	Sunday 4th December
Time	
12.00	
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15.00	
15.20	
15.40	
16.00	Registration
16.20	Location: Foyer G81
16.40	
17.00	
17.20	
17.40	
18.00	Welcome Reception
18.20	(Chair: Mikel Duke and Xiwang Zhang)
18.40	Location: Foyer G81
19.00	
19.20	
19.40	
20.00	

	day 5th December			
Time	day Stn December			
8		Registration Location: Foyer G81		
9.00		Conference Welcome (Chair: Mikel Duke and Xiwang Zhang)		
9.10		Location: G81 Main Conference room Plenary 1		
		Prof. Jerry Lin (Arizona State)		
		Location: G81 Main Conference room Chairs: Prof Mikel Duke		
		Chairs: Prof Mikel Duke		
40.40		Mode Fo		
10.10		Morning Tea		
11.00		Plenary 2		
		Prof. Amy Childress (University of Southern California) Location: G81 Main Conference room		
		Chairs: Prof Stephen Gray		
12.00		Lunch		
	Session 1a	Session 1b	Session 1c	Session 1d
	Membrane Materials Location: Room 101	Membrane Processes Location: G03	Membrane Materials Location: G81	Inorganic Membranes and Gas Separation Location: Room 132
	Chairs: Peter Budd and Mikel Duke	Chairs: Faisal Hai and Nicholas Low	Chairs: Huanting Wang and Colin Scholes	Chair: Sandra Kentish and Kumar Agrawal
13.00	Peter Budd, University of Manchester, KEYNOTE	Suzana Nunes, King Abdullah University of Science and Technology, KEYNOTE REMOTE** Thin film panofiltration membranes for the chemical industry integrated asymmetric and interfacial polymerication approaches	Huanting Wang, Monash University, KEYNOTE Nanofluidic membranes for molecular and ionic separations	Hideto Matsuyama, Kobe University, KEYNOTE REMOTE**
	Ringing the changes in PIM topology	Thin film nanofiltration membranes for the chemical industry: integrated asymmetric and interfacial polymerization approaches	Nanofluidic membranes for molecular and ionic separations	Organic solvent mixture separation using Organic Solvent Reverse Osmosis (OSRO) membranes
13.20				
13.30 13.40	Rijia Lin, The University of Queensland Interfacial Engineering of Metal-Orzanic Framework Glass Composites	Faisal Hai, University of Wollongong, KEYNOTE	QHei Song, Imperial College London, INVITED REMOTE** Innovation in Ion-Selective Membranes for Electrochemical Energy Storage	Sandra Kentish, The University of Melbourne, KEYNOTE Greenhouse Gas Capture – Recent Results
		Coupling horseradish peroxidase based bioreactor with membrane distillation: elucidating antibiotics degradation and membrane fouling mitigation		Greeninuse Gas Lapture – Récent Résults
13.50 14.00	Jianhua Zhang, Victoris University Study of MOF incorporated dual layer membrane with enhanced removal of ammonia and per-/poly-fluoroalkyl substances (PFAS) in landfill leachate treatment	Hugo Taligrot, Aix Marseille	Kyle Engel, The University of Auckland Additive Manufacturing of Ionically Conductive Polymer Membrane Artificial Muscles	Wibke Zangler, RWTH Aachen
		Hugo Langrot, Alx Marseine Removal of viruses in fresh water by low pressure reverse comosis: application to the water production for human consumption		WINKE ZANGER, KW IN ASICHE Freestanding Fe304-incorporated porous carbon monoliths for application in heterogenous electro-Fenton membrane contactors
14.10	Yiquan Deng, UQ		Helene Rouault, CEA-Grenoble	
14.20	Litihium Salt Production using Membrane Percrystallisation	Stefan Koel, Pentair X-Flow Using selected natural viruses for a novel integrity method for capillary ultrafiltration membranes.	Ionic Conductive Hybrid Polymer Membrane for Lithium ion Batteries	Dema Almasri, Hamad Bin Khalifa University Δ novel clas-based ceramic membrane for wastewater treatment
14.30	Mitra Golgoli, Edith Cowan University		Yuta Nishina, Okayama University, INVITED	
