



Tuesday 1 December - Day 1 Sessions

Sydney time	Perth time	Auckland time	Speaker	Title
9:30 - 10:00 am	6:30 - 7:00 am	11:30 - 12:00 pm	A/Prof Ekaterina (Katya) Pas	Welcome - Panel #1-1
10:00 - 10:30 am	7:00 - 7:30 am	12:00 - 12:30 pm	Prof Tom Welton, Imperial College, London, UK	Connecting Ion Structure and Flexibility with the Transport Properties of Ionic Liquids - Panel #1-1
10:30 - 10:45 am	7:30 - 7:45 am	12:30 - 12:45 pm	Catherine Hay, Curtin University	Electrochemical Sensor Development for Explosives Detection Using Ionic Liquids - Panel #1-1
10:45 - 11:00 am	7:45 - 8:00 am	12:45 - 13:00 pm	Jhonatan Soto Puelles, Deakin University	Reconsidering Intermolecular Interactions in Surface Active Ionic Liquids as Steel Corrosion Inhibitors – A Modelling Study - Panel #1-1
11:00 - 11:30 am	8:00 - 9:30 am	13:00 - 13:30 pm		Coffee break
11:30 - 11:45 am	8:30 - 8:45 am	13:30 - 13:45 pm	Karolina Biernacka, Deakin University	Designing Novel Solid State Electrolytes based on Hexamethylguanidinium Organic Ionic Plastic Crystal for Sodium Batteries - Panel #1-2
11:45 - 12:00 pm	8:45 - 9:00 am	13:45 - 14:00 pm	Stuart Brown, RMIT University	Quantitative Determination of Protein Solubility in Ionic Liquids - Panel #1-2
12:00 - 12:15 pm	9:00 - 9:15 am	14:00 - 14:15 pm	Dr. Karolina Matuszek, Monash University	Thermal Energy Storage in Ionic Liquids - Panel #1-2
12:10 - 12:30 pm	9:15 - 9:30 am	14:15 - 14:30 pm	Dr. Cameron Weber, The University of Auckland, New Zealand	Seeking Solvation: How do Solutes Affect the Amphiphilic Nanostructure of Ionic Liquids? - Panel #1-2
12:30 - 12:45 pm	9:30 - 9:45 am	14:30 - 14:45 pm	Shammi Ferdousi, Deakin University	Formation of SEI on Sodium Metal Electrodes in Superconcentrated Ionic Liquid Electrolytes and the Effect of Additive Water - Panel #1-2
12:45 - 13:00 pm	9:45 - 10:00 am	14:45 - 15:00 pm	Mahdi Ghorbani, Deakin University	Microbiologically Influenced Corrosion (MIC); Discovering Inhibitors and their Mechanisms - Panel #1-2

13:00 - 13:15 pm	10:00 - 10:15 am	15:00 - 15:15 pm	Justin Freeman, University of WA	Ambient Energy Dispersion and Stabilisation of Large Graphene Sheets from Graphite Using a Surface Energy Matched Ionic Liquid - Panel #1-2
13:15 - 13:30 pm	10:15 - 10:30 am	15:15 - 15:30 pm	Dr. Hua Li, University of WA	Effect of Hydrogen Bonding between Ions of Like Charge on the Boundary Layer Friction of Hydroxy-Functionalized Ionic Liquids - Panel #1-2
13:30 - 14:30 pm	10:30 - 11:30 am	15:30 - 16:30 pm	Lunch time	
14:30 - 14:45 pm	11:30 - 11:45 am	16:30 - 16:45 pm	Dr. Luca Porcarelli, Deakin University	Versatile Task-specific Sodium Iongels by Fast UV Photopolymerization for Emerging Solid State Energy Storage Applications - Panel #1-3
14:45 - 15:00 pm	11:45 - 12:00 pm	16:45 - 17:00 pm	Manuel Brunner, University of WA	Revealing the Liquid Structure of Cholinium Arginate Bio-Ionic Liquids via Small-Angle Neutron Diffraction - Panel #1-3
15:00 - 15:15 pm	12:00 - 12:15 pm	17:00 - 17:15 pm	Qian Sun, University of NSW	Single Atom Catalysts with Nanoconfined Ionic Liquids for Enhanced CO₂ Electroreduction - Panel #1-3
15:15 - 15:30 pm	12:15 - 12:30 pm	17:15 - 17:30 pm	Laura Garcia-Quintana, Deakin University	Highly Homogeneous Sodium Superoxide Growth in Na-O₂ Batteries Enabled by a Hybrid Electrolyte - Panel #1-3
15:30 - 15:45 pm	12:30 - 12:45 pm	17:30 - 17:45 pm	Shurui Miao, The University of Sydney	Unexpected Origin of Nanostructure in Choline Phenylalaninate, a Biocompatible Ionic Liquid - Panel #1-3
15:45 - 16:00 pm	12:45 - 13:00 pm	17:45 - 18:00 pm	Daniel Morris, University of NSW	Predicting Reaction Outcomes through Physical Measurements of Ionic Liquids - Panel #1-3
16:00 - 16:30 pm	13:00 - 13:30 pm	18:00 - 18:30 pm	Coffee break	
16:30 - 17:30 pm	13:30 - 14:30 pm	18:30 - 19:30 pm	Poster session	
17:30 - 18:00 pm	14:30 - 15:00 pm	19:30 - 20:00 pm	Prof. Hiroyuki Ohno, Tokyo University of Agriculture and Technology, Japan	Iconic Liquids - Panel #1-4

