



## IE-Industrial and Engineering Chemistry

**Friday, 26 January 2024, Room: Nile 3**

**Chair:** Sirirat Jitkarnka, Chulalongkorn University

**Co-Chair:** Pinsuda Viravathana, Kasetsart University

Time	Code	Title	Presenter
13.00 – 13.30	IE-K-01	Thai eastern symbiosis: The circular economy model & sustainable supply chain management in natural rubber and palm oil industry	Sineenuch Kokanutaporn
13.30 – 14.00	IE-K-02	Transition towards low carbon society: A case study from chemical industry	Natthakorn Kraikul
14.00 – 14.30	IE-K-03	Journey on exploring advanced recycling technologies by Indorama Ventures Plc.	Sasinotai Rochanutama
14.30 – 14.45	IE-O-01	Synthesis of silicon carbide by using rice husk ash from power plant wastes	Benchanaree Singrattanaphan
14.45 – 15.00	IE-O-02	Development of neural network architectures for prediction of energy consumption and carbon dioxide emission in natural gas separation process	Bhiranat Pongsri
15.00 – 15.15	<b>Coffee Break</b>		
15.15 – 16.00	<b>PL-02 at Bhiraj Halls II and III</b>		
16.00 – 16.30	IE-K-04	The circularity of tire industry: recovered carbon black/graphene composite materials and applications	Apichai Jomphoak
16.30 – 16.45	IE-O-03	Heat transfer analysis of a microwave reactor using computational fluid dynamics for polymer recycling	Aung Khant Zaw
16.45 – 17.00	IE-O-04	Beyond the extraction limit–molecular cages as membranes for chemical separations	Jiratheep Pruchyathamkorn