14.40	Microplastic fouling mitigation of polysulfone ultrafiltration membrane via incorporating metal-organic frameworks (MOFs)	Militon Chai, The University of Queensland Bilayer metal-organic framework membrane for Rhium extraction	Efficient and Controlled Preparation of Graphene-Based Materials and Their Application for Water Purification	Kumar Agrawal, EPFL A-scale Chemistry & Enginnering of Two-Dimensional Materials for Energy-Efficient Molecular Separation
15.00		Afternoon Tea		
		Registration		
	Session 2a		Session 2c	Session 2d
	Membrane Applications	Registration Location: Foper 681 Session 25 Membrane Processes	Membrane Materials	Gas Separation
	Membrane Applications Location: Room 101	Registration Location: Poyer 681 Session 29 Membrane Processes Location: Gg3	Membrane Materials Location: G81	Gas Separation Location: Room 132
15.30	Membrane Applications Location: Room 101 Chin:: Yung Chang and George Chen Yung Chang, Ching Yung Chinity, MEMOTE	Registration Location: Foyer GS1 Session 29 Membrane Processes Location: GS1 Charles Annual Charles Location: GS1 Charles Charles (Annual Charles Enrico Drief), University of Calabria, KENTOR EMMOTE*	Membrane Materials Location: GS1 Charles: GS2 Charles: Top Prinsu and Impose Hou Ingo Pinnau, King Abdullah University of Science and Ecchnology, KEYNOTE	Gas Separation
15.30	Membrane Applications Location: Room 101	Registration Location: Poyer 681 Session 29 Membrane Processes Location: Gg3	Membrane Materials Location: G81	Gas Separation Location: Room 132
15.30	Membrane Applications Location: Room 101 Chin:: Yung Chang and George Chen Yung Chang, Ching Yung Chinity, MEMOTE	Registration Location: Foyer GS1 Session 29 Membrane Processes Location: GS1 Charles Annual Charles Location: GS1 Charles Charles (Annual Charles Enrico Drief), University of Calabria, KENTOR EMMOTE*	Membrane Materials Location: GS1 Charles: GS2 Charles: Top Prinsu and Impose Hou Ingo Pinnau, King Abdullah University of Science and Ecchnology, KEYNOTE	Gas Separation Location: Room 132 Chair: David Wang and Colin Scholes David Wang, The University of Sydney, NWTED
	Membrane Applications Location: Room 101 Chin:: Yung Chang and George Chen Yung Chang, Ching Yung Chinity, MEMOTE	Registration Location: Foyer GS1 Session 29 Membrane Processes Location: GS1 Charles Annual Charles Location: GS1 Charles Charles (Annual Charles Enrico Drief), University of Calabria, KENTOR EMMOTE*	Membrane Materials Location: GS1 Charles: GS2 Charles: Top Prinsu and Impose Hou Ingo Pinnau, King Abdullah University of Science and Ecchnology, KEYNOTE	Gas Separation Location: Room 132 Chair:: David Wang and Colin Scholes
	Membrane Applications Location: Room 101 Chairs: Yung Chang and George Chen Yung Chang, Ching Yung Chang and George Chen Yung Chang, Ching Yung Christian University, KEYNOTE Bio-inspired Zwitterionic Membranes: Design and Applications Arthi Karunanithi, Indian Institute of Technology-Bombay	Registration Location: Froper 681 Session 25 Membrane Processes Location: 630 Chair: Leonard Tilling and Xianng Zhang Enrico Diriol, University of Calabrin, EXPNOTE REMOTE** Putentailizes and limits of Membrane Distillation and related technologies Stefan Herrmann, RWTH Aachen	Membrane Materials Location: GS1 Location: GS2 Location: GS3 Location: GS3 Location: GS4 Location: GS4 Location: GS4 Location: GS5 Location: GS6 Location: G	Gas Separation Location Room 132 Chairs: David Wang and Colin Scholes David Wang. The University of Sydney, INVITED Highly selective polyetherimide membranes via polymer nanoconfinement for gas separation Colin Scholes, The University of Mebboune, INVITED
