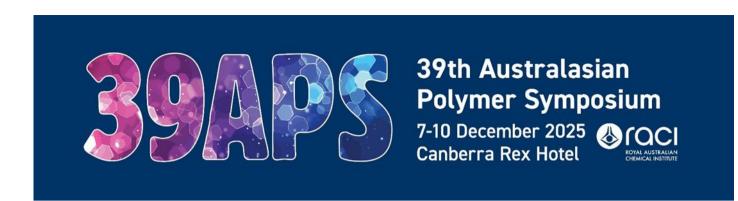
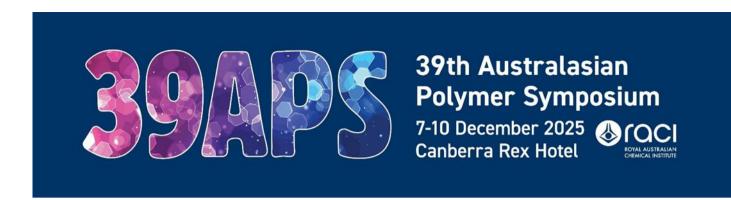


PRELIMINARY PROGRAM

| Sunday 7 December 2025 | | | | |
|------------------------|---|----------|--|--|
| 1100 - 1530 | Exhibitor Bump In | Location | | |
| 1300 - 1700 | Registration Desk Opens | | | |
| 1600 - 1630 | Welcome to the 39th Australasian Polymer Symposium Professor Luke Connal, Convenor | | | |
| 1630 - 1715 | Plenary Presentation 1 Well-Defined Ultra-High Molecular Weight Polymers: From Multifunctional Materials to Mucosal Medicine Brent Sumerlin, University of Florida | | | |
| 1715 – 1745 | David Sangster Awardee The Wonderful Functional World of Poly(Cyclic Imino Ether)s: Exploiting their Chemical Versatility for (Bio)Materials Design A/Prof Kristian Kempe | | | |
| 1800 - 2000 | Welcome Reception | | | |



| Monday 8 De | cember 2025 | | | | |
|-------------|---|--|--|-------------------------------------|--|
| 0800 - 1800 | Registration Desk Opens | | | | |
| 0800 - 1800 | Speaker Room Opens | | | | |
| 0830 - 1600 | Trade Exhibition Opens | | | | |
| | Plenary Session | | | | |
| 0900 – 0910 | Welcome to Day 2 | | | | |
| | Plenary Presentation 2 | | | | |
| 0910 - 0955 | The Design of Stimuli Responsive Ma | terials: From Drug Delivery to Advanced Manu | ufacturing | | |
| | Prof Georgina Such, The University of | f Melbourne | | | |
| 0955 - 1025 | Morning Refreshments & Trade Exhi | bition | | | |
| | Polymers for Health | Advanced Polymer Synthesis and Characterisation | Polymer Sustainability | Composites, Colloids and Processing | |
| Location: | | | | | |
| Chair: | Dr Johannes C Brendel & Dr Kristian Kempe University of Bayreuth & Monash University | A/Prof Markus Muellner The University of Sydney | Dr Zhongfan Jia Flinders University | Dr Nathan Boase QUT | |



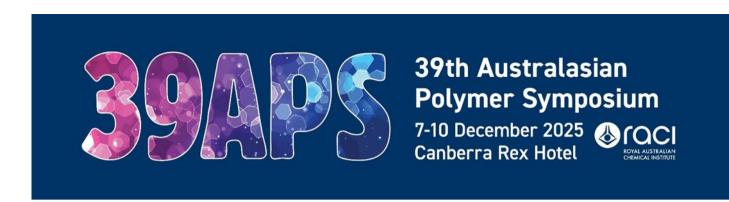
| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
|-------------|---|--|--|---|
| 1030 – 1100 | Commercialisation of complex polymers for medical use and regulatory considerations Stewart Bartlett & Dr Melanie Nelson Ferronova Pty Ltd | Sugar, Polyphenolic, and Catechol Motifs for Polymeric Materials Dr Samantha Kristufek Texas Tech University | Biodegradable polyhydroxyalkanoates — toughening, modification and applications Prof Bronwyn Laycock The University of Queensland | Polymer brushes: A platform for understanding specific ion effects and hypersaline environments Prof Erica Wanless University of Newcastle |
| 1100 - 1115 | Modular Dendronised Amphiphilic Peptide Oligomers as a platform for nucleic acid delivery Lennart Schaefer University of Western Australia | Exploitation of Triazine-Based Hydrogen Bonding Motifs in Soft -Hard Diblock Copolymers via RAFT Emulsion Polymerization: Synthesis and Film Formation Farah Haque University of New South Wales | Biobased Polymers from Biomass: Thiol—ene Polymerisation of Levoglucosenone-based Monomers Mr Mahesh Timilsina University of Tasmania | Flame-retardant Coating based on Natural Rubber Latex and Acrylic Emulsion Blends Dr Nabil Hayeemasae Prince of Songkla University |
| 1115 - 1130 | Synthetic mimics of natural proteins Dr Robert Chapman University of Newcastle | Multiblock Copolymer Nanoparticles from RAFT Emulsion Polymerization: Synthesis and Film Formation Seyed Ahmad Ayati Najafabadi University of New South Wales | Selective sequestration of palladium(II) cations using a supramolecular polymer approach Jason Buchanan Australian National University | Defect Free Rubbery Hyperbranched PEG-based Gas Diffusion Membranes Tommy Hatzimanolis Australian Institute for Bioengineering and Nanotechnology |



