Enhancement of transition metal photocatalysts using plasmonic nanoparticles **Dr Timothy Connell (CSIRO, Australia)**	Polynuclear luminescent d_{10} complexes: design and application in sensing, bioimaging and nanoparticle preparation **Prof Sergey Tunik (St. Petersburg State University, Russian Federation)**
15:40-16:00	Anionic diketonate influence on sensitised ln(III) NIR emission **Dr Evan Moore (The University of Queensland, Australia)**	Microwave assisted synthesis of polyoxometalates **Dr Christopher Ritchie (University of Melbourne, Australia)**	Boron-boron-bonds: unexpected results and new insights **Prof Holger Braunschweig (University of Wuerzburg, Germany)**	Inert boron-hydrogen bond activation by metal–metal cooperativity **Prof Hong Yan (Nanjing University, Singapore)**	Dynamic IR spectroscopy – relation to the reaction coordinate **Dr Stephen Best (University of Melbourne, Australia)**	Highly branched polyethylenes from sole ethylene through chain-migration mechanism **Prof Wen-Hua Sun (Institute of Chemistry, Chinese Academy of Sc, China)**	An unusual pincer supported rhodium hydrogenation catalyst: synthesis, characterization and resting state **Prof Paul Hayes (University of Lethbridge, Canada)**
16:00-16:20	Sensitised ln(iii) emission and excited-state dynamics of cofacial 'pacman' porphyrin terpyridine complexes **Miss Jane Liew (University of Queensland, Australia)**	Chemical crystallography at the Australian synchrotron macromolecular beamlines **Dr Jason Price (Australian Synchrotron, Australia)**	Neutral organoboron involving a nucleophilic boron center **A/Prof Rei Kinjo (Nanyang Technological University, Singapore)**	Carbon dioxide - an oxygen source for polydimethylsiloxane and a green carbonyl alternative to phosgene **Mr Konstantin Kraushaar (TU Bergakademie Freiberg, Germany)**	Phosphaethynyl organometallics: synthesis, electronics and reactivity of cyaphide-alkynyls and related complexes **Dr Ian Crossley (University of Sussex, United Kingdom)**		Generation of arynes and preparation of aryne–nickel complexes from ortho-borylaryl triflates **Dr Yuto Sumida (RIKEN Center for Life Science Technologies, Japan)**
16:20-16:50	**Afternoon Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer						