15.40	Membrane Applications Location: Room 301 Chiraction: Room 301 Chiraction: Application and Coorge Chen Yung Chang, Ching Yung Chang and George Chen Yung Chang, Ching Yung Christian University, KEYNOTE Bio-inspired Zwitterfonic Membranes: Design and Applications	Registration Location: Foyer 681 Session 29 Membrane Processes Location: 698 Sensor 2 June Cartino Sensor 2 June Enrico Direct Cartino Sensor 2 June Fortentialities and limits of Membrane Distillation and related technologies	Membrane Materials Chaircoinc (St) Ingo Pinnau, King Abdullab University of Science and Technology, KEYNOTE Defect-Free Submicroporous Interfacially Polymerized Thin-Film Composite Membrane: New Opportunities for Cas- and Liquid Separations	Gas Separation Location: Room 132 Chairs: David Wang and Colin Scholes David Wang. The University of Sydney, INVITED Highly selective polyetherimide membranes via polymer rangoconfinement for gas separation
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Time	uesday 6th December			
8.00		Registration Location: Foyer GSI		
9.00	Prof. Tongwen Xu (University of Science and Technology of China) Location: G81 Main Conference room Chairs: Prof Xiwang Zhang			
Morning Tea				
	Session 3a	Session 3b	Session 3c	
	Modelling and Processes	Membrane Applications	Membrane Materials	
	Location: Room G81 Chairs: Ho Kyong Shon and Colin Scholes	Location: Room G03 Chairs: Edward Nxumalo and David Wang	Location: Room 101 Chairs: Amir Razmjou and Xiwang Zhang	
0	Ho Kyong Shon, University of Technology Sydney, KEYNOTE	Edward Nxumalo, University of South Africa, KEYNOTE	Chair Fain Harring and Harring Links	
	Nutrient Recovery in a Circular Economy using Membrane Technology	Opportunities for membrane technology in Africa	Amir Razmjou, Edith Cowan University, INVITED Membranes for Direct Lithium Extraction (DLE)	
)	Jia Wei Chew, Nanyang Technological University, INVITED	Behnam Ghalei, Kyoto University, INVITED REMOTE**	Youwei Jia, The University of Melbourne	
	Understanding membrane fouling by proteins through molecular dynamics simulations and optical coherence tomography	Nano-Featured Gas Separation Membranes for Energy and Environmental Applications	Power from salt: effect of temperature on hydrogen generation from reverse electrodialysis	
0	Shaoheng Ma, CSIRO Effect of different draw solutions on concentration polarisation effect in the forward osmosis process: theoretical modelling and experimental validation	Hanwei Yu, University of Technology Sydney Selective lithium extraction from brines using MOF-based membrane capacitive deionization	Hashim Khan, The University of Sydney Designing bimetallic, Fenton-like, cobalt-based catalysts on silica for advanced oxidation membrane processes	
)	Effect of different data substants of concentration paint substant effect in the formation process, alcoholing unit experimental rainbastan	Secure initial expector for one using the social memorial capacitic deformation	designing contenting remain may count based addings on since to defined distance in membrane processes	
0	Quang Qham, University of Melbourne Separation of water/methanol vapour from hydrogen and carbon dioxide gas at high temperature through polyimide membranes	Sarper Sarp, Swansea University INVITED REMOTE** Analysis of Synthetic Micro and Nano Particles and Chemical Contaminants using Organic and Inorganic Nanofiltration Membranes	Xing Yang, KU Leaven INVITED REMOTE** Development of selective electrodialysis membranes in ion resource recovery	
)		Lunch		
_	Session 4a	Session 4b	Session 4c	
	Membrane Modeling and Materials	Membrane Applications	Materials	
	Location: Room G81 Chairs: Benny Freeman and Feng Li	Location: Room G03 Chairs: Mikel Duke and Elvis Saric	Location: Room 101 Chairs: Zongli Xie and Rakesh Joshi	
