

08:30 - 09:00	<b>REGISTRATION OPEN</b> Location: S1-S4 Foyer			
08:50 - 09:00	Opening Ceremony <b>Gabriel Huynh (Conference Chair)</b> Location: S3			
09:00 - 09:30	Keynote <b>Prof. Elizabeth Croft</b> Location: S3			
09:30 - 09:40	Sponsored Talk: "A quick overview of Agilent's analytical instruments e.g. chromatography, mass spectrometry (LC, LCMS, GC, GCMS) and spectroscopy" <b>Agilent</b> Location: S3			
	<b>Theme: Modelling</b> Panel Chair: <b>Dr. Qinfu Hou</b> Location: S1	<b>Theme: Membranes</b> Panel Chair: <b>Dr. Meipeng Jian</b> Location: S2	<b>Theme: Fuels and Energy</b> Panel Chair: <b>Dr. Muir Sudiq</b> Location: S3	<b>Theme: Food Engineering</b> Panel Chair: <b>Dr. Sushil Dhital</b> Location: S4
09:45 - 10:00	Universal Behaviour of Associative Polymer Solutions <b>Mr. Aritra Santra</b>	Recycling Textile Mill Effluent Using Flat Sheet Membranes Fabricated by Different Phase Inversion Techniques <b>Ms. Shaik Nazia</b>	Molybdenum ditelluride: A high rate anode for sodium-ion battery <b>Mr. Manas Ranjan Panda</b>	Concentrations of important dietary antioxidants in grapes and their rate during wine making <b>Ms. Xueqing Liu</b>
10:00 - 10:15	3D printing of tuneable coloured agglomerates and strain distribution study <b>Dr. Jun Zhang</b>	Mesoporous Silica- Nanofibrillated Cellulose Composites for High Performance Depth Filtration <b>Ms. Seyedeh Simin Miri</b>	Co-Gasification of Waste Tyre Char – Coal Char: A Study on the Kinetic Parameters and CO <sub>2</sub> Gasification Reactivity <b>Ms. Miriam Issac</b>	Fermentation analysis and effect on beer <b>Mr. Daniel Rojas Sanchez &amp; Ms. Gina Pacheco Arredondo</b>
10:15 - 10:30	Viscometric Functions and Rheo-optical Properties of Dilute Polymer Solutions: Comparison of FENE-Fraenkel Dumbbells with Rodlike Molecules <b>Mr. Isaac Pincus</b>	Compatibility in MMMS for gas separation <b>Ms. Rujing Hou</b>	Redox flow battery <b>Mr. Ehsan Ghasemiestahbanti</b>	Mathematical Modelling of Mass Transfer during Antisolvent Vapour Precipitation <b>Mr. Kian Siang Lim</b>
10:30 - 10:45	Photoelastic properties of 3D printed particles <b>Dr. Negin Amini</b>	Effect of edge functional groups on salt rejection by graphene oxide membrane <b>Ms. Ruosang Qiu</b>	A critical review of ash slagging mechanisms, slag viscosity measurement methodologies and their applications to coal and biomass slags <b>Mr. Tanvir Alam</b>	Modelling of solvent extraction process for separation of palm carotene from crude palm oil <b>Mr. Hoe Boon Chin</b>
10:45 - 11:25	Morning Tea (Sponsored by: Air China) Location: S1-S4 Foyer			
11:25 - 11:55	Keynote <b>Dr. Jocelyn Midgley</b> Location: S3			
	<b>Theme: Biotechnology</b> Panel Chair: <b>Dr. Bhuvana Shanbhag</b> Location: S1	<b>Theme: Food Engineering</b> Panel Chair: <b>Dr. Shamaz Mansouri</b> Location: S2	<b>Theme: Modelling</b> Panel Chair: <b>Dr. Nick Robe</b> Location: S3	<b>Theme: Membranes</b> Panel Chair: <b>Dr. Soo Leong</b> Location: S4
12:00 - 12:15	Radial wicking in paper for Bio-Diagnostics <b>Mr. Michael Hertaeg</b>	Understanding the potential protective effect of milk fat on omega-3 fatty acids <b>Ms. Mitra Nosratpour</b>	Numerical investigation of particles flow and mixing performance in various sizes bladed mixer <b>Mr. Angga Herman</b>	Investigating the effect of solvents on PVDF-TiO <sub>2</sub> membrane fabricated by non-solvent induced phase separation method <b>Mrs. Shruti Sakakar</b>
12:15 - 12:30	"Lazy" yeast and cell-to-cell variation in microbial recombinant protein production <b>Mr. Kevin Hu</b>	A high data capacity chipless RFID sensor for food safety <b>Ms. Fatemeh Babaeian</b>	Particle Migration in Spiral Inertial Microfluidics: A Simulation Study <b>Mr. Mahdi Naseri</b>	Functionalized Porous Interlayers for Li-S batteries <b>Mr. Areeb Shehzad</b>
