

**BEM APPROVED CPD: 2****REF NO: IEM26/HQ/077/T(w)**

## **WEBINAR TALK ON HARVESTING POWER, EMPOWERING PEOPLE**

**Date :22 August 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:**

Access to reliable electricity remains uneven, limiting opportunities for education, health, safety, and economic growth. Portable energy-harvesting technologies—whether from sunlight, motion, heat, or ambient environments—offer a practical and affordable way to bring power to anyone, anywhere. By enabling individuals and communities to generate their own electricity, these modules reduce dependency on centralised grids, enhance resilience during disasters, and support remote or underserved regions. This talk explores how portable energy harvesting can democratise energy generation, empower households, stimulate innovation, and create new pathways for sustainable development. It highlights opportunities for Malaysia and beyond to build a more inclusive, energy-secure future.

**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.