| 1130 – 1145 | Don't FRET About It: Investigating Polymer and Nucleic Acid complexation for siRNA cancer therapies with Förster Resonance Energy Transfer (FRET) Jarrod Hillyer University of New South Wales | Standard Melting Enthalpy of Polycaprolactone Determination Through a Sequence-defined Oligocaprolactone Synthesis Approach Thayanithi Ayyachi Queensland University of Technology | Recyclable Polyethylene Analogs by Trisulfide Metathesis Polymerization James Smith Flinders University | Bioinspired mechanochromic vitrimers based on chiral nematic cellulose nanocrystals Dr David Mendoza Monash University |
|-------------|--|--|---|---|
| 1145 - 1200 | Controlled Drug Release Properties from PEDOT Cyclodextrin Composite Nanofilms Synthesised Using Surface Tethered Dopant Templating Williams Kweku Darkwah Deakin University | Flash DSC Characterization of Crystallization Kinetics in the Recycled PE/PP Blends and their Calcium Carbonate Composites Dr Wenbing Hu Nanjing University | Sustainable production and chemical modification of unsaturated polyhydroxyalkanoates via waste valorisation and plasticization Fatema Tuz Zohora Monash University | Ultrathin MXene/Nanocrystalline Cellulose Nanocomposite Films with Absorption Dominant EMI Shielding for Future Electronics Yashodha Kondarage Queensland University of Technology |
| 1200 – 1215 | Engineering next generation bioinspired antibacterial polymers Sandra Jestin Australian National University | Synthesis and Ring Opening Metathesis Polymerisation of O- Dialkoxy Paracyclophanedienes Dr Yurachat Janpatompong The University of Manchester | Making and unmaking poly(trisulfides): Recyclable plastics, IR optics, and gold sorbents Prof Justin Chalker Flinders University | An advanced automated continuous flow platform for high-throughput screening and autonomous particle size targeting in block copolymer self-assembly Lakshani Weerarathna Monash University |



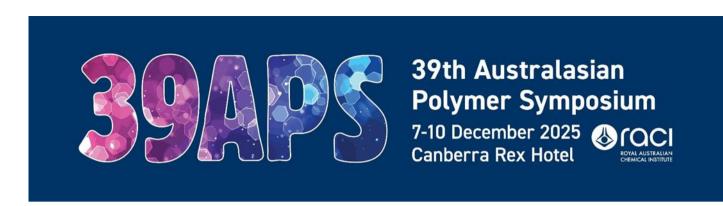
| 1215 - 1230 | Predictive Modelling of Solvent Effects on Drug Incorporation into Polymeric Nanocarriers: A Machine Learning Approach Wei Ge University of New South Wales | Molar mass determination: Why Spectroscopy Can be Better than Chromatography Prof Tanja Junkers Monash University | Plastics as Insect Food: Design and Environmental Impact of Alternative Plastics Dr Nicholas Chan Commonwealth Scientific and Industrial Research Organisation (CSIRO) | Antibacterial PLA by incorporating polymer-coated nanoparticles Dr Ivan Restrepo University Alberto Hurtado |
|-------------|---|---|--|--|
| 1230 - 1245 | Polymer Inhibitors of Penicillinase for Fighting Antimicrobial Resistance Palace Carter University of Newcastle | Simplifying synthesis through single- step polymer grafting Dr Joel Hooper Monash University | Enhancing Chemical Recycling via Controlled Radical Polymerization Using Continuous Flow Dr Gayathri Dev Ammini Monash University | Atomic-Level Regulation on Photocatalyst for Energy-Related Reaction Dr Jingrun Ran University of Adelaide |
| 1245 - 1300 | High-Performance Surface Polymer Brushes for Antifouling and Antibacterial Applications Dr Changkui Fu The University of Queensland | Rapid Stress-Release in Phenylic Crosslinked Polymers through Thiol- Thioester Exchange Chemistry Dr Md. Daloar Hossain The University of Queensland | Radical Ring-Opening Polymerization of α-Lipoic Acid: A New Strategy for Sustainable Vinyl Polymers Shiwei Han University of New South Wales | |
| 1300 - 1400 | Lunch & Trade Exhibition | | | |
| | | | | 39APS PRELIMINARY PROGRAM |