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Room	Level 1 - Room 101	Level 1 - Room 102	Level 1 - Room 103	Level 1 - Room 104	Level 1 - Room 107	Level 1 - Room 108	Ground Floor - Room Plenary 1
	IC Division Meeting **Energy Conversion and Storage** *Chairperson: Dr Stephen Best (University of Melbourne, Australia)*	**IC Division Meeting** **Coordination Polymers & Metal Organic Framework** *Chairperson A/Prof Chris Sumby (University of Adelaide, Australia)*	**Parallel Session 7A** **Main Group Chemistry** *Chairperson: Prof Robert Mulvey (University of Strathclyde, United Kingdom)*	**Parallel Session 7B** **Various Themes** *Chairperson: Dr Ian Crossley (University of Sussex, United Kingdom)*	**Parallel Session 7C** **Transition Metal Complexes - Proudly sponsored by the Royal Society of Chemistry** *Chairperson: Dr Graham Ball (University of New South Wales, Australia)*	**Parallel Session 7D** **Applications in Catalysis** *Chairperson: Prof Alexander Trifonov (G. A. Razuvaev Institute of Organometallic Chemistry, Russia)*	**Parallel Session 7E** **Transition Metal Complexes** *Chairperson: Dr Janine Cossy (ESPCI Paris Tech, France)*
16:50-17:10	Understanding structural disorder: from engineering new materials to reactivity in natural systems **Dr Rosalie Hocking (James Cook University, Australia)**	Porous coordination polymers of alkylamine ligands for carbon dioxide capture **Prof Stuart Batten (Monash University, Australia)**	The use of electronically and sterically modified β-diketiminate (nacnac) ligands for stabilising low oxidation magnesium and group 13 and 14 complexes. **Dr Indrek Pernik (Monash University, Australia)**	A new strategy to sequence controlled copolymerization via changing the intrinsic reactivity ratios **Prof Dongmei Cui (Changchun Institute of Applied Chemistry, China)**	Heavy metal complexes of novel 6-diphenylpnictogenidoacenaphth-5-yl substituents **Prof Jens Beckmann (Universität Bremen, Germany)**	Polymerisation catalysts based on Group 4 imido and amidinate compounds: catalyst discovery and fundamental aspects of bonding and reactivity **Prof Philip Mountford (Oxford University, United Kingdom)**	Exploring the scope of transition metal complexes bearing imidazol(in)ium-2-dithiocarboxylate ligands **Prof Lionel Delaude (University of Liege, Belgium)**
17:10-17:30	Oxalate and carbonate based thermochemical energy storage materials - reaction kinetics and material optimization **Mr Christian Knoll (Vienna University of Technology, Austria)**	Valence tautomerism in one dimensional coordination polymers **Ms Olga Drath (University of Melbourne, Australia)**	Synthesis of a series of group 15 element-incorporated benzenes **Dr Katsunori Suzuki (Faculty of Science and Engineering Chuo University, Japan)**	Non-metathesis heterocycle formation by ruthenium-catalyzed intramolecular [2+2] cycloaddition of allenamide-enes to azabicyclo[3.1.1]heptanes **Prof Mitsuhiro Arisawa (Osaka University, Japan)**	Temperature dependent coordination: a case of self-adaptation based on competitive complexation between phosphonate and water **Prof Hui-Ling Sung (National Taiwan Normal University, Taiwan)**		Synthesis and structure of anionic η2-sila-aldehyde-tungsten complexes **Prof Hisako Hashimoto (Tohoku University, Japan)**
17:30-17:50	Novel materials for thermochemical energy storage - from hydroxides to ammoniates **Dr Danny Müller (Vienna University of Technology, Austria)**	On the conversion of carbon dioxide using salen-based multifunctional materials **Mr Marcello Solomon (University of Sydney, Australia)**	Non-innocent cyclic(alkyl)(amino)carbenes: C-H and C-F activation **Dr Zoe Turner (University of Oxford, United Kingdom)**	Biologically active organoselenium and tellurium compounds: functional mimetics of selenoenzymes **Prof Govindasamy Mugesh (Department of Inorganic & Physical Chemistry Indian Institute of Science, India)**	Ru(0)-catalyzed C_3-selective cross-dimerizations using 5-membered heterocyclic compounds **Prof Masafumi Hirano (Tokyo University of Agriculture and Technology, Japan)**	Development of neutral tetra nickel complexes for olefin polymerization **Prof Xiuli Sun (Shanghai Institute of Organic Chemistry, China)**	Hydrogen bonded complexes and reactivity of transition metal hydrides: spectroscopic and computational investigation **Prof Elena Shubina (A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Federation)**
17:50-18:10	Bandgap engineering of titanium-oxo clusters **Dr Lei Zhang (Fujian Institute of Research on the Structure of Matter, China)**	Carbon dioxide, nitrogen and water sorption in mixed-component sulfoxide-sulfone metal organic frameworks **Mr Macguire Bryant (University of Wollongong, Australia)**	Investigation of the 2-Arsaethynolate Anion **Dr Alexander Hinz (University of Oxford, United Kingdom)**	Coordination polymerization: a promising approach to achieve sequence controlled polymer **A/Prof Bo Liu (Changchun Institute of Applied Chemistry, China)**	Synthesis and reactivity of NHC-based rhodium macrocycles **Dr Adrian Chaplin (University of Warwick, United Kingdom)**		
18:10-20:30	**Poster Reception A** **IC Poster Session**						

