

WEBINAR

Talk on Membrane Development for Gas Separation

Jointly Organised by: Material Engineering Technical Division (MaTD)
and Oil, Gas and Mining Technical Division (OGMTD), IEM

BEM Approved CDP: 2 Hours
Ref. No.: IEM25/HQ/098/T (w)

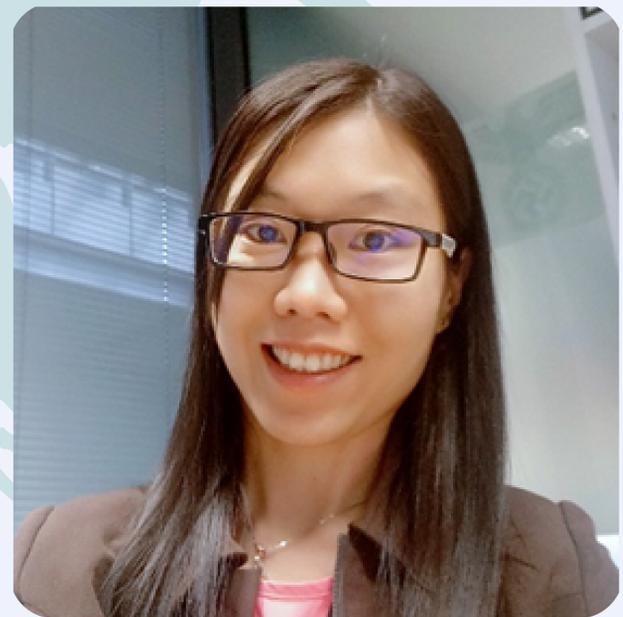


FRIDAY
9 MAY 2025



TIME
AT 3.00 PM - 5.00 PM

Registration fee
Student Member: Free
IEM Member: RM15.00
Non-Member: RM70.00



Associate Professor Ir. Ts. Dr.
Yeong Yin Fong

MORE INFORMATION



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SYNOPSIS

Membranes are well-known for their applications in gas separation, especially for small molecule gas separation. This webinar provides broad information and addresses various aspects of membranes in gas separation, including the preparation of different types of membrane materials, characterization techniques for determining membrane properties, and gas permeation analysis.

SPEAKERS' BIODATA

AP Ir. Dr Yeong Yin Fong is currently serving as Associate Professor at the Department of Chemical Engineering, Universiti Teknologi PETRONAS, Malaysia. For the past 12 years she has been actively working on the synthesis and characterization of membrane materials and catalysts for CO₂ and CH₄ separation, adsorption and conversion to value added products. She is a member under Centre of Carbon Capture, Utilization and Storage (CCCUS), Institute of Sustainable Energy and Resources (ISER). She is expert in advanced synthesis and fabrication of high-performance membrane/adsorbents materials, and is familiar with the specific needs, relevant facilities and basic procedures to physically and chemically characterize the membrane/adsorbents materials. Besides, she is also familiar with the design, fabrication and operation of membrane separation, CO₂ conversion as well as CO₂ and CH₄ adsorption testing facilities. To date, she has authored/co-authored more than 70 research articles with h-index of 29. In addition to the research profile, she has earned the professional titles of Professor Engineer, Ir., CEng, Ts., awarded by the Board of Engineers Malaysia (BEM), The Institution of Chemical Engineers (IChemE), and the Malaysia Board of Technologists (MBOT), respectively.