Panel #1-1 – Chair: Tam Greaves and Katya Pas, Judge: Doug MacFarlane; <https://monash.zoom.us/j/85994557177?pwd=VldWYXVSaUtEb0hTMzhraW1jbXNKUT09>

Panel #1-2 – Chair: Nathan Martens and Saffron Bryant, Judge: Katya Pas; <https://monash.zoom.us/j/85284664352?pwd=cDVISEI5a1V5aERPvnpSKOUxRWIzZz09>

Panel #1-3 – Chair: Mega Kar and Kaycee Low, Judge: Debbie Silvester-Dean; <https://monash.zoom.us/j/85121071598?pwd=bWFucTdvYkQvMEIuU2p2M1poSlBpQT09>

Panel #1-4 – Chair: Tam Greaves and Katya Pas; <https://monash.zoom.us/j/86396285770?pwd=ZDNkZ3dkM1IicVR1cjFsRjNGKzB1dz09>

Wednesday 2 December - Day 2 Sessions

Sydney time	Perth time	Auckland time	Speaker	Title
10:00 - 10:30 am	7:00 - 7:30 am	12:00 - 12:30 pm	Dr. Małgorzata Swadźba-Kwaśny, Queen's University, Belfast, UK	Protic Ionic Liquids: How Structure in the Liquid Phase is Reflected in Macroscopic Properties and Performance in Catalysis - Panel #2-1
10:30 - 10:45 am	7:30 - 7:45 am	12:30 - 12:45 pm	Dr. Colin Kang, Deakin University	Oxazolidinium-based Ionic Electrolytes: The Effect of Ether Functionality in the Ring - Panel #2-1
10:45 - 11:00 am	7:45 - 8:00 am	12:45 - 13:00 pm	Simon Doblinger, Curtin University	Effect of Humidity on Electrochemical Gas Sensing in Ionic Liquid-based Electrolytes - Panel #2-1
11:00 - 11:30 am	8:00 - 9:30 am	13:00 - 13:30 pm		Coffee break
11:30 - 11:45 am	8:30 - 8:45 am	13:30 - 13:45 pm	Alyssa Gilbert, University of NSW	The Effects of Ionic Liquids as Solvents: Reactions that Proceed through Carbocation Intermediates - Panel #2-2
11:45 - 12:00 pm	8:45 - 9:00 am	13:45 - 14:00 pm	Kasimir Gregory, University of Newcastle	Investigating Specific-ion Effects on the Nanostructure of Propylammonium Nitrate via Molecular Dynamics Simulations - Panel #2-2
12:00 - 12:15 pm	9:00 - 9:15 am	14:00 - 14:15 pm	Dr. Mega Kar, Monash University	Ionic Liquids for Rechargeable Metal Batteries - Panel #2-2
12:10 - 12:30 pm	9:15 - 9:30 am	14:15 - 14:30 pm	Nathan Martens, Monash University	Ionic Liquids in Electric Fields - Panel #2-2
12:30 - 12:45 pm	9:30 - 9:45 am	14:30 - 14:45 pm	Dr. Binayak Roy, Monash University	Fluoroalkylborate [B(ORF)₄]- Anions for High-voltage LiBs - Panel #2-2
12:45 - 13:00 pm	9:45 - 10:00 am	14:45 - 15:00 pm	Rory McCallum, CSIRO	Synthesis, Electrochemical and Spectroscopic Study of Novel Boronium Ionic Liquid based Electrolyte Systems for High Energy Density Lithium Batteries- Panel #2-2
13:00 - 13:15 pm	10:00 - 10:15 am	15:00 - 15:15 pm	Peter Halat, Monash University	Parametrisation of Polarisable Force Fields through Incorporation of Many-body Effects in Ionic Liquids - Panel #2-2
13:15 - 13:30 pm	10:15 - 10:30 am	15:15 - 15:30 pm	Kenny Liu, University of NSW	The Effect of Bisimidazolium-based Ionic Liquids on A Bimolecular Substitution Process. Are Two Head(group)s Better Than One? - Panel #2-2

