

REPORT FOR JURUTERA

The 19th Asia Pacific Confederation of Chemical Engineering Congress (APCChE 2022) was held successfully by the Chemical Engineering Technical Division (CETD) at Kuala Lumpur Convention Centre (KLCC) between 9-12 August 2022. The theme of APCChE 2022 was set to “Working Towards a Sustainable Society” as it highlights various ways chemical engineers do in handling various challenges in sustainable development. This is the first international conference organised by IEM since COVID-19 pandemic, and has attracted participants from 10 countries with 120 physical and 130 virtual presenters.

APCChE 2022 started with two university level competitions on 9 Aug 2022, i.e. 2nd Chem-E-Car Poster Competition (physical event) and 10th IEM Chemical Engineering Design Competition (virtual event). The Chem-E-Car Competition has the aims to challenge undergraduate students of institutions of higher learning to design their Chem-E Car that is powered by chemical energy source. A total of 18 teams took part in the competition, with 7 teams from Indonesia and one from India, along with other Malaysian teams. The IEM Chemical Engineering Design Competition was initiated with the objective of enhancing the design competency practically and methodologically. A total of 13 teams took part in the competition. The theme for this year’s competition is “Valorization of Plastic Wastes Using Chemical Recycling Technology”.

Opening ceremony of APCChE 2022 was held on 10 August 2022. This was followed by three plenary talks given by YBhg. Dato’ Ir. Prof. Dr. Zaini Ujang (Secretary General of the Ministry of Environment and Water, KASA), Mr Kamal Bahrin B Ahmad (Senior Vice President & Chief Executive Officer of Petronas Refinery & Petrochemical Corporation Sdn. Bhd.) and Dato' Dr. Mohd Nazlee Kamal (Chief Executive Office of Solution Biologics Sdn. Bhd.). After the lunch break, all paper presentations took place in 6 parallel rooms (2 virtual rooms and 4 physical rooms at KLCC). A total of 210 papers were presented in 26 physical sessions and 23 virtual sessions between 10-12 August 2022, covering the following topics:

- Cleaner Production and Circular Economy
- Waste Treatment & Management
- Bioproducts, Food & Bioprocessing
- Nanotechnology and Advanced Materials
- Process Systems Engineering
- Reaction Engineering & Catalyst
- Oil & Gas
- Sustainable Palm Oil
- Chemical Engineering Education.

On 12 Aug 2022, two post-conference workshops were organised at Impiana KLCC Hotel, i.e. “Fluid Flow, Pressure Drop, And Hydraulic Analysis” (conducted by Mr. Wiroon Tanhapanichakoon of Thailand) and “Economics Of Industrial Decarbonization” (conducted by Prof Santanu Bandyopadhyay of India).

CETD acknowledges the support and sponsorship given by Malaysia Convention and Exhibition Bureau (MyCEB), Society of Chemical Engineers Japan (SCEJ), and Solution Biologics Sdn. Bhd.

Reported by,

Ir Prof Dr Dominic Foo, organising chair

Photos



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Photo taken during APCChE 2022 Opening Ceremony

From Left: Ir. Prof Dr Jeffrey Chiang Choong Luin (IEM Deputy President), Dato' Dr. Mohd Nazlee Kamal (Chief Executive Office of Solution Biologics Sdn. Bhd.), Ir. Prof. Dr. Norlida bt Buniyamin (IEM President), YBhg. Dato' Ir. Prof. Dr. Zaini Ujang (Secretary General of the Ministry of Environment and Water, KASA), Mr. Kamal Bahrin B Ahmad (Senior Vice President & Chief Executive Officer of Petronas Refinery & Petrochemical Corporation Sdn. Bhd.) and Ir. Prof. Dr. Dominic Foo Chwan Yee (President APCChE 2022)



(2)

Executive Committees of APCChE 2022

From Left: Prof Dr Hon Loong Lam (Co-chair) Ir Razmahwata Mohamad Razalli (committee), Ir Prof Dr Dominic C. Y. Foo (Chairman), Ir AP Dr Chien Hwa Chong (committee), Ir Thayananthan Balakrishnan (committee), Ir Prof Dr Thomas Choong (committee)



(3)
APCChE 2022 Opening Ceremony



(4)
Plenary speech by YBhg. Dato' Ir. Prof. Dr. Zaini Ujang (Secretary General of the Ministry of Environment and Water, KASA)



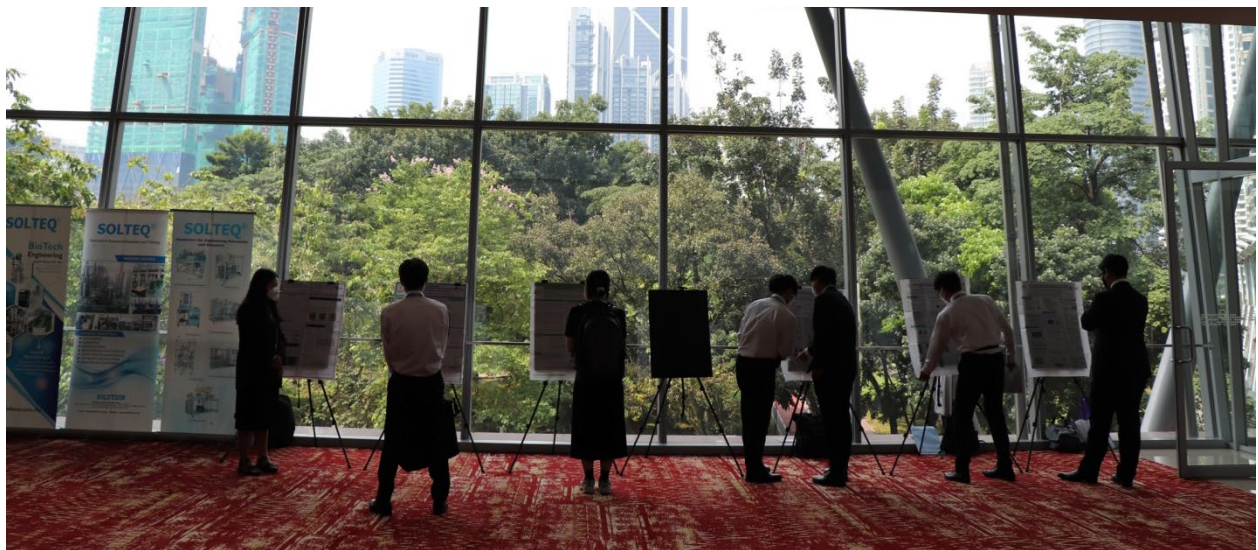
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Welcome Reception of APCChE 2022



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Chem-E-Car Poster Competition



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Posters Presentation