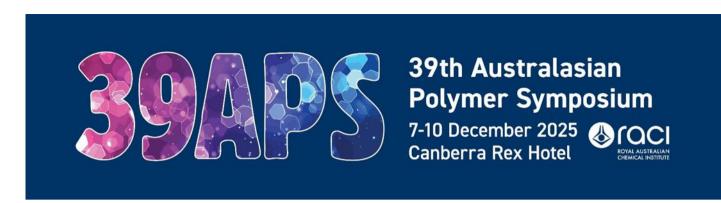
| | Polymers for Health | Advanced polymer synthesis and characterisation | Polymer Sustainability | Composites, colloids and processing |
|-------------|---|--|---|---|
| Location | | | | |
| Chair | Dr Ruirui Qiao University of Queensland | Prof Tanja Junkers Monash University | Prof Justin Chalker Flinders University | Prof Erica Wanless University of Newcastle |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1405 - 1435 | A Spoonful of Sugar: Designing Glycomaterials as Active Therapeutics in Cancer and Beyond Dr Cassandra Callmann The University of Texas at Austin | Dynamic Polymer Networks from Poly(Methacrylic Anhydrides) Prof Devon Shipp Clarkson University | Designs for Recyclable, Degradable, More Sustainable Polymers Dr Graeme Moad CSIRO | Unlocking the potential of piezoelectric and triboelectric polymers and their composites Prof Amanda Ellis The University of Melbourne |
| 1435 - 1450 | Sublingual Carboxymethylcellulose Film Containing Millingtonia hortensis Extract Exerts Anxiolytic Effects in Mice Dr Nifareeda Samerphob Prince of Songkla University | Beyond binding: A high-throughput approach for designing polymers suitable for enzyme encapsulation Carolin Bapp University of Newcastle | Functionalisation of poly(3-hydroxybutyrate) via catalyst-free aminolysis Jayalakshmi Jayaprakash Monash University | Designing multifunctional waterborne polymer nanocomposites Dr Vipul Agarwal University of New South Wales |



| 1450 – 1505 | Tuning Lipoamide Delivery Systems for Enhanced Gene Delivery Dr Umeka Nayanathara The University of Melbourne Baker Heart & Diabetes Institute | Exploring Phenyl Vinyl Ketone Polymers as Non-Chemically Amplified Photoresists for EUV Lithography Yining Du The University of Queensland | Polymers from Cellulosic Waste: Direct Polymerization using DBU as a Catalyst Dr Brett Pollard Australian National University | Understanding how the interactions and morphology in composites of styrenic rubbers and carbon black define their performance as electrothermal heaters Dr Nathan Boase Queensland University of Technology |
|-------------|---|--|---|---|
| 1505 - 1520 | Advanced Antimicrobial Dendron via Cyclodextrin-Hydrophobic Inclusion Complexes Hao Luo University of New South Wales | Behavior of Photo-Chromic Dyes in Thermoplastic Rigid Polymers Prof Boris Gorelik Mobichem Scientific Engineering Ltd | Biodegradable food packaging materials Mai Trinh Phuong (Mel) Nguyen University of Adelaide | Structural characterisation of the upper critical solution temperature (UCST) thermotransition of an amino acid-containing polymer brush Zachary Di Pietro University of Newcastle |
| 1520 – 1535 | Reductive-Cleavable Enzyme-based Nanoparticles as Multifunctional Biomaterials Saluo Lai University of New South Wales | | Selective Upcycling of Commodity PVC/PET Plastic Mixture via Mechanochemical Reaction Gyeongjin Kwon Yonsei University | |