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	Wednesday 20 July 2016	
08:30-09:00	**Registration Open** Registration and Information Desk - Level 1 Foyer	
	Ground Floor - Plenary 1	
09:00-10:00	Plenary Session 3 - ICOMC and IC Plenary Bioinspired small molecule activation: Key enzymatic intermediates in an organometallic cloak **Prof Franc Meyer (University of Göttingen, Germany)** *Chairperson: A/Prof Colette Boskovic (University of Melbourne, Australia)*	
	Ground Floor - Plenary 1	**Level 1 - Room 107**
	Keynote Session *Chairperson: Prof Paul Low (University of Western Australia, Australia)*	**IC Division Meeting** **Molecular Magnetism** *Chairperson: A/Prof Colette Boskovic (University of Melbourne Australia)*
10:00-10:20	Functional metallopolymers as precursors to magnetic metal nanoparticles: synthesis, lithographic patterning and applications **Prof Wai-Yeung Wong (Hong Kong Baptist University, Hong Kong)**	Reversible quantitative guest sensing via spin crossover of a discrete iron(II) triazole in the solid state **Prof Sally Brooker (University of Otago, New Zealand)**
10:20-10:40		Halogen substitution effects on N2O schiff base ligands in unprecedented, abrupt Fe(II) spin crossover complexes **Dr Wasinee Phonsri (Monash University, Australia)**
10:40-11:10	**Morning Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer	

	Ground Floor - Plenary 1	Level 1 - Room 107
	Keynote Session *Chairperson: Prof Paul Low (University of Western Australia, Australia)*	**IC Division Meeting** **Coordination Polymers & Metal Organic Frameworks** *Chairperson: Dr David Turner (Monash University, Australia)*
11:10-11:30	Organoantimony(V) Lewis acids: from sensing to catalysis **Prof Francois Gabbai (Texas A&M University, United States of America)**	Exploiting redox activity in metal-organic frameworks **Dr Deanna D'Alessandro (University of Sydney, Australia)**
11:30-11:50		Robust lightweight metal organic frameworks with permanent porosity **Prof Lyall Hanton (University of Otago, New Zealand)**
	Ground Floor - Plenary 1	
11:50-12:50	Plenary Session 4 A toolbox of sigma-complexes: catalytic transformation of small molecules **Dr Sylviane Sabo-Etienne (CNRS Laboratoire de Chimie de Coordination University of Toulouse, France)** *Chairperson: Prof Phil Andrews (Monash University, Australia)*	
12:50-14:30	**Lunch, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer	
	Ground Floor - Plenary 1	
13:00-15:30	**Olex2 Masterclass** *Proudly Sponsored by Rigaku*	
	ICOMC 2016 Excursion - Optional **Book tours here - www.icomc2016.com/tours**	

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	Thursday 21 July 2016					
08:00-08:30	**Registration Open** **Registration and Information Desk - Level 1 Foyer**					
08:30-09:30	Plenary Session 5 One or two electron redox? Radical C-H activation and radical/radical cross-coupling **Prof Aiwen Lei (Wuhan University, China)** *Chairperson: Prof George Koutsantonis (University of Western Australia)*					
	Level 1 - Rooms 101 & 102	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting **Main Group Chemistry** *Chairperson: Dr Jason Dutton (La Trobe University, Australia)*	**Parallel Session 8A** **Sustainable Chemistry** *Chairperson: Prof David Young (University of Sunshine Coast, Australia)*	**Parallel Session 8B** **Materials and Precursors** *Chairperson: Prof Rainer Winter (University of Konstanz, Germany)*	**Parallel Session 8C** **Bio-Organometallic Chemistry** *Chairperson: Prof Gilles Gasser (University of Zurich, Switzerland)*	**Parallel Session 8D** **Applications in Catalysis** *Chairperson: Prof Jun Okuda (Institute of Inorganic Chemistry RWTH Aachen University, Germany)*	**Parallel Session 8E** **Transition Metal Complexes** *Chairperson: Prof Paul Low (University of Western Australia)*
09:30-10:00	Accessing main-group molecules and materials using catalysis **Dr Erin Leitao (University of Auckland, New Zealand)**	The design of improved Ni and Pd catalysts for cross-coupling: understanding the role of Ni(I) and Pd(I) complexes **Prof Nilay Hazari (Yale University, United States of America)**	Isolation of hypervalent group-16 radicals and their application in organic-radical batteries **Prof Yohsuke Yamamoto (Hiroshima University, Japan)**	Anti-cancer activities of organometallic Ru and Rh complexes **Prof Peter Lay (University of Sydney, Australia)**	Main group chemistry and catalysis through tinkering the ligand framework **Dr Tiow-Gan Ong (Institute of Chemistry Academia Sinica Nangang Taipei, Taiwan)**	Scandium terminal imido complexes: synthesis, structure and reactivity **Prof Yaofeng Chen (Shanghai Institute of Organic Chemistry Chinese Academy of Sciences, China)**
10:00-10:20	Beryllium chelation **A/Prof Paul Plieger (Massey University, New Zealand)**	Replacing Lewis acids catalysts with water: hot water-promoted organic reactions **Prof Jin Qu (Chemistry Department, Nankai University, China)**	Evaluation of electronic interaction of dinuclear mixed-valence complexes by the ir spectroscopic method **Dr Yayu Tanaka (Tokyo Institute of Technology, Japan)**	Synthesis, characterization, DFT calculations and biological activity of organotin complexes of bidentate (O,N donor) and tridentate (O,O,N donor) Schiff base ligands **Dr Harminder Kaur (PEC University of Technology, Chandigarh, India)**	Mononuclear ruthenium(II) imido complexes and their reactivity **Dr Amrendra K. Singh (Indian Institute of Technology Indore, India)**	Double C-H oxidative addition of a phosphane-functionalized theophylline derivative **Mr Florian Roelfes (Westfälische Wilhelms-Universität Münster, Germany)**
10:20-10:50	**Morning Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					

