



**18 May 2024 (Sat)**



**8.30am – 11.00am**



IEM Secretariat Office  
1-04-02 E -Gate  
Lebuh Tunku Kudin 2  
11700 Penang



**BEM CPD Hours: 2**  
Ref:IEM24/PG/152/D



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**IEM Member : FOC**  
**Non-IEM Member: RM60**

## Synopsis

Every person in this world will be impacted by climate change which has been affecting all living creatures and disrupting economies. To combat climate change, Malaysia together with 192 other nations adopted the 2030 Agenda for Sustainable Development at the United Nations General Assembly in New York on 25 September 2015. As part of our on-going effort to improve sustainability, the IEM Penang Branch has also been actively collaborating with Penang Green Council and local councils to promote renewable energy and other ways to improve our environment.

MBPP has also begun implementing the requirement for renewable energy for buildings. However, the blanket requirement may not suit all types of buildings. In line with Majlis Bandaraya Pulau Pinang (MBPP)'s direction, the IEM SPEAD and ESG sub-committee held a meeting with PAM to discuss about the feasibility of an all-encompassing regulation for renewable energy and propose a guidance which can be adopted to achieve our goal towards a cleaner and greener Penang.

### What IEM members can do to help?

Since there is no turning back on renewable energy, we should aim at enhancing the systems, policies and practice to benefit everyone and our planet.

In this dialogue, we will discuss about the feasibility of the implementation on various types of buildings and adoption of evidence-based practice. Your presence to give comments and feedbacks will help our local council to understand the challenges faced by our engineers and to ensure that the guideline is fine-tuned for it to be implemented smoothly in large scale

## About the Speaker



Speaker:  
**Ir. Chau Hoo Wan**

Ir. Chau Hoo Wan graduated with MSc. Hons (1988-1990) in Power Electronics Engineering & BSc. Hons (1986-1988) in double major Electrical/Electronic Engineering & Thermo-Dynamic Mechanical Engineering from South Dakota State University (SDSU), U.S.A. He was a SDSU scholarship holder & All-American Deans' List recipient in 1988, 1989 & 1990. He was the project leader & design engineer for a few major research works in SDSU. Omi-Directional Torquer for satellite, DeadBeat Controller, Automobile Engine & Interior Defroster, Solar PV Transformerless Inverter were some of his undergraduate R&D works while he worked as a Research Assistant & Instructor in SDSU in his early years.

He is an accredited APEC Engineer, ASEAN Engineer & Professional Engineer with Practicing Certificate (PEPC), SEDA GCPV competency, MGBC GBIF, ST PQA & REEM etc. He is also an author for several published engineering papers on air pollution control system innovation. He has given technical talks and was an Engineering Judge for local higher institutions engineering competition. He is the patent holder for the special elevated ventilated PV mounting bracket system for higher yield which utilizes only construction materials available in the market instead of the market standard Aluminium rail mounting system. Currently, he is the chief engineer in his firm providing various specialized engineering services to local heavy industries. Upon the launching of SEDA RE Act 2011, he has been utilizing his long-forgotten knowledge & started to invest/configure high efficiency Solar PV system with proven good ROI. Currently, he is concentrating on PV Solar RE as SEDA registered PV service provider, RE PV Solar investor & consultant to provide various other related services such as building structural analysis, safety lifeline design & electrical engineering consultancy services to the public.

## Part 2: Dialogue with IEM Members

**Moderator:** Ir. Tan Bak Ping

**Panels:** Mayor Ir. Rajendran s/o P.Anthony (MBPP),  
Ir. Andy Lian Shin Wai (C&S), Ir. Juliet Choo Lay Guat (M),  
Ir. Wong Kok Nian (E), Ir. Teh Siew Yin (Minute Taker)

## Agenda

Time	Details
8.30am-9.00am	Registration & Breakfast
9.00am-10.00am	Part 1: Talk by Ir. Chau Hoo Wan
10.00am-11.00am	Part 2: Dialogue with IEM members