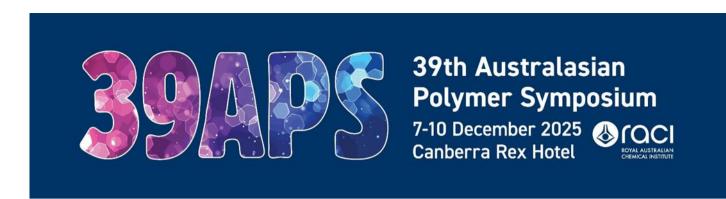
| 1535 – 1605 | Afternoon Refreshments & Trade Exhibition | | | |
|-------------|--|--|--|---|
| | Polymers for Health | Advanced polymer synthesis and characterisation | Polymer Sustainability | Composites, colloids and processing |
| Location | | | | |
| Chair | Dr Edgar Wong University of New South Wales | A/Prof Markus Muellner The University of Sydney | Dr Zhongfan Jia Flinders University | Dr Vipul Agarwal University of New South Wales |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1610 – 1640 | Smart Fluorosurfactant-Enabled Microfluidic Droplet Generation for Tissue Engineering Applications Dr Ruirui Qiao University of Queensland | Photocatalytic Hydrogen Atom Transfer: A Strategy for Controlled Polymer Degradation, Depolymerization, and Functionalization Prof Cyrille Boyer University of New South Wales | Polymerizations with Elemental Sulfur and Commodity Sulfur Chemicals for High Performance Plastics Prof Jeffrey Pyun University of Arizona | RAFT design of aqueous-dispersed polymer nanostructures for organic electronics and photocatalytic applications Dr Thiago Guimares University of Bordeaux |



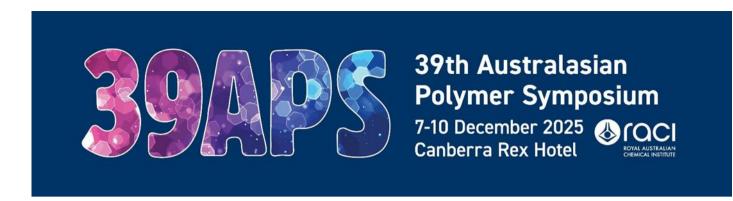
| | | | | Keynote Speaker |
|-------------|--|---|---|---|
| 1640 – 1655 | Unravelling the Mechanisms of Endosomal Escape via Emulsion Polymeric Nanoparticles for Improved Intracellular Delivery Sahan Samuditha Pathirannahalage Melbourne University | Polymer Chain Modification via HAT Chemistry and Its Application in Graft Copolymer Synthesis Manish Kumar University of New South Wales | A Sustainable High-Performance Polyurethane Coating with a Novel Acylhydrazone Diol Dr Donya Ramimoghadam CSIRO | Electrochemical characteristics of graphene based supercapacitor electrodes |
| 1655 - 1710 | RAFT Polymer-Modified Magnesium Hydride for Precision-Controlled Hydrogen Release in Biomedical Applications Tairan Quan University of New South Wales | Polystyrene-b-poly(tert-butyl acrylate) Copolymers via RAFT Emulsion Polymerization: Nanoparticle Morphology Tuning by Selective Hydrolysis Alireza Khatibi University of New South Wales | Continuous, Low Energy, Depolymerisation of Plastics Dr Samuel Smith CSIRO | Dr Soney C George Amal Jyothi College of Engineering |
| 1715 - 1845 | Poster Session | • | | |
| 1720 - 1723 | RAPID FIRE Performance of Glass Fibre Reinforced Pared Ng University of Canterbury | olymer Composites in Cryogenic Environ | ments | |



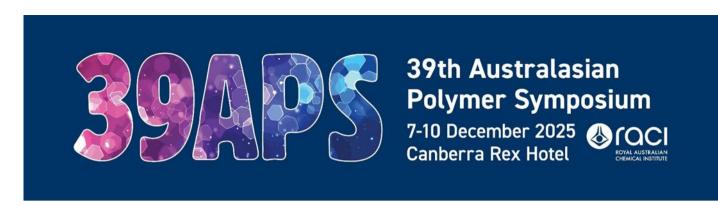
| Tuesday 9 December 2025 | | | | | | |
|-------------------------|---|---|---------------------|-------------------------------|--|--|
| 0800 - 1800 | Registration Desk Opens | | | | | |
| 0800 - 1800 | Speaker Room Opens | | | | | |
| 0830 - 1600 | Trade Exhibition Opens | | | | | |
| | Plenary Session | Plenary Session | | | | |
| 0900 – 0910 | Welcome Day 3 and Housekeeping | | | | | |
| | Plenary Presentation 3 – | | | | | |
| 0910 - 0955 | Supramolecular Plastics for a Sustainal | ble Future | | | | |
| | Dr Takuzo Aida, The University of Tok | yo | | | | |
| 0955 - 1025 | Morning Refreshments & Trade Exhib | ition | | | | |
| | Polymers for Health | Advanced polymer synthesis and characterisation | Polymers in Energy | Biomaterials | | |
| Location | | | | | | |
| Chair | Dr Cassandra Callmann | Prof Tanja Junkers | Prof Justin Chalker | Prof Kristopher Kilian | | |
| Crian | The University of Texas at Austin | Monash University | Flinders University | University of New South Wales | | |



| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
|-------------|---|---|--|---|
| 1030 – 1100 | Static or Dynamic? The Role of Polymer Assembly Dynamics in Biological Interactions Dr Johannes C Brendel University of Bayreuth | Exploring Ring-Opening Polymerization in the Realm of Polyethers Prof Byeong-Su Kim Yonsei University | Trimodal Thermal Energy Storage Materials Dr Karolina Matuszek Monash University | Polymer Therapeutics and Vaccines for Diseases of Unmet Need Prof Cameron Alexander University of Nottingham |
| | Keynote Speaker | | Keynote Speaker | |
| 1100 - 1115 | Macromolecules Dr Edgar Wong University of New South Wales Dr Edgar Wong University of New South Wales | Sulfur-Rich Polymers for Sustainable and High-Performance Triboelectric Energy Harvesting | Development of Hydrogels for Artificial Epidermis Applications Lilian Boton Australian National University | |
| 1115- 1130 | | Bottlebrush-Based Signal Transducer Using Solvatochromatic Reporting Chenyou Zhang | Dr Jeong Jae Wie Hanyang University | Polypeptide-based single chain nanoparticles inspired by proteins Devesh Maurya University of New South Wales |



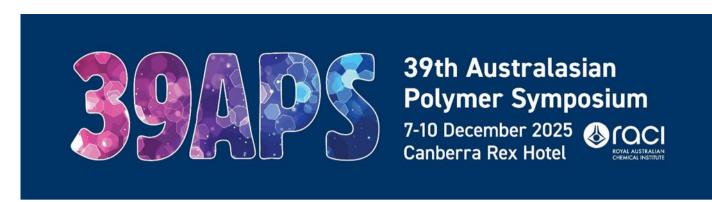
| 1130 – 1145 | Reliable Photopolymerization- Induced Self-Assembly of Protein and Enzyme Loaded Nanoparticles with Precision Control Over the System Variables Irma Vermeijlen The University of Queensland | Quaternary ammonium eutectogels as a printable, antimicrobial material platform Alma Nicolau University of Tasmania | Electrochemical Energy Storage in Polymers: Why and How? Dr Zhongfan Jia Flinders University | Determining the Standard Melting Enthalpy of Polycaprolactone through Fast Scanning Calorimetry aided by Automated Data Analysis through Machine Learning Thayanithi Ayyachi Queensland University of Technology |
|-------------|--|--|---|--|
| 1145 - 1200 | Investigations into Biodistribution of Nanoparticles using Microfluidic in Vitro Models Zeyan Xu University of New South Wales | Enabling Machine Learning for Polymers: Why Its Hard and What We Can Do Chloe Lin Australian National University | Verifying the ionic conductivity and ratio of bound water trade-off in photocatalytic seawater splitting Yihsueh Chen Institute of Materials Science and Engineering | Elucidating Biomacromolecular Architectures through Photochemistry Dr Hendrik Frisch Queensland University of Technology |
| 1200 – 1215 | Gene Delivery with Dual pH- and GSH-responsive Lipoamide Polymers from Controlled Polymerization of Protected Lipoic Acid Fan Yang The University of Melbourne | Self-Assembly of Amorphous and Functional Polymer Nanodiscs in Water A/Prof Markus Muellner The University of Sydney | Advanced polymer microstructure engineering for optimizing 3D printed solid polyelectrolytes Qian Huang University of New South Wales | Oxygen-Tolerant Photo-RAFT-PISA for the In-Situ Synthesis of Reduction-Responsive Protein-Polymer Nanoparticles Dr Vinod Kumar Kannaujiya University of New South Wales |