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	Level 1 - Rooms 101 & 102	Level 1 - Room 103	Level 1 - Room 104	Level 1 - Room 107	Level 1 - Room 108	Ground Floor - Room Plenary 1
	IC Division Meeting **Transition Metal Chemistry** *Chairperson: Prof Richard Keene (University of Adelaide, Australia)*	**Parallel Session 9A** **Sustainable Chemistry** *Chairperson: Prof Mikiko Sodeoka (RIKEN Center for Sustainable Resource Science, Japan)*	**Parallel Session 9B** **Materials and Precursors** *Chairperson: Prof Richard Layfield (University of Manchester, United Kingdom)*	**Parallel Session 9C** **Bio-Organometallic Chemistry** *Chairperson: Dr Hsiu Li (University of New South Wales, Australia)*	**Parallel Session 9D** **Applications in Catalysis** *Chairperson: Prof Frédéric Paul (University of Rennes 1/CNRS, France)*	**Parallel Session 9E** **Transition Metal Complexes** *Chairperson: Prof Tamotsu Takahashi (Hokkaido University, Japan)*
10:50-11:10	11:00 - 12:00 IC Plenary 3 Titanium Hydrazido Complexes: Stoichiometric and Catalytic Reactions of a Versatile Metal - Nitrogen Multiple Bond **Prof Philip Mountford (University of Oxford, United Kingdom)** ***Chairperson: Prof Richard Keene (University of Adelaide, Australia)***	Group 4 metal complexes catalyzed carboxylation reactions with carbon dioxide **Prof Chanjuan Xi (Tsinghua University, China)**	Conjugate Pt(II) poly-yne incorporating 2,2′-bipyridine spacer with coordinated $Re(I)(CO)_3Cl$ unit as a pendant group **Prof Muhammad Salahuddin Khan (Sultan Qaboos University, Oman)**	Bioorganometallic chemistry to fight Schistosomiasis **Prof Gilles Gasser (University of Zurich, Switzerland)**	N-Heterocyclic carbene (NHC) ligands in a new role in C-H activation-annulation catalysis **Dr Joyanta Choudhury (IISER Bhopal, India)**	From homonuclear metal string complexes to heteronuclear metal string complexes **Prof Shie-Ming Peng (National Taiwan University, Taiwan)**
11:10-11:30		Carbon dioxide reduction to commodity chemicals using earth abundant and inexpensive metals **Prof Wesley Bernskoetter (University of Missouri, United States of America)**	A new organometallic route for atomically-thin MOS_2 layers on 2-D SiO_2 / Si support by ALD **Dr Elsje Alessandra Quadrelli (CNRS CPE Lyon, France)**		Molybdenum-catalyzed synthesis of linear allylsilane via regioselective hydrosilylation of allene **Dr Sobi Asako (Okayama University, Japan)**	
11:30-12:00	12:00 - 12:30	Artificial metalloenzymes for olefin metathesis **Prof Jun Okuda (Institute of Inorganic Chemistry RWTH Aachen University, Germany)**	Synthesis of insulated metallopolymers directed toward molecular electronics **Prof Jun Terao (Kyoto University, Japan)**	Rational design of organometallic anticancer agents with bioactive ligand systems **Dr Christian Hartinger (University of Auckland, New Zealand)**	A new tandem catalytic route for conversion of ethanol to butanol **Prof William Jones (University of Rochester, United States of America)**	Coordination and catalytic chemistry of phosphinoferrocene carboxamides **Prof Petr Stepnicka (Charles University in Prague, Czech Republic)**
12:00-12:20	Probing the mechanism of NiFe hydrogenases using infrared spectroscopy coupled with protein film electrochemistry **A/Prof Kylie Vincent (University of Oxford, United Kingdom)**	Application of iron group metal (Fe, Ni, Co) complexes as highly efficient catalysts for the activation of paraffins **Prof Muhammad D. Bala (University of KwaZulu-Natal, South Africa)**	Catalytic, ring-opening polymerization, and self-assembly routes to new organometallic materials **Prof Ian Manners (University of Bristol, United Kingdom)**	Click reactions of bioorganometallic compounds: a facile toolbox for bio(macro)molecule functionalization **Prof Ulrich Schatzschneider (Julius-Maximilians-Universität Würzburg, Germany)**	Permethylindenyl complexes for catalysis **Dr Jean-Charles Buffet (University of Oxford, United Kingdom)**	New advances in metallabenzene chemistry **Prof L James Wright (University of Auckland, New Zealand)**
12:20-12:40	Metal complexes to assist in diagnosis and therapy **A/Prof Paul Donnelly (The University of Melbourne, Australia)**	Plasmon-enhanced water splitting photocurrent **Prof Kuan Jiuh Lin (National Chung Hsing University, Taiwan)**		Anticancer metal complexes of nonsteroidal anti-inflammatory drugs **Dr Muhammad Hanif (University of Auckland, New Zealand)**	Teaching synthetic dogs new tricks **Dr Jonathan Lam (Massachusetts Institute of Technology, United States of America)**	New annulated N-heterocyclic carbenes and their coordination chemistry **Dr Rong Shang (Hiroshima University, Japan)**
12:40-13:00	Mechanistic insights into perruthenate-catalysed alcohol oxidations **Mr Timothy Zerk and Prof Paul Bernhardt (The University of Queensland, Australia)**					Flash Poster Presentations Session B