	Benny Freeman, The University of Texas at Austin, KEYNOTE		Zongli Xie, CSIRO, KEYNOTE	
	Emerging Basic Science Questions regarding Water and Ion Transport in Polymers for Water Purification and Resource Recovery	Sandra Aristizabal, King Abdullah Univesrity of Science and Technology Closed-Loop Processing of Solvent-resistant Membranes from Commercially Available Polymers	Nanomaterials Enhanced Mixed Matrix Membranes for Efficient Separation of Aqueous Mixtures	
	Feng Li, National University of Singapore High recovery, energy efficient wastewater desalination using highly permeable and anti-fouling hollow fiber membrane: scaling-up from lab to pilot	Hari Balakrishnan, Deakin University 3D printing for porous membrane integrated miniaturized fluidic devices	Derrick Ng, CSIRO Fabrication of dual-layer hollow fibre membranes with intrusion anchored structure for highly stable separation performance in DCMD	
	Luis Esteves, University of Duisburg-Essen Simulation of porous membrane boundary layer in a multi-phase fluid flow	Chen Wang, University of Technology Sydney Novel organic solvent nanofiltration membrane based on inkjet printing-assisted layer-by-layer assembly	Seonguk Ha, Pusan National University Optimizing membrane distillation process for regeneration of high concentration liquid desiccants	
.0	Hoseok Jang, Inha University Evaluation of Dominant Fouling Mechanisms Formed in Porous Membrane treating Greywater using Blocking Laws	Shiyang Huang, The University of New South Wales Developing a novel three-dimensional printing approach for polyamide-based thin-film composite membranes by electrospray technique	Seongeom Jeong, Pusan National University Improvement of membrane distillation performance with 30 printed spacer containing carbon nanotubes	
30	Welldone Moyo, University of South Africa Modeling the antifouling properties of atomic layer deposition surface-modified ceramic nanofiltration membranes	Sanghyun Jeong, Pusan National University Fabrication of joule-heating electrospun polymeric sorbent to improve adsorption/desorption performance of high-viscosity oil	Mahdi Shahrooz, Victoria University Effect of surface interactions on oil adhesion and wetting resistance of poly(acrylic acid)-grafted PVDF membranes in membrane distillation	
50		Afternoon Tea Registration		
		Location: Foyer G81		
	Session 5a Materials and Demonstrations (Online)	Session 5b Miscellaneous Membranes	Session 5c Materials	
	Location: Room G81	Location: Room G03	Location: Room 101	
	Chairs: Mikel Duke and Ludovic Dumee Tzyy Chong, Nanyang Technological University, KEYNOTE REMOTE**	Chairs: Huacheng Zhang and Michel Lefebvre Uwe Beuscher, W. L. Gore & Associates, KEYNOTE REMOTE**	Chair: Simon Smart and Li Gao Wanqin Jin, Nanjing Tech University, KEYNOTE REMOTE**	
	High Recovery Water Reclamation Process	Membrane Applications for Flue Gas Remediation	Exploring novel separation-sensing membrane for clinical diagnosis	
	Chuyang Tang, University of Hong Kong, KEYNOTE REMOTE**	Huacheng Zhang, RMIT, INVITED	Parashuram Kallem, Khalifa University	
	Transport phenomena in thin film composite membranes with an interlayer (TFNi)	Enhanced gating effects in sub-nanofluidic channels	Environmentally friendly amino sulfonic acid zwitterion grafted 2D MXene (Ti3C2TX) robust composite membranes with improved permeability and self-cleaning properties	
			Middle Control of Cont	
	Jianquan Luo, Chinese Academy of Sciences, INVITED REMOTE**		MhdAmmar Haffz, Qatar University Evaluating the performance of forward osmosis as a pre-treatment process for multi-stage flash seawater desalination at a pilot scale	
