

BEM APPROVED CPD: 2

REF NO: IEM26/HQ/076/T(w)

WEBINAR TALK ON HUMANOID TECH FOR A COMPETITIVE NATION: BRIDGING AUTOMATION, SERVICES, AND HUMAN WELL-BEING

Date : 9 May 2026 (Saturday)

Time : 9.00 am - 11.00 am

Platform : Zoom Webinar

Registration Fees:

- Student Member : FOC
- IEM Member : RM 15.00
- Non-Member : RM 70.00

Synopsis:

Humanoid technology is emerging as a strategic enabler for Malaysia's next phase of economic and societal development. With industries facing labour shortages, rising operational complexity, and the need for safer, more efficient processes, humanoid robots offer adaptable, human-compatible solutions. Their ability to operate in existing environments—from manufacturing floors to healthcare, disaster response, and public services—positions them as a transformative technology. For Malaysia, adopting humanoid systems can enhance productivity, support high-value industries, strengthen national resilience, and cultivate a skilled workforce in robotics and AI. This talk discusses Malaysia-centric opportunities, challenges, and strategic pathways for accelerating humanoid technology adoption.

Speaker: Ir. Prof. Ts. Dr. Mohd Rizal bin Arshad

Ir. Prof. Ts. Dr. Mohd Rizal bin Arshad is a pioneer in underwater robotics in Malaysia, with recognized expertise in autonomous underwater vehicles (AUVs), robotic vision, and oceanographic instrumentation. He holds a PhD from the University of Liverpool and is a Senior Member of the IEEE. He is also a registered Professional Engineer with the Board of Engineers Malaysia (BEM), a Chartered Engineer with the UK Engineering Council, and a Fellow of the Institute of Marine Engineering, Science and Technology (IMarEST).

He is an active contributor to the advancement of intelligent systems, marine technologies, and robotics innovation. In recognition of his significant contributions to science and engineering, he was elected as a Fellow of the Academy of Sciences Malaysia (ASM) in 2024. His leadership in strategic academic and research initiatives reflects a strong commitment to promoting excellence, global collaboration, and transformative impact in engineering and technology education.

