Poster Presentation program in iWMK 2021 (Zoom)

Group1 : 10:00-11:30 / Group 2 : 12:00-13:30 / Group 3 : 16:00-17:30 Each group: 90min

Time (JST):	Presenter					
9:55-10:00	**Session Guide**	**Dr. Ken Man**				
Group 1 **10:00-11:30**	**Chung Yuan Christian University** **Hong-Li Yang** Effect of Carbon Quantum Dots addition on formation mechanism of cellulose acetate membrane	**Chung Yuan Christian University** **Chen-Hua Hsu** Zwitterionic PVDF Membranes Blend with Phosphobetaine copolymer via VIPS for anti-biofouling	**National Taiwan University of Science and Technology** **Cong-Han Huang** Tailoring of a Piezo-Photo-Thermal Solar Evaporator for Simultaneous Steam and Power Generation	**National Taiwan University of Science and Technology** **Jittrakorn Udomsin** Preparation of superhydrophilic/underwater superoleophobic carbon nanotube/polymer membranes for highly efficient separation of crude oil–in–water emulsions	**National Taiwan University of Science and Technology** **Shih-Lan Chan** Effect of composition of few-layered transition metal dichalcogenide nanosheets on separation mechanism of hydrogen selective membranes	**University of Arkansas** **Mahmood Jebur** An integrated membrane distillation process for treating hydraulic fracturing produced water
	University of Arkansas **Solomon Isu** Elucidating the foulants that plug virus filters during virus filtration of protein therapeutics	**University of Arkansas** **Zhexi Zhu** Conversion of Food Waste to Levulinic Acid Using a Catalytic Membrane Reactor	**Hanyang University** **Seung Yeon Yoo** Indoor Air Quality Management and Utilization Using CO2 Selective Membrane System	**Hanyang University** **Tae Hoon Lee** Facile Suppression of Intensified Plasticization in Glassy Polymer Thin-films towards Scalable Composite Membranes for Propylene/Propane Separation	**Hanyang University** **Byung Kwan Lee** Surface modification of polyimide membranes with fluorine-containing diamines for efficient gas separation	
Group 2 **12:00-13:30**	**Nanjing Tech University** **Guining Chen** Ligand vapor induced in-situ formation of interconnected MOF transport channels in ultrathin mixed-matrix membranes	**Nanjing Tech University** **Humin Chen** Plasma Treatment-Fluorosilane Modified Omniphobic Graphene Oxide Membrane Used in Membrane Distillation	**Nanjing Tech University** **Xi Chen** UTSA-280 MOF incorporated 6FDA-polyimide mixed-matrix membranes towards ethylene/ethane separation: permeability matching between filler and polymer	**University of Technology, Sydney** **JIAXI JIANG** Critical flux on a submerged membrane bioreactor for nitrification of source separated urine	**University of Technology, Sydney** **Chen Wang** Inkjet printed polyelectrolyte multilayer membrane using a polyketone support for organic solvent nanofiltration	**Zhejiang University** **Dan Lu** Positively Charged Nanofiltration Membrane via Secondly Solvent-based Interfacial Reaction with PEI for Enhanced Selectivity of Li+ over Mg2+
	Zhejiang University **Yi-Man Zhong** Formation of Metal-Phytic Acid Surface Coatings via Oxidation-Mediated Coordination Assembly	**Zhejiang University** **Wen-Han Yu** Novel nanofiltration membrane based on amphiphilic polymer nanoparticles packing: preparation and application	**Tiangong University** **SANIA KADANYO** Mitigation of Organic Fouling of PSF/EVOH Mixed Matrix Membranes via Minimal Incorporation of HNTs Decorated with Mussel Inspired Ag Nanoparticles	**Tiangong University** **CHRISTINE NYAWIRA MATINDI** Polyethersulfone/Sulfonated Polysulfone Membranes Modified with Robust Antifouling Polyethyleneimine-TiO2 Layer for Oil-in-Water Emulsion Separation	**Tsingha University** **Lei Wan** Green preparation of highly alkali-resistant PTFE composite membranes for advanced alkaline water electrolysis	**Tsingha University** **Mufei Li** Green diluent selection of poly (4-methyl-1-pentene) membranes via thermally induced phase separation method
Group 3 **16:00-17:30**	**Victoria University** **Maedeh Nadimi** Membrane distillation coupled with oxidation processes for water/wastewater treatment: enhanced treatment capabilities, and future opportunities	**Victoria University** **Mahdi Shahrooz** Role of surface interactions in the design of membranes with enhanced resistance to colloidal fouling in membrane distillation: a review	**Hong Kong University of Science and Technology** **Rans Miguel Nunag LINTAG** Dual Membrane Ozone Reactor for Treatment of Water Pollutants	**Universiti Tecknologi Malaysia** **Stanley Chinedu Mamah** Enhanced Desalination Performance in Reverse Osmosis Membrane Induced by Incorporated Acid Treated Palygorskite (A-PAL)	**Institut Teknologi Bandung** **SETYO WIDODO** Re-refining of Waste Engine Oil Using Ultrafiltration Membrane	**Institut Teknologi Bandung** **Widda Rahmah** Synthesis of high-aspect ratio SAPO-34 zeotype in the presence of polyethylene glycol
	Institut Teknologi Bandung **Wildan Qoharisma Salam** Purification and Crystallization of Microbial Xylitol from Hydrolysate of Lignocellulose using Membrane Technology	**Kobe University** **Jinhui Zhang** Interpenetrating polymer network-based tough ion gel membrane for efficient CO2 separation	**Kobe University** **Pengfei ZHANG** Preparation of antifouling PVDF hollow fiber membrane modification with zwitterionic copolymer via surface entrapment and subsequent reaction	**Kobe University** **Titik Istirokhatun** Development of polymide nanofilm with enhanced inner-pore interconnectivity using Ag-based compound nanorods for high performance nanofiltration		
17:30-17:35	**Closing Speech**	**Prof. Hideto Matsuyama**