

ICHEME - IEM CONFERENCE 2025 *Online*

FREE

Strengthening Collaboration &
Advancing Chemical Engineering



17th – 19th February 2025
3.00 pm - 5.00 pm

This **3-day conference** will feature two to **three sessions per day**, providing valuable learning and networking opportunities for the members.

This event highlights the strength of our collaboration and encourages professional registration, knowledge-sharing, and networking through various technical special interest groups.

- ◆ Engage with industry experts
- ◆ Explore cutting-edge developments in chemical engineering
- ◆ Expand your professional network

BEM Approved CPD Hours : Applying
Ref No. : Applying



Website
www.myiem.org.my

Jointly Organised By :

**Chemical Engineering
Technical Division (CETD), IEM**

IChemE in Malaysia

Key Speakers :

- 🎤 Ir. Zainab Kayat - Chair, IChemE Malaysia 2025-2026
- 🎤 Ir. Anwar Ahmad – Chair, CETD IEM
- 🎤 Ir. Kevin Shanta – Managing Director, Synergy Oil and Gas Engineering Sdn Bhd
- 🎤 M. Rizal A. Rahman – Custodian Process Design, PETRONAS
- 🎤 Ir. Siti Rafidah Moslim – SGM Corporate Sustainability
- 🎤 Peter Godfrey – Energy Institute
- 🎤 Ir. Dr. Viknesh Andiappan – Swinburne University of Technology Sarawak
- 🎤 Dr. Chrisminder Dain – PETRONAS Research
- 🎤 Assoc. Prof. Dr. Zaki Yamani Zakaria – Deputy Director, Research Management Centre (RMC)
- 🎤 Prof. Ir Dr. Nor Aishah Saidina Amin – Head, Chemical Reaction Engineering Group (CREG),
Universiti Teknologi Malaysia
- 🎤 Ir. Dr. Suzana Yusup – Professor of Research & Acting Head, Generation Unit,
Tenaga Nasional Berhad Research (TNBR)

Note:

The materials presented in this event have not been peer-reviewed. The opinions expressed are those of the presenters and do not necessarily reflect the views of IChemE or IEM.



REGISTER NOW

Programme – Session 1

Monday, 17 February 2025

Time	Description
3.00pm	Welcome + Introduction to the Malaysian Virtual Conference. IChemE will welcome attendees and then introduce two key representatives from both institutions to deliver the opening remark by Ir Anwar Ahmad, Chair of CETD IEM & Ir Zainab Kayat, Chair of IChemE in Malaysia
3.15pm	Engineering a Start-Up: Whilst there are countless applications for a chemical engineering degree, there is one "road less travelled" that is not for the faint-hearted; entrepreneurship by Kevin Shanta , Synergy Engineering.
3.40pm	Decarbonisation: This session will be a panel on decarbonisation. Panel members are M. Rizal A. Rahman , Zero Emissions Strategy, Ir Siti Rafidah will speak on energy transition, Peter Godfrey will speak on what is needed to transition to a low-carbon future, and Ir Viknesh Andiappan , will speak on bioenergy.
4.50pm	Role of 'Rare Earth Elements' in Energy Transition: Opportunity and Challenges by Dr Santosh Mishra , Petronas Research
5.15pm	Close with Feedback Session

Tuesday, 18 February 2025

Time	Description
3.00pm	Welcome and introduction by Prof Dominic Foo
3.15pm	Clean Energy: This session will have a presentation from Associate Prof Dr Zaki Yamani Zakaria who will speak on Advancements in Renewable Energy Technologies
3.45pm	This session will have a presentation from Dr Sucithra Thangalazhy , Associate Professor from University of Nottingham Malaysia speak on Biorefining in Circular Economy: Role of palm biomass
4.20pm	This session will be a panel. Panel members: Prof Noraishah Saidina Amin , Professor of Reaction Engineering Faculty of Chemical & Energy Engineering Universiti Teknologi Malaysia speaks about what is Circular Economy, and Dr Suzana Yusup , TNB, Principal Researcher Acting Head Generation Unit TNB Research the links between Circular Economy and Net Zero
5.00pm	Close with Feedback Session

Wednesday, 19 February 2025

Time	Description
3.00pm	Welcome and introduction by Dr Muhammad Heikal
3.15pm	Food & Beverages This session will have a presentation on Sustainable food processing: The role of innovative technologies by Dr Jofry Othman , Petronas Researcher
3.45pm	Minerals and Mining: This presentation will be from Dr. Sheikh Abdul Rezan , School of Materials& Mineral Resources Engineering Engineering Campus Universiti Sains Malaysia speaking about the increasing demand for metals in navigating Malaysia towards decarbonisation of clean energy and net zero emission.
4.15pm	Online networking - welcome Join us here first as we welcome everyone to the online speed networking and a quick briefing of how things will work
4.20pm	Online Networking - session one Please join us for this online speed networking event where you will have a chance to network with your peers. You will be randomly matched with other attendees in the online platform for 8 minutes before being matched again.
5.00pm	Close with Feedback Session