	Jianquan Luo, Chinese Academy of Sciences, INVITED REMOTE** Reversing divalent salt and small organics retentions of polyamide nanofiltration membrane by regulating charge distribution			
		Michel Lefebvre, Steripak Pty Ltd Recent Applications of Fractal Geometry to Membrane Technology	Masoumeh Zargar, Edith Cowan University Peculiar membranes for efficient removal of microplastics from water	
	Roqaya Ismail, Khalifa University REMOTE** 2witterionic Polydopamine as an Antifouling Agent in Ultrafiltration System			
	**************************************	Emile Cornelissen, Ghent University, INVITED REMOTE*** Using Natural Virus Markers to Safeguard the Integrity of Membrane Plants	Joao Crespo, FCT-NOVA University of Lisbon, INVITED REMOTE** Protein fractionation by membrane processing: please be gentle	
	Tao Hua, Nanyang Technological University REMOTE** Organic matter removal for reverse osmosis fouling mitigation: from lab prototype to pilot plant	Poster Service 4		
		Poster Session 1 Location: Room 101		
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	Wednesday 7th December			
Time 8.00				
	Registration Location: Foyer G81			
9.00	Plenary 4 Dr. Lidietta Giorno (University of Calabria) Location: G81 Main Conference room Chair: Dr Zongli Xie			
10.00		Morning Tea		
-	Session 6a	Session 6b	Session 6c	
10.30	Applications Location: G81 Chair: Elvis Saric and Kecheng Guan	Gas Separation and Materials Location: G03 Chairs: Noreddine Ghaffour and Aaron Thornton	Materials Location: Room 101 Chairs: Ludoxic Dumee and Matthew Hill Matthew Hill, Monash University, KEYNOTE	
10.40	Elvis Saric, Veolia Enviornmental Services, INVITED Application of NF Membranes to Rebuffer Alkalinity in Treated Water for a Produced Water Treatment Process	Noreddine Ghaffour, King Abdullah University of Science and Technology, INVITED Novel feed spacer designs and membrane cleaning using carbon dioxide nucleation for (bio)fouling control	Reversible Oxygen Sorption in MOFS	
11.00	Maedeh Nadimi, Victoria University Membrane distillation of high-strength saline dye solution: effects of salting-out, solution chemistry, and oxidation	Aaron Thornton, CSIRO, INVITED Discovering direct air capture materials using computational modelling	Ludovic Dumee, Khalifa University, INVITED Photo-responsive functional membrane-adsorbents for water desalination - advances and challenges	
11.20	Fanmengling Wang, Monash University Homochiral polymer-graphene oxide nanocomposite membrane for enantioselective separation	Seungiu Kim, The University of Melbourne Thermally Rearranged Nanofibre Membranes for CO2 Stripping	Noel Kaleekkal, National Institute of Technology Calicut Evaluating the role of nanomaterials in tuning the performance of hydrophobic membranes for membrane distillation	
11.40	Kecheng Guan, Kobe University Composite membrane structure with asymmetric wetting properties for membrane distillation	Yi-Chen Lin, The University of Sydney High nitrogen impermeability of polyetherimide (PEI) membrane via interfacial nanoconfinement effect	Yumin Oh, Pusan National University Optimization of gold nanoparticle-plasmonic membrane fabrication for membrane distillation process	
12.00		Lunch		
	Session 7a Water	Session 7b Applications	Session 7c Materials	
	Location: G81	Location: G03	Location: Room 101	
42.00	Chairs: Johannes Vrouwenvelder and Mihail Barboiu	Chairs: Ranil Wickramasinghe and Sally El Maeragawi	Chairs: Joe da Costa and Rakesh Joshi	
13.00	Johannes Vrouwenvelder, KAUST, KEYNOTE Reverse Osmosis Biofouling: Emerging Assessment Tools and Control	Ranil Wickramasinghe, University of Arkansas, KEYNOTE Promoting a circular economy through sustainable wastewater and agricultural residue management	Joe da Costa, The University of Queensland, KEYNOTE Membrane Percrystallisation of Mineral Brines, Food and Pharmaceutical Compounds	
