



# **Conference Programme**

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# Day One – 9<sup>th</sup> April 2025

11:00	Registration
13:00	Welcome and Introduction Panagiotis Manesiotis, Haresh Manyar, Andrew Marr, Patricia Marr
13:20	Global Thought Leaders Panel Discussion Chairs - Andrew Marr, Patricia Marr
15:20	The 40 Shades of Green Chemistry Paul Anastas Yale University Chair - Andrew Marr
16:00	Coffee Break
16:30	TBC Julie Zimmerman Yale University Chair - Patricia Marr
17:10	Delegate Information Session Haresh Manyar
17:20	Reception - Poster Session and Exhibitors Sponsored by Almac
19:00	Day One - Close
20:00	





## Day Two – 10<sup>th</sup> April 2025

08:50	Welcome and Introduction	
	Session Chair - Patricia Marr	
09:00	Teaching Green Chemistry in a Changing World  Martyn Poliakoff  University of Nottingham	
09:40	Bio-Based Platform Chemicals from Local Plant Oils by Selective Semi- Hydrogenation and Homogeneous Catalysis Thomas Seidensticker TU Dortmund	
10:00	Accelerating Development of Green Chemistry Technologies Through Cross- Sector Collaboration Adelina Voutchkova ACS Green Chemistry Institute	
10:40	Coffee Break	
	Session Chair - Andrew Marr	
11:00	From Flexible to Adaptive: Dynamic Systems to Control the Performance of Catalysts Walter Leitner Max Planck Institute for Chemical Energy Conversion	
11:40	Sustainable Chemistry & Engineering for Education, Outreach and Recruitment Kevin Morgan Queen's University Belfast	





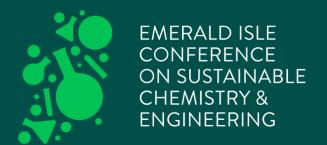


12:00	Electrochemical Biomass High Product Selectivity? Adam Slabon Bergische Universität Wu		
	Flash Session One		
	James Metcalf	Atmospheric Degradation of New "Green" Solvents	
12:20	Philippa Jacob	Machine Learning for Polymer Biodegradability	
	Víctor Sans Sangorrín	Digital Synthetic Platforms for the Efficient Capture and Valorisation of Carbon Dioxide into Added Valued Chemicals	
Sustainable Monomers and Polymers		and Polymers	
12:50	Steve Howdle University of Nottingham		
13:10	Lunch		
	Session Chair - Gosia Swadzba-Kwasny		
14:00	Sustainability: Who Gives a Cr*p?  Mike George		
	University of Nottinghan	1	
14:40	Small but Feisty: How Singapore Turns CO2 Problems into Greener Solutions Bella		
		for Chemicals, Energy and Environment (ISCE <sup>2</sup> )	
	New Ways of Building Carbon Chains - From Fischer Tropsch to New Synthetic Routes		
15:00	Andreas J. Vorholt	Chemical Energy Conversion	





15:20	Genes to GMP: How A Enzymes Stefan Mix Almac	API Manufacture is 'Going Green' with Engineered	
15:40	Coffee Break		
16:00	Biobased Reversible F Antonio Patti Monash University	Photo-Responsive Polymers for Useful Applications	
16:20	Ionic Liquids Technology for Polyurethane Foam Waste Depolymerization Pedro Lozano Rodriguez University of Murcia		
	Session Chair - Haresl	h Manyar	
	Flash Session Two		
	Jane Mueller	IN Silico Informed metaGenomic Harvesting Technology - (INSIGHT) - How a Smart Platform Can Accelerate the Timelines of Genes-to-GMP	
16:40	Thomas Freese	Photochemical Production of Bio-Based Building Blocks as Acrylate Replacements	
	Shanika Yadav	Inspiring Innovation in Green Chemistry - Startup Support Network KOALA	
17:10	Recombinant Enzyme Martin Rebroš	Crude Glycerol – Microbial Substrate for Production of Intermediates and Recombinant Enzymes Martin Rebroš Slovak University of Technology	
17:30	Green Catalytic Chem Johannes A. Lercher TU München	nistry for the Energy Transition	





18:10	Poster Session and Exhibitors Sponsored by Institute of Chemistry of Ireland
19:30	Day Two - Close





## Day Three – 11<sup>th</sup> April 2025

08:50	Welcome and Introduction	n
	Session Chair – Gary Sheld	drake
09:00	Hotspot Driven Research i Philip Jessop Queen's University at King	in Green and Sustainable Chemistry gston
	Flash Session Three	
	Elisa Isabel García-López	Carbon Nitride Based Composites Photocatalysts Prepared with Materials Arising from Spent Li- Batteries for the Photoreforming of Biomass Residues
09:40	Sarmad Ahmad Qamar	Bioplastics from 'Annurca' Apple Cellulose Doped with Polyphenolic Compounds for 'Active' Food Packaging Applications
	Neil Robinson	Measuring Nuclear Spin Dynamics in Sustainable Engineering Systems
10:10	Recent Developments in A Pat Guiry University College Dublin	symmetric Synthesis and Catalysis
10:50	Coffee Break	





	Session Chairs – Adelina	a Voutchkova, Isamir Martinez	
	ACS GCI Pharmaceutical Roundtable Workshop  Green Chemistry Tools and Metrics to Design Sustainable Processes		
	Nathan McCormack	lpsen	
11:10	David Entwistle	Codexis	
	Isamir Martinez	ACS GCI	
	Adelina Voutchkova	ACS GCI	
13:10	Lunch		
	Session Chair – Haresh	Manyar	
14:00	Mechanochemistry and Biopolymers into High V Audrey H. Moores McGill University	Aging-Based Methods as Novel Tools to Transform Value Materials	
14:40	The Journey from Lab to Earth Magnets Peter Nockemann Queen's University Belf	o Industry – A Sustainable Recycling Technology for Rare	
15:00	Catalysis and Sustainab Javier Pérez-Ramírez ETH Zurich	ility from Atom to Planetary Scale	





Session Chair – Panagiotis Manesiotis
Poster and Flash Prizes Sponsored by Royal Society of Chemistry and ACS Publications

Conference Close

16:00 Chris Johnson

Department for Science, Innovation and Technology

15:40