Online Talk:

Enhancing Automation with IoT:

Bridging Technology and Intelligence

Synopsis

The Internet of Things (IoT) is transforming automation through the integration of smart technologies and artificial intelligence. This talk will cover IoT's key components, current trends, and its real-world applications across industries, from manufacturing to smart cities. The discussion will emphasize the synergy between IoT and artificial intelligence, showcasing benefits in the field of automation such as predictive maintenance and optimization. Additionally, it will address challenges related to security and interoperability and explore future innovations in IoT for enhancing automation

The Institution of Engineers, Malaysia
(Penang Branch)

📅 **24 July 2025 (Thurs)**

⏰ **6.00pm – 8.00pm**

📋 **BEM CPD Hours: 2**
Ref:IEM25/PG/280/T (w)

REGISTER ONLINE @
event.iempenang.org

IEM Member : RM 15
Non-IEM Member: RM 50

About the Speaker
Assoc. Prof. Dr. Lee Gin Chong

Assoc. Prof. Dr. Lee Gin Chong joined UOW Malaysia, as senior lecturer since October of 2022. He is subject matter expert in developing new subjects and improving content for Artificial Intelligence and Applications, Microcontrollers and Microprocessors, C Programming, Python Programming, Digital Electronics, Embedded Systems, Robotics, and Electronic Circuit Design. He also supervises postgraduate and undergraduate projects in the areas of AI-enabled Systems, IoT-enabled Systems and Microcontroller-based Systems.

Dr. Lee is an experienced academician with more than 18 years' research and teaching experience in the engineering higher education industry since 2006. He continually exhibits and achieves excellent teaching, cultivating students' research interest and encouraging many students to excel in their academics. He is also actively involved in Artificial Intelligence (Deep Learning, Neural Networks) and Human-Computer Interface Research Activities.

Dr. Lee graduated with a Bachelor (Hons) Electronics Engineering majoring in Computer (with CGPA 3.92) from Multimedia University in 2006. He earned his Master of Engineering Science in Robotics from the same university in 2012. In 2022, he received his doctorate (Doctor of Philosophy) in Artificial Intelligence from Universiti Malaya.

Moderator
Prof. Dr. Yeap Gik Hong

This event is organized by

The Institution of Engineers, Malaysia
Electronic Engineering Technical Division