

**Training Mode:  
Physical**



Approved Duration:  
Applying

HRD Corp Serial No:  
Applying

Organised By Building Services Technical Division (BSTD), IEM

# Physical One Day Seminar on Challenges for EV Charging Station Development

BEM APPROVED CPD: Applying

REF NO: Applying

**Date : 20 Aug 2025 (Wednesday)**  
**Time : 9.00 am - 5.00 pm**  
**Venue : Auditorium Malakoff, Wisma IEM, Petaling Jaya**  
**Speakers : Ir. Saravaiswaran A/L Ramakrishan**  
**: Ir. Muhammad Nurhaiman Bin Hairuddin**

**CLOSING DATE : 18 Aug 2025**

## REGISTRATION FEE'S (subject to 8% SST)

	<b>ONLINE FEE (NON HRDF Claimable)</b> (Log-in for registration & payment: <a href="http://www.myiem.org.my/member/login.aspx">www.myiem.org.my/member/login.aspx</a> )	<b>NORMAL FEE (HRDF Claimable)</b> (By Email : Payment by cash, credit card, bank-in, Quotation & Invoice)
IEM Student Members	180.00	230.00
IEM Graduate Members	300.00	350.00
IEM Corporate Members	450.00	500.00
Non-IEM Members (Non of the Above)	900.00	950.00

# Programme

TIME	PROGRAMME
08:30am – 09:00am	Registration of Participants
9:00 AM – 9:10 AM	Welcome Remarks / Opening Speech
9:10 AM – 10:30 AM	Session 1: EVCS Technology, Charging Types & Standards
10:30 AM – 10:45 AM	Morning Tea Break
10:45 AM – 12:30 PM	Session 2: EV Charging Technology – AC/DC, OBC & Standards
12:30 PM – 2:00 PM	Lunch Break
2:00 PM – 3:30 PM	Session 3: PMO EVCS Flow – From Application to Commissioning
3:30 PM – 3:45 PM	Afternoon Tea Break
3:45 PM – 4:45 PM	Session 4: Grid Supply, Infrastructure Challenges & Case Studies
4:45 PM – 5:00 PM	Q&A, Closing Remarks & Group Photo

## Synopsis

This one-day technical course offers comprehensive insights into the planning, application, and implementation process of Electric Vehicle Charging Systems (EVCS) in Malaysia, with a specific focus on the workflow guided by Tenaga Nasional Berhad's Project Management Office (PMO).

Participants will gain a deep understanding of the EVCS development cycle – from stakeholder engagement and regulatory approvals to technical setup and grid integration. The course will also cover charging technologies (AC vs DC), approved connector types (Type 2 & CCS2), and On-Board Charger (OBC) compatibility across various EV models.

Malaysia's EV roadmap, including national targets for 2025 and 2030, will be discussed alongside real data on vehicle registrations and charging capacities. Grid infrastructure readiness and future challenges in scaling EVCS deployment will also be addressed.

This course is designed for engineers, planners, consultants, and professionals involved in transport electrification, aiming to strengthen technical readiness and project execution capability.



# SPEAKER'S PROFILE

## Speaker 1 : Ir. Saravaiswaran A/L Ramakrishnan

Saravaiswaran Ramakrishnan, P.Eng is the Head of EV Infrastructure, PMO Electric Vehicle at Tenaga Nasional Berhad, a role he's held since May 2022. With over 23 years in the electricity distribution and EV infrastructure domain, he leads TNB's electric vehicle projects and infrastructure development strategies.

Previously, he served as Managing Director at Tenaga E Mobility Solutions Sdn Bhd (Dec 2021–Dec 2022), and as General Manager at TNB Energy Services Sdn Bhd (Jul 2019–Dec 2021), where he spearheaded business development in green technologies and sustainability initiatives.

Saravaiswaran's long-standing service at Tenaga Nasional includes roles such as Head of Demand Response Project, Senior Control Engineer, Switchgear Engineer, Planning & Construction Engineer, and Safety & Health Officer, covering distribution systems, project planning, operational control, and workplace safety.

His academic credentials include a Post-Graduate Diploma in Safety, Risk and Reliability Engineering from Heriot-Watt University, a Commonwealth Executive MBA, and a Bachelor's degree in Electrical Power Engineering.

With his blend of technical expertise, leadership in EV infrastructure, and sustainable energy focus, Saravaiswaran brings a well-rounded perspective to speaking engagements in energy, sustainability, and electrification.

## Speaker : Ir. Muhammad Nurhaiman Bin Hairuddin

Ir. Haiman Hairuddin is an Engineer at Tenaga Nasional Berhad (TNB), where he has built a decade-long tenure since joining the company in December 2017—now marking about 7 years and 8 months in service (as of August 2025). During his time at TNB, he has contributed to diverse engineering and utility initiatives within the national power grid.

With extensive experience in electrical engineering, maintenance, and system operations, Ir. Haiman is adept at tackling technical challenges in Malaysia's energy sector. Though detailed public records are limited, his sustained role at one of Southeast Asia's largest power utilities reflects strong expertise and reliability.

He specializes in supporting TNB's core mission of ensuring reliable electricity distribution—critical to the company's expanding efforts in grid modernization and EV charging infrastructure rollout.

Ir. Haiman is well-suited for speaker engagements in areas such as:

- Electrical grid operations & reliability
- Utility-scale project engineering
- Infrastructure integration and support for EV ecosystems

With his practical knowledge from within Malaysia's primary electricity provider, Ir. Haiman brings grounded engineering insight and operational perspective—ideal for conferences on utilities, infrastructure, and electrification.



# REGISTRATION FORM

Physical One Day Seminar on “Challenges for EV Charging Station Development  
20 Aug 2025 (Wednesday) **Closing Date : 18 Aug 2025**  
Email : shahrul@iem.org.my / syafiq@iem.org.my

REGISTRATION FEE'S (subject to 8% SST)		
	ONLINE FEE (NON HRDF Claimable) (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (HRDF Claimable) (By Email : Payment by cash, credit card, bank-in, Quotation & Invoice)
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NAME	MEMBERSHIP NO.	NRIC	FEES (RM)
Sub Total:			
SST Added 8% :			
Total Amount Payable :			

**FULL PAYMENT must be settled before commencement of the course**, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

Telephone No. : \_\_\_\_\_ (O) \_\_\_\_\_ (Fax No.)

\_\_\_\_\_ (H) \_\_\_\_\_ (HP)

Email : \_\_\_\_\_

\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date