SCIENTIFIC PROGRAM

The Scientific Program will include Plenary Lectures, Special Lectures, Award Lectures, Keynote Lectures, Oral Lectures, and Poster Presentations. The official language of the Symposium is English. Registration, all lectures and poster presentations will be held in the University of Auckland.

All posters will be placed on the viewing boards from the Thursday morning and will therefore be available for viewing during coffee breaks and lunch for the duration of the conference.

Lectures

Thursday, 23 November, 2017

8:30	Registration	
8:50	Opening Ceremony	

Chairperson: Prof Yuji Mikata

9:00 – 9:45	PL-1	Osamu Ishitani (Tokyo Institute of Technology) Photocatalytic CO_2 Reduction Using Metal Complexes as Key Players

Chairperson: Prof Hideki Hashimoto

9:45 – 10:05	KL-1	James D. Crowley (University of Otago) Palladium(II) Metallosupramolecular Cages: Self-assembly and Molecular recognition
10:05 – 10:25	KL-2	Paul G. Plieger (Massey University) Linked $[Fe^{III}_3]$ Triangles
10:25 – 10:55	Coffee Break	

Chairperson: Prof Hideki Hashimoto

10:55 – 11:15	KL-3	Lyall R. Hanton (Unversity of Otago) Towards hydrazone based gel actuators
11:15 – 11:30	OL-1	Yutaka Amao (Osaka City University) Visible-light driven CO_2 reduction with the zinc porphyrin and biocatalyst
11:30 – 11:45	OL-2	Motowo Yamaguchi (Tokyo Metropolitan University) Pyrazine-bridged Macrocyclic Tetranuclear Ruthenium Complex: Synthesis, Inclusion Behavior, and Electrochemical Properties
11:45 – 12:00	OL-3	Kazuo Miyamura (Tokyo University of Science) Cold Crystallisation – A Phenomenon that can Store Heat Energy
12:00 – 13:00	Lunch & Poster Session	

Chairperson: Dr Erin Leitao

13:00 – 13:45	SL-1	Sally Brooker (University of Otago) From breaking simple self assembly rules to tuning spin crossover and developing active 'green' polymerisation catalysts

Chairperson: Prof Yutaka Amao

13:45 – 14:05	KL-4	Carla Meledandri (University of Otago) Nanoscale MOFs with Hierarchical-Pore Architectures Prepared Through Microemulsion Methods
14:05 – 14:25	KL-5	Nicola E. Brasch (Auckland University of Technology) Probing the Mechanisms of Nitroxyl Release from Photoactive Piloty's Acid Derivatives

14:25 – 14:40	OL-4	Hsiang-Jung Wu (Kogakuin University) Patterned Cu_2O thin-film fabricated by using UV-irradiation to a molecular precursor film including Cu(II) complexes
14:40 – 14:55	OL-5	Alina Uusiku (Kogakuin University) Direct preparation of aqueous solutions involving Cu(II) complex of EDTA, from copper plates by electrochemical process
14:55 – 15:25	Coffee Break	

Chairperson: Prof Christian Hartinger

15:25 – 16:10	PL-2	Shane Telfer (Massey University) Multicomponent Metal-Organic Frameworks

Chairperson: Dr Erin Leitao

16:10 – 16:30	KL-6	Allan G. Blackman (Auckland University of Technology) Photocatalytic H_2 evolution from a series of Co^{III} complexes
16:30 – 16:45	OL-6	Kenji Matsumoto (Kochi University) Influence of the properties of hydroxamate-type artificial siderophores on the recovery from iron starvation in grape tomato
16:45 – 17:00	OL-7	Yuri Maeda (Nagoya Institute of Technology) Electrochemical properties and electrocatalytic ability in proton reduction of heterometallic trinuclear complexes both in organic and aqueous solutions
17:00 – 17:15	OL-8	Keisuke Kawamoto (Kanazawa University) Syntheses of water soluble polyoxomolybdenum cation protected by macrocyclic triazacyclononane cobalt(III) complexes

17:15 – 17:25 Short Break

17:25 – 17:35 Award Ceremony

Chairperson: Prof Mitsunobu Sato

17:35 – 18:05 AL-1 Kazuhiro Manseki (Gifu University)
Creation of metal complex-based polymer nanocomposite materials for photoenergy conversion

Friday, 24 November, 2017

Chairperson: Prof Takanori Nishioka

9:00 – 9:45	PL-3	Takumi Konno (Osaka University) Coordination Chemistry of Gold(I) Metalloligands with Thiol-containing Amino Acids

Chairperson: Prof Hiroki Nagai

9:45 – 10:05	KL-7	J. Robin Fulton (Victoria University of Wellington) Reactive β-diketiminate group 12 and 13 complexes
10:05 – 10:25	KL-8	J. Nigel Lucas (University of Otago) Superphenylphosphine Ligands for Control of Coordination Geometry and Supramolecular Assembly
10:25 – 10:55	Coffee Break	

