

Tohoku-Melbourne Workshop			
Wednesday 6 November 2024			
Chemical Engineering Building 1, (bld 165) David Wood Th. Room 133			
10:30	Coffee and tea on arrival		
Time	Speaker	Position	Title
	Session Chair: Professor George Franks		
10:45	George Franks	Professor, Chemical Engineering, UoM	Welcome and Introduction to COEMinerals
	Hiroyuki Fukuyama	Professor, Fukuyama Lab, IMRAM, Tohoku	Introduction to IMRAM
10:55	Takehiko Wada	Professor, Wada Lab, IMRAM, Tohoku	Development of Stimuli-Responsive Artificial Nucleic Acids: Toward Cancer Cell-Selective Efficient Nucleic Acid Drugs
11:20	Amanda Ellis	Professor & Head of the School of Chemical and Biomedical Engineering, UoM	Improving battery storage performance through, processing, additives and chemical modification.
11:45	Eirini Goudeli	Senior Lecturer, Chemical Engineering, UoM	Particle Aggregation and Breakage in Suspensions
12:10	Junya Kano	Professor, Kano Lab, IMRAM, Tohoku	Development of hydrogen production technology from organic wastes
12:30	Lunch and Poster Session		
	Session Chair: Professor Hiroyuki Fukuyama		
13:45	Kiyoshi Kanie	Professor, Kanie Lab, IMRAM, Tohoku	Organic-Inorganic Hybrid Dendrimers with Functional Nanocore: Towards Synergistic Functions
14:10	Anthony Stickland	Senior Lecturer, Chemical Engineering, UoM	Suspension pelletisation and drainage using robust flocs
14:35	Itaru Honma	Professor, Honma Lab, IMRAM, Tohoku	Sustainable materials processing of post Lithium ion batteries for circular economy
15:00	Atsushi Muramatsu	Emeritus Professor, International Center for Synchrotron Radiation Innovation Smart	Mechanochemical Route to Synthesize Zeolites as Novel Method and Application to Catalysts for Oxidative Coupling of Methane
15:25	Afternoon Tea		
	Session Chair: A/Professor Kevin Li		
15:45	Colin Scholes	Associate Professor, Chemical Engineering, UoM	Carbon dioxide hydrogenation to methanol by membrane-catalyst reactor
16:10	Sandra Kentish	Redmond Barry Distinguished Professor, Chemical Engineering, UoM	Polymer Coatings to Reduce Hydrogen Embrittlement
16:35	Masayoshi Adachi	Senior assistant Professor, IMRAM, Tohoku	Thermophysical property measurement of Ti-Nb melts using electromagnetic levitation technique
17:00	Kizuku Kushimoto	Assistant Professor, IMRAM, Tohoku	Development of a simulation for particle and oil behavior under shear field
17:25	End of Presentations		
17:25	Free time for individual discussions		
18:30	Conference Dinner -Matthaei Room, University House at Professors Walk		

Thursday, 7 November 2024			
Chemical Engineering Building 1, (bld 165) David Wood Th. Room 133			
Time	Speaker	Position	Title
	Session Chair: A/Professor Colin Scholes		
9:00	George Franks	Professor, Chemical Engineering, UoM	Mechanical Behaviour of 3D-Printed Hierarchically Porous Ceramics
9:25	Helena Wang	Senior Lecturer, Chemical Engineering, UoM	Designing Versatile Electrocatalysts for Efficient Green Hydrogen Production via Water Splitting
9:50	Megumi Suyama	Assistant Professor, IMRAM, Tohoku	Challenges for the structure determination of ligand-protected Au nanoclusters by cryo-electron microscopy
10:15	George Chen	Senior Lecturer, Chemical Engineering, UoM	Equilibrium ion sorption in separation membranes
10:40	Morning Tea		
	Session Chair: Professor Junya Kano		
11:00	Hiroyuki Fukuyama	Professor, Fukuyama Lab, IMRAM, Tohoku	A new solution growth method of AlN single crystal using Fe-Cr flux
11:25	Kevin Gang Li	A/Prof, Chemical Engineering, UoM	Hydrogen enrichment by pressure swing adsorption using alloy based sorbents
11:50	Hajime Yamamoto	Assistant Professor, IMRAM, Tohoku	High-pressure synthesis and characterization of novel transition metal oxides
12:15	Lunch		
	End of Presentations		
1:15	Taxi or Uber to airport		

Friday, 8 November 2024			
Location Bicheno			
Time	Speaker	Position	Title
Move to Bicheno(Conference Venue)			
Discussion and meeting			
13:00	Hiroyuki Fukuyama	Professor, Fukuyama Lab, IMRAM, Tohoku	Introduction to the University for International Research Excellence
14:00	Afternoon Tea		
14:30			Meeting on joint research/ Meeting on AJIF projects/ Meeting on the possibility of future joint research and matching of joint research.
16:30	End of Discussion and meeting		
Saturday, 9 November 2024			
Location Bicheno			
Time			
Excursion			
9:00	Visit to animal park		
12:00	Lunch		
Return to Hobaert airport			