12:30 - 12:45	Freeze-drying of Human Red Blood Cells for Biomedical Application <b>Ms. Francisca Diana Alves de Sousa</b>	Can salt and sugar be removed from bean processing without affecting their quality? <b>Mr. Lavaraj Devkota</b>	Powder Scale Modelling of Heat Transfer and Melt Pool Dynamics in Selective Laser Melting <b>Mr. Erlei Li</b>	Mild-annealing reduced graphene oxide membrane for nanofiltration <b>Mr. Yang Li</b>
12:45 - 13:00	SVM-based model for the prediction of recombinant protein yield in the periplasm of Escherichia coli <b>Mr. Kulandai Arockia Rajesh Packiam</b>		Comprehensive Modelling of Blast Furnace Including Pulverised Coal Injection and Hot Metal Tapping <b>Mr. Lingling Liu</b>	
13:00 - 14:00	Lunch Location: S1-S4 Foyer			
14:00 - 14:30	Keynote <b>Dr. Joanne Tanner</b> Location: S3			
	<b>Theme: Nanotechnology</b> Panel Chair: <b>Prof. Xiyang Zhang</b> Location: S1	<b>Theme: Modelling</b> Panel Chair: <b>Dr. Nick Robe</b> Location: S2	<b>Theme: Sustainable and Renewable Engineering</b> Panel Chair: <b>Prof. Sankar Bhattacharya</b> Location: S3	<b>Theme: Biotechnology/Nanotechnology</b> Panel Chair: <b>A/Prof. Victoria Haritos</b> Location: S4
14:35 - 14:50	Controllable Synthesis of a Novel Porous Tetrahedral Ag <sub>3</sub> PO <sub>4</sub> Photoanode with Superior Photoelectrochemical Performance for Solar Hydrogen Production <b>Ms. Wen Cai Ng</b>	Computational investigation of solvation dynamics and its effect on heterogeneous catalysis <b>Mr. Swarit Dwivedi</b>	Structure analysis and swelling phenomenon of physical and chemically modified nanocellulose foam <b>Ms. Laila Hossain</b>	Real-Time and In-Situ Monitoring of H <sub>2</sub> O <sub>2</sub> Release from Living Cells by a Stretchable Electrochemical Biosensor Based on Vertically Aligned Gold Nanowires <b>Ms. Quanxia Lyu</b>
14:50 - 15:05	High-throughput perovskite solar cell materials discovery <b>Mr. Adam Surmiak</b>	Modelling stability and flexibility of insulin aspart in biocompatible ionic liquids <b>Ms. Vidya Sundaram</b>	Heat Drying as a Novel Method to Speed-up the Production of Nanocellulose-based Films in Spray Deposition Technique <b>Mr. Humayun Nadeem</b>	An investigation into the long-term fluorescence and material stability of organosilica nanosensors in biological fluid <b>Mr. Gabriel Huynh</b>
15:05 - 15:20	New class of porous liquid type III <b>Mr. Hamidreza Mahdavi</b>	DEM study on effects of friction coefficient and inclination on screw conveyor performance <b>Ms. Xin Li</b>	Improvement of formaldehyde production yield via hydrogenation of syngas using ionic liquid <b>Ms. Nooshin Asadi</b>	Cyto-EM grid preparation via saw atomisation <b>Mr. Dariush Ashtiani</b>
15:20 - 15:35	Preparation of fine copper powder by plasma discharge electrolysis process <b>Ms. Lingling Shen</b>		Energy efficient production of Nanocellulose <b>Mr. Wriju Kargupta</b>	Application of polyethylene glycol gelatin water aqueous biphasic system in encapsulation of hydrophilic compounds <b>Ms. Jia Min Lee</b>
15:35 - 15:50	Efficient Synthesis of Multicomponent Metal-Organic Frameworks <b>Mr. Brandon He</b>		Separation of graphite and metal oxides in spent lithium-ion batteries using froth flotation <b>Ms. Rabeeh Golmohammadzadeh</b>	Selective, Information-directed Dynamic Covalent Assembly of Sequence-specific Peptoids <b>Mr. Samuel Leguizamon</b>
15:50 - 16:00	Closing Ceremony <b>Isaac Pincus (Conference Co-Chair)</b> Location: S3			
17:00 - 20:30	<b>DRINKS AND NETWORKING</b> <b>POSTER SESSION (17:00 - 18:30)</b>			