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13.30 13.40	Mihail Barboiu, Institut Europeen des Membranes, KEYNOTE Artificial Water Channels - towards Biomimetic Membranes for Desalination	Tiezheng Tong, Colorado State University, INVITED REMOTE** A tale of two scales: The contrast behaviors and mitigation strategies of gypsum and silica scaling in membrane distillation	Rakesh Joshi, University of New South Wales, INVITED Graphene oxide membranes for purification and separation	
13.50 14.00	Arash Zamyadi, The University of Melbourne Assessing Algae-based Desalination Technologies Using WaterVal National Validation Framework	Sally El Meragawi, Monash University High-Performance Nanofiltration Membranes from Polyphenol–Graphene Oxide Liquid Crystals Prepared Using Natural Extract	Matthias Hesselmann, RWTH Aachen University Why membranes matter: Influence of the ion exchange membrane in holistic process optimization of electrochemical CO2 reduction	
14.10 14.20	Ralph Gonzales, Research Center for Membrane and Film Technology Amine grafting and quaternization of thin film composite membrane for osmotic ammonium enrichment and recovery from industrial wastewater	Sena Yaltur, NX Filtration Resource recovery using direct nanofiltration membranes	Gongping Liu, Nanjing Tech University, INVITED REMOTE** New approach to fabricate PDMS thin-film composite membrane toward CO2 capture	
14.30 14.40	Wangxi Fang, Chinese Academy of Sciences REMOTE** Hydrophilic Microporous Polymer Membranes with High Permselectivity for Ionic and Molecular Separations	Maryse Drouin, Aix-Marseille University SIC membrane performances for marine scrubber water treatment	Shouliang Yi, US Department of Energy National Energy Technology Laboratory, INVITED Advanced Membranes for Selective Ion/Molecular Separation and Bio-electrochemical CO2 Conversion	
14.50 15.00	, , , , , , , , , , , , , , , , , , ,	Afternoon Tea Registration		
15.10		Location: Foyer G81		
	Session 8a Applications	Session 8b Fouling	Session 8c Gas Separation	
	Applications Location: G81	Location: G03	Location: Room 101	
	Chairs: Geoffrey Johnston-Hall and Andrea Merenda	Chairs: Stephen Gray and Filica Wicaksana	Chairs: Ryan Lively and Qiang Fu	
15.20 15.30	Geoffrey Johnston-Hall, DuPont, INVITED Energy Savings with Membrane Technologies in Wastewater Treatment	Stephen Gray, Victoria University, KEYNOTE Membrane Processes for the Circular Economy	Ryan Lively, Georgia Institute of Technology, KEYNOTE Membrane-based fractionation of complex mixtures	
15.50	Andrea Merenda, RMIT University, INVITED Catalytic membrane reactors: current challenges and future outlook in water treatment technologies	Juyoung Lee, Kookmin University Control of Inorganic Fouling in Direct Contact Membrane Distillation by Membrane Vibration: Effect of Vibration Types	Qiang Fu, University of Technology Sydney Polymeric Materials for Efficient Solar Vapour Generation	
16.10	Weonjung Sohn, University of Technology Sydney Membrane bioreactor and reverse osmosis hybrid process for a green fertiliser production	Filicia Wicaksana, The University of Auckland, INVITED Membrane Fouling Mitigation with Water Hammer	Yiming Zhang, Massey University Mixed matrix membranes (MMMs) using an emerging metal-organic framework (MUF-15) for CO2 separation	
