The Institution of Engineers, Malaysia

ORGANISED BY:
OIL, GAS AND MINING TECHNICAL DIVISION (OGMTD), IEM

BEM APPROVED CPD: 2
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WEBINAR TALK ON
CARBON CAPTURE, UTILIZATION AND STORAGE (CCUS)

Date : 10 Jan 2026 (Saturday)
Time : 9.00 am - 11.00 am
Platform : Zoom Webinar

Registration Fees:

- Student Member : **FOC**
- IEM Member : **RM 15.00**
- Non-Member : **RM 70.00**

Synopsis:

Carbon Capture, Utilisation and Storage (CCUS) is increasingly recognised as a necessary decarbonisation pathway for hard-to-abate sectors. However, beyond technology readiness, the successful deployment of CCUS depends heavily on governance structures, policy clarity, and system-level coordination across the value chain.

This talk explores CCUS from a practical and governance-led perspective, highlighting how policy, ownership models, risk allocation, and infrastructure planning shape real-world feasibility. The session provides an overview of the CCUS value chain through a systems lens and examines common challenges that arise when capture, transport, and storage are developed in isolation. The session aims to equip engineers and practitioners with a clearer understanding of where CCUS stands today and what considerations are critical when moving from concept to implementation.

Speaker: Ir. Connie Tang Horng Eng PEng CEng MICE

Ir. Connie Tang is a highly qualified Chartered Civil Engineer (CEng MICE) and Professional Engineer (PEng) with over a decade of experience in the oil and gas industry. Her background includes expertise in offshore structural engineering, asset lifecycle management, and upstream project delivery. She holds a Bachelor's Degree in Civil Engineering from Universiti Teknologi Malaysia and a Master's Degree in Applied Statistics from the University of Malaya, enabling a unique analytical approach to complex engineering challenges.

In recent years, Connie has shifted her focus to digital transformation and decarbonisation. She actively supports initiatives in Carbon Capture, Utilisation and Storage (CCUS), engineering standardisation, and data-driven decision-making. Her work effectively bridges conventional engineering practices with emerging low-carbon solutions, focusing on translating theoretical CCUS concepts into practical, industry-ready implementation pathways. She is passionate about building cross-disciplinary capabilities across engineering, data, and sustainability.