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13:00 - 14:30	**Lunch, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					
	Level 1 - Rooms 101 & 102	**Level 1 - Room 103**	**Level 1 - Room 104**	**Level 1 - Room 107**	**Level 1 - Room 108**	**Ground Floor - Room Plenary 1**
	IC Division Meeting *Chairperson: Prof George Koutsantonis (University of Western Australia)*	**Parallel Session 10A** **Various Themes** *Chairperson: Prof Francois Gabbai (Texas A&M University, United States)*	**Parallel Session 10B** **Materials and Precursors** *Chairperson: Prof Frédéric Paul (University of Rennes 1/CNRS (UMR 6226), France)*	**Parallel Session 10C** **Bio-Organometallic Chemistry** *Chairperson: Dr Christian Hartinger (University of Auckland, New Zealand)*	**Parallel Session 10D** **Applications in Catalysis** *Chairperson: Dr Christopher Hyland (University of Wollongong, Australia)*	**Parallel Session 10E** **Transition Metal Complexes** *Chairperson: Prof L James Wright (University of Auckland, New Zealand)*
14:30-14:50	**Burrows Award & Presentation**	N-Heterocyclic silylenes as powerful steering ligands in catalysis **Prof Matthias Driess (Technical University of Berlin, Germany)**	Syntheses and NLO properties of organometallic stars and trees **Prof Mark Humphrey (Australian National University, Australia)**	Bismuth phosphinate complexes as antibacterial agents **Dr Melissa Werrett (Monash University, Australia)**	Direct C-H arylation of thienylthioamides catalyzed by Pd-phenanthroline complexes **A/Prof Fumitoshi Shibahara (Gifu University, Japan)**	Mixed amido-cyclopentadienyl group 4 metal complexes **Dr Michal Horáček (J. Heyrovský Institute of Physical Chemistry of the ASCR v.v.i., Czech Republic)**
14:50-15:10			Fixation of CO_2 and SO_2 on organozinc hydroxides: from novel molecular systems to functional materials **Prof Janusz Lewinski (Warsaw University of Technology, Poland)**	Protein modification using ligand-directed $Ru(bpy)_3$ photocatalysts **Prof Hiroyuki Nakamura (Tokyo Institute of Technology, Japan)**	Palladium-catalyzed regioselective diarylation of o-carboranes via direct cage B-H activation **Dr Yangjian Quan (The Chinese University of Hong Kong)**	Hydride transfer in a ketone pincer ligand **A/Prof Rowan Young (National University of Singapore)**
15:10-15:40		Co-catalysis over phosphine-functionalized ionic liquids for carbonylation reactions **Prof Ye Liu (East China Normal University, China)**	Using donor-acceptor stabilization to access main group element-derived advanced materials under mild conditions **A/Prof Eric Rivard (University of Alberta, Canada)**	Artificial Melanosomes **Prof Nathan Gianneschi (University of California, San Diego, United States of America)**	Transition-metal mediated transformations of tetrafluoroethylene into polyfluorinated organic compounds **Prof Masato Ohashi (Osaka University, Japan)**	New modular chelating ligands with nitrogen and phosphorus donors **Prof Michael Fryzuk (University of British Columbia, Canada)**
15:40-16:00	**IC AGM**	Sustainable chemistry: radical concept when applied to natural processes with organometallic interactions at its core **A/Prof Jaswant Rathore (J.N.V. University, India)**	Trinuclear cyclic pyrazolates of the coinage metals: principles of supramolecular assemblies with Lewis bases **Dr Oleg Filippov (A.N.Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russian Federation)**	Synthetic modeling of nickel-iron hydrogenase: insights and opportunities **Dr David Schilter (Institute for Basic Science, Republic of Korea)**	Dehydrogenation of alkanes catalyzed by long-tethered P-B-P pincer iridium complexes **Dr Enrique Kwan (Chuo University, Japan)**	Structure and reactivity consequences of bulky bis(NHC) ligand bridge extension in palladium(II) complexes **Dr Curtis Ho (University of Tasmania, Australia)**
16:00-16:20		Palladium-catalyzed C-H halogenation and its application by means of electrochemical oxidation **Prof Fumitoshi Kakiuchi (Department of Chemistry Faculty of Science and Technology Keio University, Japan)**		Alkynoylaryl-gold(I) complexes: synthesis, structure, and anticancer properties **Dr Damian Plazuk (Univeristy of Lódź Faculty of Chemistry, Poland)**	Iron-catalyzed oxidation of alcohols and aldehydes by environmentally benign oxidants **Dr Shinji Tanaka (AIST, Japan)**	Heterobimetallic complexes by coordination of N-heterocyclic carbene complexes **Mr Michael Tegethoff (Westfälische Wilhelms-Universität Münster, Germany)**
16:20-16:50	**Afternoon Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer					