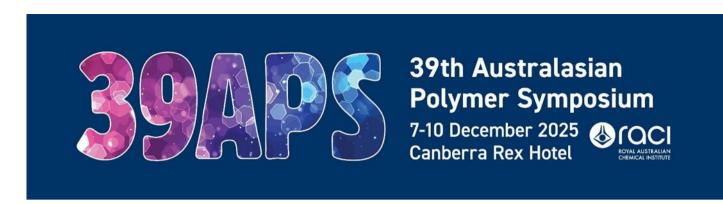
| 1215 - 1230 | pH-Responsive Bottlebrush Copolymer Nanodiscs with Tunable Size for Combating Cell Metastasis Ping Zeng The University of Sydney | Ultra-high molecular weight polymeric hydrogels Md Saifur Rahaman Australian National University | Anion Exchange Membrane Based on Tröger's Base Polymers of Intrinsic Microporosity Dr Basiram Brahma Narzary University of Queensland | Porous Polymer-Gel Hybrid Scaffolds for Tissue Engineering Prof Neil Cameron Monash University |
|-------------|--|--|--|--|
| 1230 - 1245 | The development of self-immolative nanoparticles to enhance endosomal escape Vajini Ukwattage The University of Melbourne | | Cyclodextrin - Based Polymer Gels as High-Performance Cathode Materials for Four–Electron Zinc – Iodine Batteries Shangxu Jiang Flinders University | |
| 1245 - 1345 | Lunch & Trade Exhibition | | | |



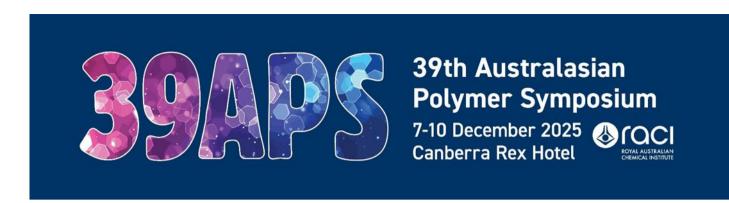
| | Polymers in Industry and Translation With thanks to our Theme Sponsor DAVIES COLLISON CAVE | Additive Manufacturing | Polymers in Energy | Biomaterials |
|-------------|--|---|--|--|
| Location | | | | |
| Chair | Dr Tim Davey Dulux | Dr Ali Bagheri University of New England | Dr Zhongfan Jia Flinders University | Dr Jan Lauko University of Queensland |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1350 - 1420 | CO2-Switchable Surfactants Enhance the Water Resistance of Latex-Based Coatings Prof Michael Cunningham Queens University | Using the (light-)switch in light- based 3D printing to create property-changes on demand Dr Katharina Ehrmann Technische Universität Wien | Organic Electrode-Active Materials for Polymer Batteries Dr Kenichi Oyaizu Waseda University | Engineering blood vessels and vascularized tissues: key steps towards clinical translation of tissue engineering Prof Andrea O'Connor The University of Melbourne |



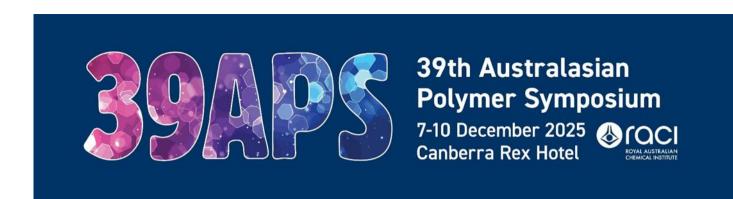
| | Keynote Speaker | | | |
|-------------|---|---|--|--|
| 1420 – 1435 | Solving Australia's plastic waste challenges through industry-driven | Fabrication of Lipoic Acid-Based Nanoporous Networks via Photoinitiated Polymerization- Induced Microphase Separation Xueheng Dai University of New South Wales | Band Engineering of Poly[Ni ₂ -ettbtt] Unlocks Record Performance in a 1D n-Type Thermoelectric Polymer Dr Jahanzeb Khan King Fahad University of Petroleum and Minerals | Polymer implants for delivery of vaccine boosters Prof Tim Dargaville Queensland University of Technology |
| 1435 - 1450 | collaborative research Dr Ian Dagley Solving Plastic Waste CRC | Xolography for Rapid Volumetric Production of materials from the Nanoscopic to Macroscopic Length Scales Xichuan Li University of New South Wales | Radical oligomer-grafted cellulose as a cathode for sustainable aqueous zinc ion battery Chanaka Mudugamuwa Flinders University | Influence of AFM cantilever calibration and contact mechanics modelling on the nanomechanical properties of protein films Kshitij Thapa University of Canterbury |



