

Programme

Friday 8th December - Large Chemistry Lecture Theatre (301-G050)

08:30	Registration
10:00	Opening
SESSION 1	
<i>Chair: James Wright</i>	
10:30	Keynote: Philip Jessop <i>Addressing Environmental Problems with CO₂-Switchable Materials</i>
11:20	Jason Harper <i>Ionic Liquids to Control Reaction Outcome - Potential Application to Biomass Processing</i>
11:40	Simon Hinkley <i>Paint Binders with High Renewable Content; A foray into the world of Architectural Coatings</i>
12:00	Warren Grigsby <i>Sustainable Approaches to Resin and Adhesive Design: Utilising Inherent Chemistries of Renewables in Adhesive Formulations</i>
12:20	Lunch
SESSION 2	
<i>Chair: Jack Chen</i>	
13:30	Michael Oelgemöller <i>Green Chemistry with Light</i>
13:50	Matthew Shores <i>Understanding and Harnessing Spin in Photoredox Catalysis using First Row Transition Metal Complexes</i>
14:10	Takeyuki Suzuki <i>Ir-Catalysed Asymmetric Tandem Reaction of meso-Diols</i>
14:30	Subhabrata Sen <i>A Nanostructured Titanium Oxide Encapsulated Cu(I) Catalyst for Facile C-C and C-N Bond Forming Reactions</i>
14:50	Vjekoslav Štrukil <i>The Interplay Between Photocatalysis and Mechanochemical Synthesis - New Opportunities for Green Chemistry</i>
15:10	Afternoon Tea
SESSION 3	
<i>Chair: Erin Leitao</i>	
15:40	Greg Metha <i>Use, Characterisation and Modelling of Chemically-Synthesised, Atomically-Specific Clusters in Catalysis</i>
16:00	Richard Webster <i>Redox Active Organic Molecules for Energy Storage</i>
16:20	Justin Hodgkiss <i>Photocurrent Generation in Printable Organic Photovoltaic Cells</i>
16:40	Keynote: Amy Prieto <i>Inexpensive, Efficient Approaches for the Electrodeposition of High Energy Density Anodes for Rechargeable Batteries</i>
17:30	Poster Session and Reception <i>Sponsored by the New Zealand Institute of Chemistry (Auckland)</i>

Saturday 9th December - Large Chemistry Lecture Theatre (301-G050)

SESSION 4	
<i>Chair: Paul Kilmartin</i>	
09:00	Keynote: Ning Yan <i>Shell Biorefinery: Dream or Reality?</i>
09:50	Lennart Bergström <i>Sustainable Routes to Green Materials: Nanocellulose-based Hybrid Materials</i>
10:10	Aneela Maalik <i>Green Synthesis of Gold and Silver Nanoparticles from Leaf Extracts of Medicinally Important Litchi Chinensis and their Pharmacognostic Screening</i>
10:30	Morning Tea
SESSION 5	
<i>Chair: Jonathan Sperry</i>	
11:00	Anton Dolzhenko <i>New Microwave-Assisted Multicomponent Reactions under Microwave Irradiation: A Greener Path to Purine Isosteres</i>
11:20	Ben Greatrex <i>A High-Performance Chiral Auxiliary Family Derived from Biomass</i>
11:40	Justin Chalker <i>Sulfur Polymers for Environmental Protection and Restoration</i>
12:00	Alex Bissember <i>Synthetic Applications of Visible Light Copper(I) Photocatalysis</i>
12:20	Milton Hearn <i>The Role of Green Chemistry in the Design and Synthesis of Heterocyclic Drug Candidates</i>
12:40	Lunch and Poster Session
SESSION 6	
<i>Chair: Viji Sarojini</i>	
14:00	Vladimir Golovko <i>Novel Catalysts for Green Chemical Processes</i>
14:20	Cameron Weber <i>Structural Investigations of Ionic Liquid Mixtures</i>
14:40	Tandré Oey <i>Rate Controls on the Dissolution of Silicate and Aluminate Glasses in Aqueous Alkaline Environments</i>
15:00	Abdulmehdi Ali <i>Investigation of Metal Removal Using Natural Limestone Rock</i>
15:20	Charlotte Vandermeer <i>Grape Marc Extract: Antioxidant and Antimicrobial Properties in Active Packaging</i>
15:30	Piao Ye <i>Gold Nanorod-Decorated Titani Films Exhibit High Photoactivity for Photocatalytic Water Splitting under UV Illumination</i>
15:40	Afternoon tea
SESSION 7	
<i>Chair: Penny Brothers</i>	
16:20	Daniel van de Pas <i>Novel Biobased Epoxy Resins from the Catalysed Depolymerisation of Native Lignin</i>
16:40	Kei Saito <i>Green Polymers - Dynamic Polymers to Lignin-based Polymers</i>
17:00	Francesca Lipscombe <i>Recent Successes and Future Challenges in Green Chemistry: the Perspective from the New Zealand Ecolabelling Trust</i>
17:20	Keynote: Lauren Heine <i>Green Design and Assessment: Two Sides of the Same Coin?</i>
18:10	Closing and Prize Giving
18:40	Reception <i>Sponsored by the New Zealand Institute of Chemistry (Auckland)</i>
19:45	Speakers Dinner

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