13:30 - 14:30 pm	10:30 - 11:30 am	15:30 - 16:30 pm	Lunch time	
14:30 - 14:45 pm	11:30 - 11:45 am	16:30 - 16:45 pm	Jonathon Clarke-Hannaford, RMIT University	Boronium Cation-based Ionic Liquid Electrolytes for Li-Metal Batteries - Panel #2-3
14:45 - 15:00 pm	11:45 - 12:00 pm	16:45 - 17:00 pm	Dr. Saffron Bryant, RMIT University	Deep Eutectic Solvents for Cryopreservation - Panel #2-3
15:00 - 15:15 pm	12:00 - 12:15 pm	17:00 - 17:15 pm	Dr. Shern Tee, The University of Queensland	Fully Periodic Constant Potential Simulations of Electric Double Layers - Panel #2-3
15:15 - 15:30 pm	12:15 - 12:30 pm	17:15 - 17:30 pm	Matthew Taylor, University of NSW	Investigating the Effects of Mixtures of Ionic Liquids on Reaction Outcome - Panel #2-3
15:30 - 15:45 pm	12:30 - 12:45 pm	17:30 - 17:45 pm	Dr. Hank (Qi) Han, RMIT University	The Effect of Ionic Liquids on Lysozyme and Green Fluorescent Protein: A Multi-technique Approach - Panel #2-3
15:45 - 16:00 pm	12:45 - 13:00 pm	17:45 - 18:00 pm	Anjali Gaur, JNCASR, Bangalore, India	Stabilization of Fluoride Ions in Ionic Liquids - Panel #2-3
16:00 - 16:30 pm	13:00 - 13:30 pm	18:00 - 18:30 pm	Coffee break	
16:30 - 17:00 pm	13:30 - 14:00 pm	18:30 - 19:00 pm	Poster session	
17:00 - 17:15 pm	14:00 - 14:15 pm	19:00 - 19:15 pm	Kateryna Goloviznina, ENS de Lyon, France	Polarisable Force Field for Protic Ionic Liquids and Deep Eutectic Solvents - Panel #2-4
17:15 - 17:30 pm	14:15 - 14:30 pm	19:15 - 19:30 pm	Dr. Luke Wylie, ENS de Lyon, France	Ionic Liquids as Stabilising Agents for Nitroxide Redox Flow Batteries - Panel #2-4
17:30 - 18:00 pm	14:30 - 15:00 pm	19:30 - 20:00 pm	Prof. Margarida Costa Gomes, CNRS, Lyon, France	Low Pressure Carbon Dioxide Capture and Utilisation using Porous Ionic Liquids - Panel #2-4

Panel #2-1 – Chair: Cameron Weber and Alyssa Gilbert, Judge: Debra Bernhardt; <https://monash.zoom.us/j/89479110819?pwd=RVJrUmloelJwUzJxcGRrVFZmRFZ4UT09>

Panel #2-2 – Chair: Sachini P and Karolina Matuszek, Judge: Rob Atkin; <https://monash.zoom.us/j/85018189434?pwd=dUtWMTNZQTZCSmc5Z0kyYWdsMmdPUT09>

Panel #2-3 – Chair: Peter Halat and Hua Li, Judge: Maria Forsyth; <https://monash.zoom.us/j/85602067453?pwd=VFd0SXhSb1pMdUUh3UnUrZzVkQnk0QT09>