Chairperson: Prof Hiroki Nagai

10:55 – 11:15	KL-9	Martyn P. Coles (Victoria University of Wellington) Synthesis and Reactivity of Low Valent Antimony and Bismuth Compounds
11:15 – 11:30	OL-9	Haruo Akashi (Okayama University of Science) Molybdenum Dithiolene Complexes: Trinuclear Mixed-Valence Complexes and Geometrical Isomers of Dinuclear Complexes
11:30 – 11:45	OL-10	Masahiro Mikuriya (Kwansei Gakuin University) Mono-, Di-, Tri-, and Tetra-nuclear Manganese Complexes with Multidentate Ligands
11:45 – 12:00	OL-11	Misaki Nakai (Kansai University) Syntheses and biodistribution of ^{99m}Tc-sulfonamide and

		sulfocoumarin derivatives toward molecular imaging in tumor hypoxia
12:00 – 13:00	Lunch & Poster Session	
Chairperson: Prof James Wright		
13:00 – 13:45	PL-4	Peter Schwerdtfeger (Massey University) When Gold Meets Relativity
Chairperson: Dr Stefan Schwarz		
13:45 – 14:05	KL-10	Erin M. Leitao (University of Auckland) Creating Main-Group Molecules and Polymers using Catalysis
14:05 – 14:25	KL-11	Keith C. Gordon (University of Otago) The use of spectroscopic and computational methods to understand excited states
14:25 – 14:40	OL-12	Toru Honda (Kogakuin University) XPS spectra of Ga_2O_3, In_2O_3 and their alloys fabricated by molecular precursor method
14:40 – 14:55	OL-13	Shin-ichiro Sato (Hokkaido University) Thermodynamic Fluctuation of Carboxyl- and Methoxycarbonyl-Porphyrin Aggregates in Water/Alcohol Binary Solution
14:55 – 15:25	Coffee Break	
Chairperson: Shigenobu Yano		
15:25 – 16:10	SL-2	Nobuaki Kambe (Osaka University) Cross-Coupling Reactions Catalyzed by Group 9 Transition Metals

Chairperson: Dr Muneebah Adams

16:10 – 16:30	KL-12	Graham C. Saunders (University of Waikato) Carbon-Fluorine Bond Fission and Dearomatization in Group 9 *N*- Heterocycle Stabilized Carbene Complexes
16:30 – 16:45	OL-14	Takanori Nishioka (Osaka City University) Metal-metal bond formation and cleavage controlled by reversible coordination and dissociation of a two-electron donor
16:45 – 17:00	OL-15	Yuji Mikata (Nara Women's University) Quinoline/Isoquinoline-Based Heptadentate Ligands with Zn^{2+}/Cd^{2+}-Specific Fluorescent Response
17:00 – 17:10	Short Break	

Chairperson: Dr Muneebah Adams

17:10 – 17:30	KL-13	Penelope J. Brothers (University of Auckland) Lighting up sugars: linking BODIPY to sugars through boron
17:30 – 17:50	KL-14	Vladimir Golovko (University of Canterbury) Atomically precise metal clusters – unique species bridging the gap between atoms and metallic particles
17:50-18:10	Poster Award & Closing Ceremony	

Poster Presentations

P-1 Hiroki Sato (Kwansei Gakuin University)
Elucidation of Photoprotective Function in LH1 Antenna Pigment- Protein Complexes from a Purple Photosynthetic Bacterium *Rhodospirillum rubrum*

P-2 Lynn Lisboa (Auckland University of Technology)
Mechanistic Studies on the Reaction of the Vitamin B_{12} Derivative Aquacobalamin with Phenylsulfinate

P-3 Shota Seto (Kwansei Gakuin University)
Isolation and Purification of Capsanthin from Red Paprika (Capsicum annuum L.) and its Application to the Advanced Spectroscopic Measurements

P-4 Ruth B. Cink (Auckland University of Technology)
Photorelease of Nitroxyl (HNO): Effects of a Simple Modification to the (Hydroxynaphthalenyl)methyl Phototrigger

P-5 Nao Yukihira (Kwansei Gakuin University)
Stabilization of the fucoxanthin reconstituted into the light- harvesting 1 complex from a purple photosynthetic bacterium *Rhodospirillum rubrum* G9+

P-6 Vinay Bharadwaj (Auckland University of Technology)
Towards the Development of Photoactivatable HNO Donors: Synthesis and Photolysis of O-(2-Nitrobenzyl)-protected Analogues of Piloty's Acid

P-7 Kozo Fukumoto (University of the Ryukyus)
Carbon-sulfur bond activation of thioether by an iron complex