16.30	Dongjin Sim, Pusan National University Removal of poly-and perfluorinated compounds using combined process of magnetic activated carbon and ceramic nanofiltration	Mikel Duke, Victoria University Harnessing solar energy for sustainable water treatment by photocatalytic membranes: innovative developments overcoming practical limitations	Muhammad Zulkiffi, University of Queensland Metal Organic Framework Glass Composite Membranes for Gas Separation	
16.50 17.00	Kaiqiang He, Monash University Ultrathin carbon-nanoporous metal oxide composite molecular sieve membrane for hydrogen separation	Yuan Liao, Nankai University, INVITED REMOTE** Mitigation of membrane biofouling via immobilizing Ag-MOFs on composite membrane surface for extractive membrane bioreactor	Nicholas Low, Monash University REMOTE** Pyro-layering Heterostructured Nanosheets as Molecular Sieving Membrane for Selective Hydrogen Transport	
18.30		Conference Dinner Location: Park Royal Monash		

Time	Thursday 8th December		
8.00		Registration Location: Foyer G81	
9.00	Plenary 5 Tina Arrowad, DuPont REMOTE** Innovative Brine Conception Microscopic Brine Brin		
10.00	Morning Tea		
10.40 10.50	Session 9a Applications Location: G03 Chairs: Aditya Sharma and Chi Cheng Long Nghiem, University of Technology Sydney, KEYNOTE REMOTE** Electrochemical oxidation and UV irradiation to target organic foulants during pressure driven membrane operation	Session 9b Processes Location: GS1 Chairs: Mark Mullett and Sui Zhang Mark Mullett, Veolia Australia Technical and Innovation, KEYNOTE Application of nanofiltration for enhancing water recovery from mine tailing water: a case study	Session 9c Operation and Module Location: Room 101 Chairs: Xiwang Zhang and Muhammad Baig Hassan Arafat, Khalifa University, KEYNOTE **REMOTE The evolving role of feed spacer in membrane systems – from passive bystander to active participant
11.10	Aditya Sharma, Indian Institute of Technology Kanpur Investigating performance of Integrated Permeate Channel membranes for sewage treatment and establishing chemical cleaning protocols	Sui Zhang, National University of Singapore, INVITED Monolayer and laminar 2D membranes for organic solvent nanofiltration and hydrogen purification	Muhammad Baig, University of Twente Hollow fiber membrane production via the sustainable aqueous phase separation technique
11.30	Wojciech Kujawski, Nicolaus Copernicus University in Torun, INVITED REMOTE** Aluminium foil modification by Piranha Solutions (PS) to control the level of silanes loading	Yanqiu Lu, National University of Singapore Monolayer graphene membrane for high-temperature organic solvent nanofiltration in harsh solvents	Zijing Mo, Nanyang Technological University An Osmotic Battery Integrating Reverse Osmosis and Pressure-retarded Osmosis for Gird-Scale Energy Storage
11.50	Zhuyuan Wang, Monash University Scalable High Yield Exfoliation of Monolayer Nanosheets	Xing Wu, CSIRO Production of cooling water by Ti3C2Tx MXene interlayered forward osmosis membranes for post-combustion CO2 capture system	Qianhong She, Nanyang Technological University, INVITED Electro-chemically Enhanced Membrane Technology for Low-energy and Low-chemical Desalination and Water Reuse
12.10	Yingchao Dong, Dalian University of Technology, INVITED Design of Ceramic-based Membranes for Sustainable Water Treatment	Aaditya Pandey, Indian Institute of Technology Roorkee REMOTE** Forward osmosis process to concentrate coconut water and membrane fouling behaviour: Improved shelf life	Jianxin Li, Tiangong University, INVITED REMOTE** Crown ether functionalized polyimide membrane to construct supported ionic liquid membrane contactor for Mg2+/Li+ selective separation from aqueous solution
12.30		Lunch	
13.00		Plenary 6 Prof. Kazuo Yamamoto (University of Tokyo) Location: GB1 Chairs: TBC	
14.00		Closing Ceremony Location: GB1	