



Organised By Building Services Technical Division (BSTD), IEM

Physical Half Day Course on “Challenges for EV Charging Station Development”

BEM APPROVED CPD: Applying

REF NO: Applying

Date : 05 Feb 2026 (Thursday)
Time : 9.00 am - 1.00 pm
Venue : Auditorium Malakoff, Wisma IEM, Petaling Jaya
Speakers : Ir. Saravaiswaran A/L Ramakrishan
: Ir. Muhammad Nurhaiman Bin Hairuddin

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 2 : 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.



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 – 11:45 AM	Session 2: EV Charging Technology – AC/DC, OBC & Standards
11:45 AM – 12:45 PM	Session 3: PMO EVCS Flow – From Application to Commissioning
12.45 PM - 1.00 PM	Q&A Session + Group Photo
1.00 PM	Lunch Break End Programme

REGISTRATION FORM

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

05 Feb 2026 (Thursday) **Closing Date : 02 Feb 2026**

Email : syafiq@iem.org.my

REGISTRATION FEE'S (subject to 8% SST)		
	ONLINE FEE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (By Email : Quotation & Invoice) syafiq@iem.org.my
IEM Student Members	80.00	100.00
IEM Graduate Members	150.00	180.00
IEM Corporate Members	250.00	300.00
Non-IEM Members (Non of the Above)	400.00	500.00

NAME	MEMBERSHIP NO.	NRIC	FEES (RM)
Sub Total:			
SST Added 8% :			
Total Amount Payable :			

Organisation :

Contact Person :

Position:

Billing Address:

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Company Registration No : Tax Identification (TIN no) :

Contact Details: Office No:

Email Address:

Date Submitted : Handphone No: