

MARINE ELECTRIC PROPULSION APPLICATION IN MALAYSIAN CONTEXT

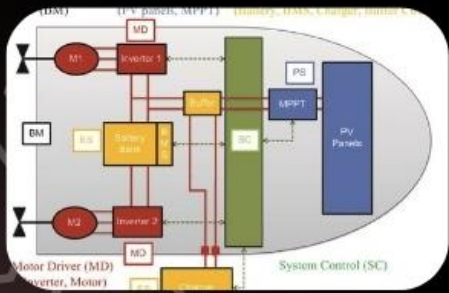


ELECTRIC PROPULSION FOR FUTURE MARINE VESSELS: MEETING MALAYSIA'S NETR CHALLENGES

Date :12th February 2026
Time : 9.30am to 5.00pm
Venue : UMTSEA, CP Tower,
Petaling Jaya

PARTICIPANT FEE
RM **150.00**

**CPD HOURS
WILL BE
AWARDED**



SCAN TO JOIN



For WhatsApp only
+60 10-868 0405



Visit Our Website
umtsea.edu.my



Our Location
CP Tower, Petaling Jaya

MARINE ELECTRIC PROPULSION APPLICATION IN MALAYSIAN CONTEXT

ELECTRIC PROPULSION FOR FUTURE MARINE VESSELS: MEETING MALAYSIA'S NETR CHALLENGES

Speaker 01



ELECTRIC PROPULSION AND AUTONOMOUS VESSELS: READINESS, CHALLENGES AND PATHWAYS FOR MARITIME INDUSTRY CHANGE

Assoc. Prof. Ir. Ts. Dr. Suriani Mat Jusoh

This presentation discusses the current state and future direction of electric propulsion and autonomous vessel technologies within the maritime sector. It provides an overview of how electric propulsion systems are being adopted in small vessels, workboats, and uncrewed surface vessels (USVs), driven by efficiency, emission reduction, and operational flexibility.

Speaker 02



ELECTRICAL PROPULSION VESSELS APPLICATION IN DEFENCE SECTOR IN NEXT TWENTY-FIVE YEARS

First Admiral (R) Dato' Ir. Hj. Ahmad Murad Bin Hj. Omar

In today's Climate change and net-zero goals are driving marine vessels toward cleaner energy. Electric propulsion is gaining use in maritime defense, including RMN and MMEA vessels for sovereignty, fisheries protection, and anti-piracy operations.

Speaker 03



INNOVATIVE MARINE ELECTRIFICATION SOLUTIONS FOR NEXT GENERATION SMART VESSELS

Nyan Phyto Min

This presentation highlights the global transition toward marine electrification driven by cost, regulation, and sustainability. Electric propulsion offers higher efficiency, lower emissions, reduced maintenance, and superior manoeuvrability. Growing adoption of battery-electric vessels presents strong business opportunities in smart propulsion systems, energy storage, and next-generation green marine solutions.

Speaker 04



ELECTRIFICATION OF MALAYSIA'S COMMERCIAL FISHING FLEET : A VIABLE PROPOSITION?

Haji Mohd Mazlan bin Abdul Manaf

Malaysia has about 56,000 registered vessels, nearly 50,000 of which are fishing boats. This sector is a major source of GHG emissions, marine pollution, and fuel subsidy costs. This presentation explores electrification as a potential solution to these challenges.

Speaker 05



ELECTRIFYING SMALL COMMERCIAL FLEETS – INTEGRATION CHALLENGES AND PRACTICAL SOLUTIONS

Ricky Cole

This presentation outlines key challenges in electrifying small commercial and harbour vessels, covering system integration, energy sizing, operations, charging, redundancy, and certification, supported by practical case studies from crew transfer vessels in Singapore.

Speaker 06



STADT AS LEAN ELECTRIC PROPULSION TECHNOLOGY AND ITS APPLICATION IN MARINE VESSELS

John I. Myklebust

This presentation introduces STADT AS Lean Electric Propulsion for marine vessels, highlighting integrated electric motors, energy storage, and intelligent power management to improve efficiency, reduce emissions, and enhance flexibility. It showcases proven naval, offshore, and commercial references, focusing on reliability, redundancy, lifecycle cost savings, and readiness for future hybrid and fully electric decarbonised solutions.



For WhatsApp only
+60 10-868 0405



Visit Our Website
umtsea.edu.my



Our Location
CP Tower, Petaling Jaya