

JOINTLY ORGANISED WITH ASSOCIATION FOR MATERIALS PROTECTION AND PERFORMANCE (AMPP) MALAYSIA CHAPTER

TECHNICAL TALK ON



AMPP PDH : 2

ENGINEERING RESILIENCE: ADVANCING ENERGY & FUTURE TALENT

INTRODUCTION

As the energy industry landscape evolves rapidly with digitalisation, sustainability, renewable source, and emerging technologies, we must be prepared to navigate a dynamic and competitive future. This technical talk brings together industry leaders, professional engineers, and technical experts to share practical insights into the opportunities and challenges in the engineering profession.

Participants will gain exposure to key topics including the future of engineering education, corrosion management in industrial assets, renewable energy technologies, and career pathways in the oil and gas industry. Through case studies and industry experiences, we will discover how engineering knowledge is applied beyond the classroom to solve complex challenges, drive innovation, and contribute to sustainable development.

The session also provides an excellent platform for networking with professionals from The Institution of Engineers Malaysia (IEM), Association for Materials Protection and Performance (AMPP) Malaysia Chapter, and industry practitioners, helping to build connections and gain valuable perspectives.

FEE FOR REGISTRATION (INCLUSIVE 8% SST)

IEM/AMPP MEMBER : RM15

NON-IEM/AMPP MEMBER : RM70

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion. For attending participants who choose to walk in without prior registration, IEM shall not be responsible for any direct or consequential losses"



**Tuesday,
15 September 2026**



**Time
9.30 AM – 12.30 PM**



**Universiti Teknologi PETRONAS,
Seri Iskandar, Perak
Seminar Room, Block i-1**

SPEAKERS:

Ir. Dr. Najmiddin Yaakob

Mr. Rehan Ahmed

Ir. Mohd Izwan Mohd Noor

Ir. Ahmad Rafidi Mohayiddin

SPEAKERS BIODATA



Ir. Dr. Najmiddin Yaakob

Ir. Dr. Najmiddin Yaakob is an Associate Professor at Universiti Teknologi MARA (UiTM) and Founder and Head of the Industrial Corrosion Research Center (InCoRE). He holds a Ph.D. from Ohio University and has over two decades of academic, industry and research experience in oil and gas pipeline corrosion. A recognized corrosion expert, he has led major industrial projects for PETRONAS, PTTEP, Chevron, DNV-GL and TNB, and is a Registered Professional Engineer and ASEAN Chartered Professional Engineer.



Mr. Rehan Ahmed

Mr. Rehan Ahmed is a Chartered Professional Engineer (CPEng), Fellow of Engineers Australia (FIEAust), and National Engineering Register (NER) engineer with extensive expertise in corrosion engineering and upstream asset integrity. As Principal Corrosion Engineer at PETRONAS Upstream, he provides technical leadership in corrosion management, life extension, reliability improvement, standards development, and engineering talent development.



Ir. Mohd Izwan Mohd Noor

Ir. Mohd Izwan Mohd Noor has extensive experience in the Oil & Gas industry, covering operations, project coordination, strategic management, and structural engineering. His expertise includes marine and structural engineering design, asset integrity, process safety, and HSE management systems. He has contributed to feasibility studies, conceptual design, FEED, detailed design, and EPCIC projects. He also served as a judge for the IEM Oil & Gas Platform Design Competition 2024, reflecting his commitment to developing future engineering talent.



Ir. Ahmad Rafidi Mohayiddin

Ir. Ahmad Rafidi Mohayiddin has over 25 years of experience in the oil and gas industry, specializing in engineering and project management for gas processing, transmission, metering, and liquefaction facilities. He has held key roles as Design Engineer, Engineering Manager, Project Manager, and Project Director, contributing to major projects including the Gas Processing Plants 5 & 6 Project, Central Luconia E11 Platform Rejuvenation Project, and the Sabah-Sarawak Gas Pipeline. He is a Professional Engineer with Practising Certificate (PEPC) and a Fellow of The Institution of Engineers, Malaysia (FIEM).