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16:50-18:00	**Poster Reception B**
19:00-23:00	**Conference Dinner - Optional** **Crown Palladium**

	Friday 22 July 2016
09:00-09:30	**Registration Open** Registration and Information Desk - Level 1 Foyer
	Level 1 - Rooms 105 & 106
	Keynote and Invited Session *Chairperson: Prof Dominic Wright (University of Cambridge, United Kingdom)*
09:30-10:10	Main group systems for redox-based bond activation and functionalization **Prof Simon Aldridge (University of Oxford, United Kingdom)**
10:10-10:40	Enantioselective reactions of α-ketoesters as pronucleophile **Prof Mikiko Sodeoka (RIKEN Center for Sustainable Resource Science, Japan)**
10:40-11:00	Determination of Ligand Donor Strengths on a Unified ^{13}C NMR Spectroscopic Scale **A/Prof Han Vinh Huynh (National University of Singapore)**
11:00-11:20	**Morning Tea, Exhibition & Posters** Level 1 - Rooms 105 & 106 & Foyer

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Program is current as at 18 July 2016

	Level 1 - Rooms 105 & 106
11:20-12:20	Plenary Session 6 Salt-free reduction of metal compounds for generating catalytically active species **Prof Kazushi Mashima (Osaka University, Japan)** *Chairperson: Prof Peter Junk (James Cook University, Australia)*
12:20-12:40	**Closing Ceremony**
	Conference End

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