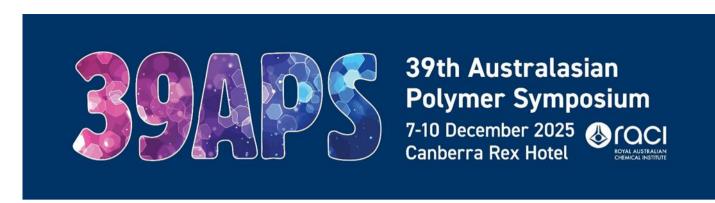
| 1450- 1505 | Finding your next research idea in the patent literature Dr Mitchell Nothling Griffith Hack | 3D Printing Resin Chemistry via Polymerizable Eutectic Mixtures A/Prof Stuart Thickett University of Tasmania | Anhydrous Proton Conducting Membranes based on protic polymerized ionic liquids for Intermediate-Temperature Proton Exchange Membrane Fuel Cells Dr Faezeh Makhlooghiazad Deakin University | Diet impacts on black soldier fly growth and chitin/chitosan production Risa Otake Southern Cross University | |
|-------------|--|---|---|---|--|
| 1505 - 1520 | Polymer Formation in the Caprolactone Monomer Production Process Dr Yurachat Janpatompong The University of Manchester | Open-Air, Ultrafast Photoiniferter Polymerisation Enables 3D Printing with Low-Viscosity Resins Dong Su University of New South Wales | | Impact of End-Cap Variations on Endosomal Escape of Self-Immolative Polymers Bin Leng The University of Melbourne | |
| 1525 – 1555 | Afternoon Refreshments & Trade Exl | nibition | | | |
| Location | | | | | |
| Chair | Nathan Boase, Queensland University of Technology | | | | |



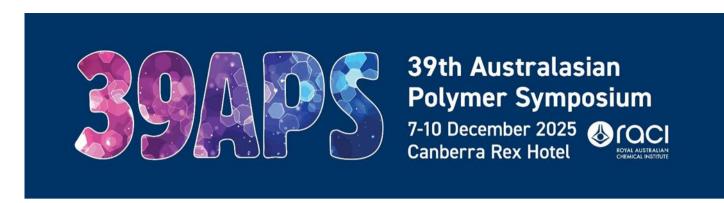
| 1600 - 1620 | Rising Stars in Oz Polymers |
|-------------|--|
| 1620 - 1640 | Morphological Design of Unconventional Polymer Nanostructures and Their Implications in Nanomedicine Dr Valentin Bobrin The University of Queensland |
| 1640 - 1700 | Covalent capture of polymer nanoparticles, vesicles and nanoparticle-stabilised oil droplets on hydrophilic polymer brushes Dr Edwin Johnson University of Newcastle |
| 1720 - 1740 | Making and un-making poly(trisulfides) with light: precise regulation of radical concentrations via pulsed LED irradiation Dr Thomas Nicholls Flinders University |
| 1740 - 1800 | Synthesis of Degradable Vinyl Copolymers Based on Lipoic Acid via Ab Initio Emulsion Polymerization Dr Yasemin Fadil University of New South Wales |
| 1810 - 1910 | Annual General Meeting |
| 1900 – 2030 | Student Night |
| 1900 - 2100 | E/MCRs Night Out |



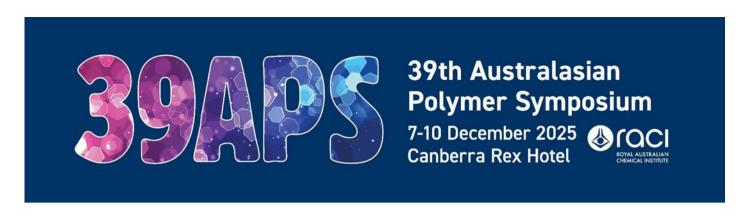
| Wednesday 10 | Wednesday 10 December 2025 | | |
|--------------|---|--|--|
| 0800 - 1600 | Registration Desk Open | | |
| 0800 - 1600 | Speaker Room Opens | | |
| 0830 - 1545 | Trade Exhibition Opens | | |
| | Plenary Session | | |
| 0900 – 0910 | Welcome Day 4 and Housekeeping | | |
| 0910 - 0955 | Plenary Presentation 4 Synthesis as a Tool for Expanding the Scope of Semiconducting Polymers Dr Christine Luscombe, Okinawa Institute of Science and Technology | | |
| 0955 - 1025 | Morning Refreshments & Trade Exhibition | | |



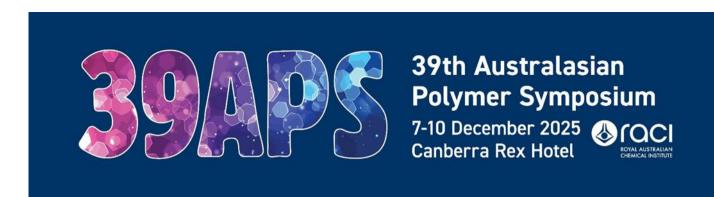
| | Polymers in Industry and Translation With thanks to our Theme Sponsor DAVIES COLLISON CAVE | Additive Manufacturing | Polymer Sustainability | Composites, colloids and processing |
|-------------|--|---|---|---|
| Location | | | | |
| Chair | Dr Priya Subramanian Dulux | A/Prof Stuart Thickett University of Tasmania | Prof Justin Chalker Flinders University | Dr Thiago Guimares University of Bordeaux |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1030 - 1100 | Polymeric additives in dry-mix mortars to help reduce green house gas emissions Harold Schoonbrood Dow | Title TBC Dr Ali Bagheri University of New England | Title TBC Dr Lalevesh Moghaddam The University of Queensland | High char yield polymers and their application in high temperature composite applications Dr Michael Heitzmann The University of Queensland |



| | Keynote Speaker | Keynote Speaker | | |
|-------------|---|---|---|---|
| 1100 - 1115 | Polymer Banknote Sustainability and | Multiscale Control of Shape and Materials Chemistry in Photoinduced 3D Printing Dr Nathaniel Corrigan University of New South Wales | Degradable Polymer Films: RAFT- mediated Emulsion Copolymerization of Lipoic Acid with Vinyl Monomers Dr Steven Thompson University of New South Wales | Robustness of emulsion-based polymerization techniques for preparation of polymer nanocomposite coatings Yue Zhang University of New South Wales |
| 1115 - 1130 | the Underestimated Art of Upscaling Dr Holger Krumm CCL Secure | | Water harvesting polymers Moki Thanusing Australian National University | Green design of bio-based dual- network keratinpolysaccharide hydrogels with enhanced structural integrity Junfeng Wu University of Canterbury |
| 1130 – 1145 | Poly(hydroxybutyrate)-based Smart Films for Drug Delivery Applications. Dr Vinod Kumar Kannaujiya University of New South Wales | Nanostructure control of 3D printed materials by macromolecular architecture design Di Wu University of New South Wales | Enzymatic epoxy-acid vitrimer curing explored by model reactions and rheology April Synhur Monash University | Mechanically and Electrically Robust Polymer/rGO Nanocomposite Coatings Synthesis via Miniemulsion Polymerization for Corrosion Protection of Steel Siti Humairah Harun University of New South Wales |



| 1145 - 1200 | Characterising the multiple-plastic degrading strain of Bacillus subtilis GM_03 from the Galleria mellonella microbiome Fiona Facey Macquarie University | Thermosett Copolymer : Yuan Xiu | /riting of Nanostructured ing Materials via Block Self-Assembly of New South Wales | Enzyme-Inspired Desig Supported Catalysts fo Electrochemistry Imogen Smith Flinders University | • | RAPID FIRE Performance of Glass Fibre Reinforced Polymer Composites in Cryogenic Environments Jared Ng University of Canterbury |
|-------------|--|---------------------------------------|---|--|---|---|
| 1200 – 1215 | Advances in Light Scattering Detection for the Characterization of Polymers Used in Drug Delivery Dr Snezana Dordevic Tosoh Bioscience | | | | | |
| 1215 - 1315 | Lunch & Trade Exhibition | | | | | |
| | Polymers in Industry and Transl With thanks to our Theme Spot DAVIES COLLISON CAVE | | Polymer Sust | ainability | | Biomaterials |



| Location | | | |
|-------------|--|---|---|
| Chair | Dr Ramon Tozer Davies Collison Cave | Dr Zhongfan Jia Flinders University | Prof Kristopher Kilian University of New South Wales |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1320 - 1350 | Translational Research – From Benchtop to Banknote Sani Muke Reserve Bank of Australia | Measuring Quality and Quantity when Recycling Plastics Prof Michael Shaver University of Manchester | Phototunable control of hydrogel stress relaxation for creating 3D cellular microenvironments Prof Steven Caliari University of Virginia |
| | Keynote Speaker | Keynote Speaker | Keynote Speaker |
| 1350 - 1420 | Bridging synthesis with application of conducting polymers Prof Drew Evans University of South Australia | Sustainable Polymer and Composite development at CSIRO Dr Ranya Simons CSIRO | Elucidating distinct roles of extracellular matrix in cardiac aging Asst Prof Jennifer Young National University of Singapore |
| 1420 - 1450 | Afternoon Refreshments & Trade Exhibition | | |



| | Plenary Session |
|-------------|---|
| 1455 - 1540 | Plenary Presentation 5 Pushing the Limits of Polymer Science through Sustainable Building Blocks Craig Hawker |
| 1540 - 1600 | Awards Presentation & Symposium Conclusion Professor Luke Connal, Australian National University |
| 1900 - 2300 | Symposium Dinner |