

## **Talk on Electric Vehicle Charging - Current Status, Trend and Development in Malaysia, and Experience from Implementing Standalone DC Fast Charger System**

*(Organised by Electrical Engineering, Technical Division, IEM)*

**Date** : 31<sup>st</sup> March 2018 (Saturday)  
**Time** : 11.00am – 1.00pm (*Refreshments will be served at 10.30am*)  
**Venue** : Malakoff Auditorium, Ground Floor, Wisma IEM, Petaling Jaya  
**Speaker** : Ir. Lee Yuen How and Dr. Che Hang Seng

### SYNOPSIS

For the past few decades, there is a clear global trend towards the development of e-mobility and the electrification of transportation system. As a matter of fact, countries like the UK and France has announced their target to ban gasoline and diesel vehicles by 2040, moving towards Electric Vehicle (EV) instead. It is anticipated that hybrid and plugin hybrid EVs will buffer the transition before the automotive industry go for full EV or Battery EV (BEV). The soon-to-be-announce NAP2018 is expected to include Malaysia's plan towards embracing this global trend.

One of the key concerns that hindered the widespread adoption of BEV is no doubt the range anxiety. Even with the development of battery technology, it is expected that EV charger will be an important element of transport infrastructure to support the development of e-mobility in the world, including Malaysia. In this talk, Ir. Lee and Dr. Che will share their experience on the current status, trend and development of Electric Vehicle charging systems in Malaysia as well as their experience from implementing the first standalone DC-fast charger system at Ayer Keroh R&R

### SPEAKERS' BIODATA



**Ir. Lee Yuen How** received his Bachelor degree in Electrical Engineering from Multimedia University (MMU), Malaysia in 2007. Ir. Lee is a corporate member of The Institution of Engineers Malaysia (IEM), a Professional Engineer registered to Board of Engineers, Malaysia (BEM). He is also GBI Facilitator, GreenRE Manager and also completed his Green Mark Manager certification course. Ir. Lee is a Registered Electrical Energy Manager (REEM) by the Suruhanjaya Tenaga and Greentech Malaysia. He is a SEDA Malaysia Grid-Connected Photovoltaic (GCPV) Design Qualified person (QP) and also the KNX Partner for building management system. In addition, he is a member of the working group for the Malaysian Standards in Electric Vehicle (EV) charging system and a member of the TEEAM SWO WG on IEC 60364, Part 8 and Part 9 concerning Energy Efficiency and Photovoltaic System standards which form part of the MS1936 Electrical Installation of Buildings.

He is currently the director of EV Connection Sdn Bhd and Light and Energy Solution Sdn Bhd which are EV charging infrastructure service providers to auto manufacturers like Volvo, Nissan, Renault and etc. The company is also the only company listed and recognized as an EV service provider in GreenTech Myhijau directory. He is also the architect and the system integrator of the first standalone DC charger fast charger system in Ayer Keroh R&R powered only from Solar PV energy.

**Dr. Che Hang Seng** received his BEng degree in Electrical Engineering from the University of Malaya, Malaysia, in 2009. He then obtained his PhD degree in 2013 under auspices of a dual PhD programme between the University of Malaya and Liverpool John Moores University, Liverpool, UK. He is a senior lecturer in Power Energy Dedicated Advanced Center (JUMPEDAC), University of Malaya and is currently serving as an associate editor of IET-Electrical Power Application (IET-EPA) journal. Dr. Che was the recipient of the 2009 Kuok Foundation Postgraduate Scholarship Award for his PhD study. In 2016, he received the Malaysia's Rising Star Award (by Ministry of Higher Education) under the Frontier Researcher category. His research interests include power electronic converters and drives, fault tolerant control and renewable energy generation.

Dr. Che is involved in consultancy for industry/NGOs, including United Nations Industrial Development Organization (UNIDO), Academy of Sciences Malaysia (ASM) and MIMOS to name a few, on energy efficiency and usage, energy audits, electrical motor control as well as electric vehicle charging projects

**Ir. Chong Chew Fan**  
Chairman  
Electrical Engineering Technical Division

**BEM Approved CPD/PDP Hours: 2**  
Ref. No. : IEM18/HQ/089/T

### ANNOUNCEMENT TO NOTE

**Effective 1st October 2017**

#### FEEES FOR TALKS

##### Members

Registration Fee : FOC  
Administrative Fee :  
Online: RM15.00  
Walk-In: RM20.00

##### Non-Members

Registration Fee : RM50.00  
Administrative Fee : RM20.00

Limited seats are available on a "first come first served" basis (maximum 100 participants).

**To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)**

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