

# PHYSICAL DIGITAL CLASS "CRAFTING THE FUTURE: A MAKER'S JOURNEY INTO INNOVATION AND CREATION"

**LIMITED TO 25  
PARTICIPANTS  
ONLY!**

Date: 14<sup>th</sup> September 2024

Venue: IEM Maker Space Room, Ground Floor, Wisma IEM,  
Petaling Jaya, Selangor (PHYSICAL)


Time : 11.00am - 1.00pm

Speakers: Ir. Lee Mun Poh, Ir. Chai Chen Sing, Ir. Chee Shai Choon  
and Ir. Yasser Asrul Ahmad.

CPD Hours : 2 Hours

CPD Ref Num : IEM24/HQ/179/T

 [www.myiem.org.my](http://www.myiem.org.my)

 **03-78900133**

Each participants are REQUIRED to bring own laptop

## SYNOPSIS

Embark on a transformative journey through the world of making with our comprehensive course, "Crafting the Future." This program is designed for aspiring makers, creatives, and innovators seeking to master the art of bringing ideas to life through hands-on creation. Dive into a dynamic curriculum that seamlessly blends traditional craftsmanship with cutting-edge technologies, empowering you to become a proficient and visionary maker. Through a blend of theoretical knowledge, hands-on projects, and real-world applications, "Crafting the Future" equips you with the skills, mindset, and network to thrive in the dynamic and exciting world of making. Unleash your creativity, innovate with purpose, and join a global community of makers shaping the future. Your journey into the heart of creation begins here.

## ABOUT THE SPEAKERS

### Ir. Lee Mun Poh

Graduated with a bachelor of science (mechanical engineering) from the university of Sussex (UK) in 1975. He is a registered professional engineer with a practising certificate (mechanical), board of engineers, malaysia. Ir. Lee has more than 45 years working experience in the field of industrial automation and controls. He was the past chairman to IEM ICTSIG. He has completed projects in wood, electronic, electrical, chemical and automotive industries.

### Ir. Chai Chen Sing

With 24 years of experience in the engineering industry, Ir. Chai's experience range from consulting services and contracting in construction industry, SCADA implementation for processing plant, web application development and Internet Of Things (IOT). He is currently the principal consultant for Versoset Engineers Sdn. Bhd. and also the technical director for Mercatura, an IOT solution provider. He heads the technical development for integrated custom-made embedded system as well as web application development utilising cloud solution. Ir. Chai Chen Sing graduated from university of new south Wales, Australia in 1992.

### Ir. Chee Shai Choon

Ir. Chee Shai Choon is a CPESC certified professional who leads a group of software developers in C & S Software Solutions Sdn. Bhd. which incorporated in year 2006. He is specializing in storm water where he has developed a "core msma suite" which covers all the chapters in msma 2nd edition. He has completed the whole msma2 into digital edition. He is the software developer of the infrastructure software which provided the most comprehensive civil engineering software. He has accumulated 21 years of his experience in field of IT and engineering design. His official website: [www.civilstructural.com.my](http://www.civilstructural.com.my). Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys (recommended alternative cad) Bricscad BIM, Computer Control System(Bridges)-Greece and Ingeciber, S.A(FEM) Spain. Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Talks & seminar.



## Ir. Yasser Asrul Ahmad

Ir. Dr. Yasser Asrul Ahmad holds a bachelor's degree in electrical engineering from Vanderbilt University USA, MSc from University Kebangsaan Malaysia (UKM) and PhD from International Islamic University Malaysia (IIUM). He is also a registered Professional Engineer with Practising Certificate registered with the Board of Engineers Malaysia (BEM). He started his career as a spacecraft engineer at Astronautic Technology (M) Sdn Bhd (ATSB) in 1999 where he was involved in various international satellite project collaboration such as TiungSAT-1 with Surrey Satellite Technology Limited (SSTL) UK, Small Payload Orbit Transfer Vehicle Project with AeroAstro, USA, and RazakSAT remote sensing satellite program with Satrec-i, South Korea, as well as internal studies on small GEO satellite communications and synthetic aperture radar satellite. He specialized in spacecraft transmitter and receiver, antenna system, electrical ground support equipment (EGSE) and ground station for frequencies ranging from VHF to Xband. Later he took up responsibility as a system engineer and project manager involving in satellite system engineering activities, such as satellite Assembly Integration and Test (AIT), launch and ground station ICD development, LEOP and launch campaign. After that, he joined ATM Solution Sdn Bhd a Malaysian technology partner for Agilent Technologies as a Technical Manager overseeing a team of application engineers to provide technical solutions using electronic test & measurement instruments to clients in the segment of Telecommunication, Education, Aerospace & Defense, and Government & GLC institutions. Subsequently, he pursued a career as an independent engineering consultant specializing on CubeSat development for his clients in Malaysia, Singapore and Indonesia. At the same time, he was appointed by University Selangor (UNISEL) as a Lecturer in Practise to share his working experience through teaching undergraduates at the Faculty of Engineering. He then developed an interest in academic and joined IIUM. He is also actively involved in community services where he is a corporate member of the Institution of Engineers Malaysia (IEM) and hold a position as the Chairman of ICT Special Interest Group (ICTSIG) for three session (2019-2022). In ICTSIG, activities such as talks & technical visits were organized in the area of IoT, Blockchain, AI, Green Energy, Smart Cities, 5G and programming languages. He also contributes to the country's engineering education development as an Accreditation Panel for Engineering Accreditation Council (EAC) and Engineering Technology Accreditation Council (ETAC)