P-8 Sanam Movassaghi (University of Auckland)
Development of Anti-Cancer Organometallic Complexes with Bidentate N-Heterocyclic Carbene Ligands

P-9 Satoshi Iwatsuki (Konan University)
Chelating Ligand-Counter Cation Hybrid Resins for Effective Aqueous Boron Separation: Molecular Design Based on Boronic Acid Complexation Mechanism

P-10 M. P. Sullivan (University of Auckland)
Elucidating the interactions between organometallic complexes and proteins

P-11 Toru Ishikawa (Tokyo University of Science)
Thermal property of Ni salen type complex with two methyl groups in ethylene diamine moiety

P-12 Hannah U. Holtkamp (University of Auckland)
Improving speciation of metal based anticancer agents in serum samples via coated capillaries for CE-ICP-MS analysis

P-13 Hideaki Takano (Waseda University)
Computational Study of Iridium Complexes as Transition States in Formal [4+1] Cycloaddition of Biphenylene with Alkenes: Rational Explanation of [4+1] Prior to [4+2] Cycloaddition

P-14 J. Kim (University of Auckland)
Towards anticancer metal complexes based on novel SAHA- derived ligands

P-15 Yoshihiko Sera (Fuji Chemical Industries Co. Ltd.)
Synthesis of Amorphous Fe_2O_3/RGO Composite

P-16 Saawan Kumar (University of Auckland)
Conjugation of ruthenium complexes to magnetite nanoparticles for drug delivery

P-17 Tomoko Horibe (Fuji Chemical Industries Co. Ltd.)
Photoinduced Hydrogen Evolution by *Am*-Fe2O3/RGO

P-18 Muneebah Adams (University of Cape Town)
Evaluation of ruthenium(II)-, rhodium(III)- and palladium(II)-organosilane thiosemicarbazone complexes as antiparasitic agents

P-19 Akitsugu Hayashi (Kansai University)
Carbonate Co(III) complexes with polypyridine ligand as hypoxia Activated prodrug

P-20 Dianna Truong (University of Auckland)
Benzimidazolium-derived *N*-heterocyclic carbene Ru^{II} and Os^{II} arene complexes and peptide conjugates as novel anticancer agents

P-21 Mako Tamaki (Osaka City University)
Catalytic Ability of Nickel(II) Complexes with Sugar-Coated Tridentate or Bidentate N-Heterocyclic Carbene Ligands

P-22 K. Tong (University of Auckland)
Ferrocene-functionalized multi-nuclear organometallic anticancer compounds with Ir, Rh, Ru, and Os co-centres

P-23 Takashi Yoshida (Tokyo University of Science)
Thermal behaviour of [Ni(salen)] derivatives having methyl substituent groups at nitrogen bridge

P-24 A. Melton (University of Auckland)
Hydrogen Peroxide on Demand for Water Treatment

P-25 Shoki Yasuhara (Okayama University of Science)
Synthesis and crystal structures of niobium(V) complexes of fluoroporphyrin and fluorochlorin derivatives

P-26 A. Ransley (University of Auckland)

Development and testing of antibacterial polymer membranes for use in water purification systems

P-27 Narimi Fujii (Okayama University of Science)
Antibacterial Activity of Metal Complexes of Sugar-conjugated Fluorochlorin Derivatives

P-28 Ayiya B. Bitrus (University of Auckland)
Synthesis of the First Tridentate Ligand that incorporates both Pyridinylidene Amide (PYA) and Remote N-Heterocyclic Carbene (rNHC) donors groups

P-29 Shoichi Yamane (Okayama University of Science)
Synthesis and characterization of novel tris(2-pyridyl- methyl)amine molybdenum compounds having a Mo3S4 core

P-30 Terence M. Christy (University of Auckland)
Chemistry of sulfur-functionalized osmabenzenes

P-31 Takuya Sawada (Okayama University of Science)
Photooxygenation with magnesium complexes of sugar-conjugated fluorochlorin derivatives

P-32 S. Schwarz (Universität Bayreuth)
Preparation of a highly active Pd-Ce-Al oxide catalyst for the oxidation of methane

P-33 Yukari Ishimoto (Osaka City University)
Synthesis of Thiophene-Bridged Iron Carbonyl Complexes Derived from Quinolyl-Substituted Thiophenes

P-34 Toyataka Nakae (Osaka City University)
Development of iron-based CO-releasing molecules inducible by longer wavelength light

P-35 Naoto Kuwamura (Osaka University)

Stepwise Construction of a Pt^{II}-Pd^{II}-Ni^{II} Heterotrimetallic Coordination Polymer Showing a Significant Enhancement in Catalytic Hydrogen Evolution by Metal-ion Cooperative Effect