Panel #2-4 – Chair: Stuart Brown, Hank Han and Tam Greaves, Judge: Jenny Pringle; <https://monash.zoom.us/j/89846988162?pwd=QzdJTlBMOTJmV3RabW1tOE1PdHBNQT09>

Poster Session

Tuesday Day 1: <https://unsw.zoom.us/j/81397803927>

Wednesday Day 2: <https://unsw.zoom.us/j/87376379866>

	Presenter	Judge	Title
1	Yunxiao Zhang, University of WA	Mega Kar	Potential-Dependent Superlubricity of Ionic Liquids on Graphite Surface
2	Lucas Wong, University of WA	Mega Kar	Chain Dimensions of Polymeric Ionic Liquids through Small-Angle Neutron Scattering
3	Joshua Buzolic, University of WA	Mega Kar	Interfacial Nanostructure of Amphiphilic Deep Eutectic Solvents
4	Dale Duncan, Monash University	Hua Li	Temperature-dependant Solubility Determination of Sodium Salts for Sodium-ion Secondary Batteries
5	The An Ha, Deakin University	Hua Li	Understanding the Discharge Products Formation in Ionic Liquids Based Na-O ₂ batteries and Strategy to Limit Side Reactions
6	Jeffrey Black, University of NSW	Christina Pozo-Gonzalo	Chemical Transformations by Thermomechanical Stresses Revealed by TOF-SIMS Analysis
7	Nikhil Kumar, IIT Guwahati, India	Christina Pozo-Gonzalo	Investigating the Solubility of Petroleum Asphaltene in Deep Eutectic Solvents and their Interaction using COSMO-RS
8	Nikhil Avula, JNCASR, India	Christina Pozo-Gonzalo	A Bespoke Force Field for DEME-TFSI Ionic Liquid
9	Maxwell Coney, University of NSW	Christina Pozo-Gonzalo	Investigating the Effects of An Ionic Liquid on the Nucleofugality of Chloride
10	Sachini Kadaoluwa Pathirannahalage, RMIT University	Luke O'Dell	Effect of Surfactant Ionicity on Critical Micelle Concentration in Aqueous Ionic Liquid Mixtures
11	Wade Millar, University of WA	Luke O'Dell	Graphite Infused Ionic Liquid Greases
12	Dhirendra Kumar Mishra, IIT Guwahati, India	Luke O'Dell	Ionic Liquid Based Deep Eutectic Solvents Aided Thermal Dehydrogenation of Chemical Hydrides

13	Longkun Xu, Australian National University	Christina Pozo-Gonzalo	Ordered Solvents and Ionic Liquids Can be Harnessed for Electrostatic Catalysis
14	Nanditha Sirigiri, Deakin University	Hua Li	Combined Experimental and Simulation Understanding of Structure, Dynamics and Temperature Dependent Phase Transitions in Novel Ammonium based Organic Ionic Plastic Crystals
15	Faezeh Makhlooghiazad, Deakin University	Hua Li	Improved High Temperature Cycling Sodium Vanadium Phosphate Cathodes using NaFSI Rich Organic Ionic Plastic Crystal Electrolyte
16	Sneha Malunavar, Deakin University	Cameron Webber	Study of Ion Gel Electrolytes for Na-battery Application Comprising of OIPC/Na-salt/Electrospun PVDF Nanofiber
17	Kalani Periyapperuma, Deakin University	Cameron Webber	Towards Sustainable Nd Recovery: An Electrochemical Approach Using Fluorine-Free Ionic Liquid Electrolytes
18	Fernando Ramos, Deakin University	Luke O'Dell	Solid Ionic Composite Membranes for CO ₂ Separation
19	Andrew Hsieh, University of NSW	Luke O'Dell	Investigating the Effects of Ionic Liquids on Cyclisation Reactions
20	Samantha Piper, Monash University	Cameron Webber	Thermal Energy Storage in Ionic Liquids/Organic Salts
21	Anna Warrington, Deakin University	Cameron Webber	Development of New Ionic Electrolytes with Ethoxy Side Chains
22	Shanika Abeysooriya, Deakin University	Cameron Webber	Development of Mixed Organic Ionic Plastic Crystal Electrolytes for Energy Storage
23	Frederick Nti, Deakin University	Mega Kar	Insights into the anion originated interactions in OIPC/PVDF composites