

HALF DAY SEMINAR ON

ENGINEERING SMARTER TRANSFORMER DESIGN WITH FIRE RESISTANT SYNTHETIC ESTER OILS AND VACUUM TAP CHANGERS FOR MODERN GRID DESIGN

Date: 14 October 2026, Wednesday

Time: 9:00 am - 1:00 pm

**Venue: Malakoff Auditorium,
Wisma IEM, Petaling Jaya**

SPEAKERS

**Ir. Raghunath A/L
Kanapathy**



**Mr. Chan Keng
Fuong**

Registration Fee (Subject to 8% SST)

**BEM Approved CPD: 4
Ref. No.: IEM26/HQ/465/S**

GRADE	FEE
IEM Member	RM50
Non IEM Member	RM 70



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SYNOPSIS

The rapid growth of data centres, large-scale solar (LSS) projects, and electrification initiatives is placing new demands on transformers. As power infrastructure becomes increasingly critical to supporting digitalisation and energy transition goals, engineers and asset owners must evaluate technologies that enhance safety, operational resilience, and asset longevity.

Discover how the combination of advanced synthetic ester transformer fluids, world-leading On-Load Tap Changer technology and other critically important components are shaping the future of transformer performance via fire safety, reliability, and asset lifecycle management. This enables utilities and industrial operators to meet the demands of an increasingly electrified and resilient future. Join industry experts to gain practical insights, technical knowledge, and real-world application experiences that are transforming power infrastructure worldwide.

SPEAKERS' PROFILE

Ir. Raghunath Kanapathy is an Electrical Professional Engineer and Corporate Member of IEM with nearly two decades of experience across Malaysia's power, utility, and transformer service sectors. His career spans across engineering, project management, and grid operations at Tenaga Nasional Berhad, followed by industry experience with Siemens. He is currently with Reinhausen as a Senior Technical Consultant, specializing in transformer service and diagnostics, voltage regulating tap changers, and lifecycle strategies for utilities and industrial clients. He also holds a Master of Business Administration and is recognised for integrating technical expertise with practical operational leadership.

Mr. Chan Keng Fuong is Shell Lubricants Technical Advisor specializing in the industrial power sector. He serves as the technical focal point for Shell MIDEL transformer fluids, supporting customers with transformer insulation fluid selection, condition assessment, and reliability improvement initiatives. He has experience supporting Tenaga Nasional Berhad (TNB) Transmission and Distribution projects and works closely with utility and industrial customers to enhance transformer safety, performance, and asset lifecycle management through innovative fluid technologies.

PROGRAMME

Time	Description
8:40am – 9:00am	Registration
9:00am – 10:30am	Session 1 – K3 class, fire-safe Transformer Fluid by Mr Chan Keng Fuong
10:30am - 10:45am	Morning Tea Break
10:45am - 12.45pm	Session 2: Voltage Regulation for Modern Grid Design by Ir. Raghunath Kanapathy
12.45 pm - 1.15 pm	Q&A
1:15pm	Closure & Lunch