

## Tentative AGENDA

### The 25<sup>th</sup> PPC Symposium on Petroleum, Petrochemicals, and Polymers and The 10<sup>th</sup> Research Symposium on Petrochemical and Materials Technology

At Office of Academic Resources, Mahathiracharanusorn Building

Chulalongkorn University, Bangkok

Thursday 30 May 2019

8.00–8.20	Registration	3 <sup>rd</sup> Fl Room 2
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PART 1 Students Ushers 9-10 / Student Photo 16-17		
8.20–8.30	Introductory and Welcome Remarks Prof. Suwabun Chirachanchai, Dean, The Petroleum and Petrochemical College Prof. Pramoch Rangsunvigit, Director, Center of Excellence on Petrochemical and Materials Technology	7 <sup>th</sup> floor
8.30–8.35	Opening Remarks Prof. Bundhit Eua-arporn, President, Chulalongkorn University	7 <sup>th</sup> floor
8.35–8.45	Sponsorship Recognition and Group Photograph	7 <sup>th</sup> floor
8.45–9.15	Plenary Lecture Prof. Alois K. Schlarb, Chair of Composite Engineering, Technische Universität Kaiserslautern	7 <sup>th</sup> floor (Chair: SWC)
9.15–9.40	Plenary Lecture Mr. Jeremy Robert Osterstock, Chairman and Managing Director, ESSO (Thailand) Public Company Limited	7 <sup>th</sup> floor (Chair: SWC)
9.40–10.05	Plenary Lecture Mr. Sakchai Patiparnpreechavud, Vice President-Polyolefins and Vinyl Business, SCG Chemicals Co., Ltd.	7 <sup>th</sup> floor (Chair: SP)
10.05–10.30	Exhibition Including Networking and Refreshment Break	3 <sup>th</sup> floor

PART 2						
	Room 3, 3 <sup>rd</sup> floor “NUS-PETROMAT: Energy and Water” (Chair 1)		Room 2, 3rd floor (Chair 2)	Room 1, 3 <sup>rd</sup> floor (Chair 3)	Hall 7 <sup>rd</sup> floor (Chair 4)	Underground floor (Chair 5)
10.30–11.00	Assoc. Prof. Praveen Linga, NUS	10.30–11.00	Invited Lecture1 Asst.Prof.Surat Areerat, School of Chemical Engineering, KMUTL	Dr.Alisa Kammafoo, SCG “Circular Economy”	Invited Lecture 5 Assoc.Prof. Siripon Anantawaraskul, Chemical Engineering, Faculty of Engineering, KU	Invited Lecture 2 Asst. Prof. Uthen Thubsuang, WU
11.00–11.30	Prof. Apanee Luengnaruemitchai, PPC	11.00–11.20	Session: Polymer Engineering and Processing Anun Wongpayakyotin, KMUTT “Effects of Types of Arylamines in Benzoxazine Matrix Resins on Thermal and Mechanical Properties of Their Friction Composites”	Focus group	Session: Catalysis Juthasiri Chaisamphao, CU “Enhancement of nickel loaded on surface modified clay support in dry reforming of methane”	Session: Renewable Energy Suthida Chongudomlerk, CU “Hybrid solar cell/thermoelectric device for efficient utilization of solar energy”

11.30-12.00	Assoc. Prof. Jianping Xie, NUS	11.20-11.40	Session: Polymer Engineering and Processing <b>Wasuthep Luecha</b> , CU "Nanoclay Gel and Nanaclay Aerogel : The Innovative Nanoclay Masterbatch to Achieve the Exfoliated Structure of Polymer/Clay Nanocomposites"	BCG focus group	Session: Catalysis <b>Bodin Binchai</b> , CU "Preparation of Titanium Dioxide Nanotube Arrays for Ammonia Gas Removal"	Session: <b>Renewable Energy Sureekan Kingputtpong</b> , CU "Effect of Mo and W Promoters on Catalytic Performance of Ni-based Catalyst for Hydrogenation of Naphthalene"
		11.40-12.00	Session: Polymer Engineering and Processing <b>Akaraphol Permtermsin</b> , KMUTT "Effect of corrugated paperboard addition on the thermal insulation of rigid polyurethane foam"	11.30-12.00 Invited 2: BCG focus group <b>Mr.Shikhar Aggarwal</b> , Frost & Sullivan (Singapore) Pte Ltd	Session: Catalysis <b>Pranpriya Traichoke</b> , CU "CO <sub>2</sub> Hydrogenation on core-shell structured Fe-Co catalysts"	Session: <b>Renewable Energy Pachara Chintakanan</b> , CU "Production of Bio-Jet Fuel from Palm Oil Via Deoxygenation and Isomerization"
12.00-13.30	Lunch (Under ground floor and front of Meeting room on 7 <sup>th</sup> floor)					

PART 3							
	"NUS-PETROMAT: Energy and Water"	13.30-14.00	Keynote Lecture 2 Mr. Benno Boer UNESCO (Chair 9) Hall 7 <sup>th</sup> Floor				
13.30-14.00	Assoc. Prof. Prasert Reubroycharoen, CU	14.00-14.30	Invited Lecture 3 Asst. Prof. Kittipong Chainok, TU (Chair 7)	PPC-NANOTEC	14.00-14.15	Session: Catalysis <b>John Marvin Malones</b> , CU "Synthesis and Characterization of a High Surface Area Renewable Support from Bamboo Biochar Containing Acid Groups of High Thermal Stability"	Invited Lecture 4 Assoc.Prof.Apirat Laobuthee, Materials Engineering, Faculty of Engineering, KU (Chair 10)
					14.15-14.30	Session: Catalysis <b>Panisa Prabnasak</b> , KU "Effect of surfactants on PtCo/C catalyst preparation for oxygen reduction reaction in PEM fuel cell"	
14.00-14.30	Assoc. Prof. Ning Yan, NUS	14.30-14.45	Session: Smart and Advanced Materials <b>Tanawat Phusittananan</b> , KKU "Aluminum-Air Batteries with Flow Dual-Electrolyte using Ethanol /Ethylene Glycol Solution Anolyte"		Session: Catalysis <b>Atitarn Rueangthawee</b> , CU "Conversion of Palmitic Acid Via Oxidative Dehydrogenation Catalyzed by Metal Oxides"	Session: Biomedical and Green Polymers <b>Jitti Niyompanich</b> , CU "Improved Osteogenic Differentiation of MC3T3-E1 in vitro on Polycaprolactone Scaffold for Bone Tissue Engineering"	

14.30-15.00	Assoc. Prof. Attasak Jaree, KU	14.45-15.00	Session: Smart and Advanced Materials Nit Namwong, CU “Performance of an Aluminum-air Battery using a Three-dimensional Carbon Nanomaterial Cathode in a Mixed Solution of Sodium Chloride and Sodium Hydroxide”		Session: Renewable Energy Thikhamporn Burimsitthigul, CU “Hydrodeoxygenation of palm oil to hydrocarbon biofuel over unsupported Ni-Mo catalysts”	Session: Polymer Engineering and Processing Radhitya Banuaji, CU “Mechanical Properties of Short Silk Fiber on Polydimethylsiloxane for Suture Pad Application”
15.00–15.30	Networking & Refreshment Break					3 <sup>th</sup> floor
<b>PART 4</b>						
15.30–17.00	Poster Presentation & Evaluation					7 <sup>th</sup> floor

Note: The agenda is subject to change without notice.

*Tentative: May 10, 2019*