

Webinar Talk on Understanding Metocean and Its Impact to Offshore Facilities

CPD Hours : 2 CPD Ref No : IEM24/HQ/034/T(w)

Jointly Organised by: Oil, Gas and Mining Technical Division & Marine Engineering & Naval Architecture Technical Division

SYNOPSIS

Metocean conditions, including dynamic forces like wind, waves, currents, and tides, play a pivotal role in shaping the entire lifecycle of offshore structures, from design and construction to operation and maintenance. A comprehensive understanding of these environmental factors is indispensable for ensuring offshore endeavours' safety, resilience, and environmental soundness. Thorough metocean data analysis drives the construction of robust structures, leading to robust structures that can withstand extreme weather events, optimising operational efficiency, and minimising environmental footprint. Embracing metocean science is therefore fundamental to advancing the sustainable development of offshore industries and safeguarding both human and ecological well-being in the marine realm. In essence, metocean knowledge is the lifeblood of offshore ventures. It translates the ocean's whispers into actionable insights, paving the way for safe, efficient, and sustainable developments on the high seas.

SPEAKER

Ir. Ts. Dr. Mohd Khairi Abu Husain

Ir. Dr. Mohd Khairi is currently an Associate Professor at Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia. He received his undergraduate and PhD degrees from the University of Liverpool, UK. He is also a registered Professional Engineer with the Board of Engineers Malaysia (BEM), the Professional Technologist with the Malaysia Board of Technologists (MBOT), the Chartered Engineer and a Chartered Marine Engineer with The Institute of Marine Engineering, Science and Technology (IMarEST, UK). Presently, he serves as a Deputy Director of the UTM Innovation and Commercialisation Centre (UTM ICC) and a Co-Founder of ACTS Smart Solutions Sdn Bhd (UTM's registered spin-off company and an award recipient for the Malaysia Commercialisation Year 2023 (MCY2023), provides technical consulting services to evaluate offshore platform reliability and performance. His research specialises in offshore structure modelling, hydrodynamic wave loading simulation, reliability and risk assessment of offshore structures and structural health monitoring.



Saturday | 9 March 2024 | 9AM – 11AM

Registration Fee:

Student Member: Free | IEM Member: RM15 | Non-Member: RM70

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