

# The HKIE – Electrical Division Symposium

## New Quality Production Forces in Electrical Engineering

Thursday, 23 October 2025

### SYMPOSIUM PROGRAMME

08.30	Registration and Coffee	12.15	Discussion
09.00	Welcome Address - Ir Tim C.T. Leung Chairman, Electrical Division, The HKIE	12.30	Lunch
09.05	Opening Address - Ir Alice K.T. Chow President The Hong Kong Institution of Engineers	<b>3. <u>AI Applications</u></b>	
09.20	Keynote Speech - Dr. Lawrence C.C. Cheung Chief Technology Officer Hong Kong Productivity Council	14.00	Empowering Engineers with AI: How EMSD's AI Agent Drives the New Quality Production Force - Ir Morize K.T. Lau E&M Engineer Electrical & Mechanical Services Department The Government of the HKSAR
<b>1. <u>Power Systems</u></b>		14.20	Adoption of AI Technology in Railway Project Delivery - Mr. Auld Calum James Senior Engineering Manager MTR Corporation Limited
09.50	The BVLOS Era: Reshaping Power Grid's Resilience and Reliability - Ir Edward K.S. Chan Principal Manager – Logistics & Transport - Mr. John L.C. Hung Business Support Manager CLP Power Hong Kong Limited	14.40	Making Your Electrical Switchboard AI-Ready - Ms. Jaya Mishra Principal Technical Expert, Power Systems Schneider Electric
10.10	Key Technologies and Applications of High-Efficiency AC Flexible Interconnection in Distribution Networks - Dr. K.K. Gu, Deputy General Manager Wuhan NARI Electrical New Materials Technology Centre Wuhan NARI Limited Liability Company State Grid Electric Power Research Institute	15.00	Discussion
10.30	Enhancing Safety, Sustainability and Power Resilience with Digital Electrification - Ir Keith T.M. Wong, General Manager - Electrification & Automation - Mr. Albert P.H. Leung, Senior Project Engineer - Mr. Owen C.P. Woo, Project Engineer - Ms. Christy K.Y. Chan, Graduate Engineer Smart Infrastructure, Siemens Limited Hong Kong	15.20	Coffee Break
10.50	Discussion	<b>4. <u>Smart Technology</u></b>	
11.05	Coffee Break	15.50	Smart Autonomous Development for Airfield Ground Lighting Maintenance in Hong Kong International Airport - Ir Leslie K.M. Lee Senior Manager, Airfield & Electronic Systems Technical Services Systems Department Airport Authority Hong Kong
<b>2. <u>Zero Carbon &amp; Renewable</u></b>		16.10	Harnessing Big Data-Driven Pedestrian Traffic and Weather Insights for Smart Building Management - Dr. Andrew H.C. Wu Lecturer Department of Electrical and Electronic Engineering University of Hong Kong
11.35	Zero Carbon EV Charging Infrastructure – A Smart Demand-Side Management Approach for Sustainable EV Integration - Ir Professor Geoffrey L. Chan Co-founder and Technical Director RadiansPlus Technologies Limited	16.30	Discussion
11:55	Artificial Intelligence Based Automatic Fault Detection and Diagnosis for Photovoltaic Power Stations - Dr. L.W. Zhang Associate Professor South China University of Technology	16.45	Summing Up - Ir Banson K.C. Lam Symposium Chairman Electrical Division, The HKIE
		Closing Address - Ir Dr. Wilton W.T. Fok Associate Dean (Student Enrichment) University of Hong Kong	



## The HKIE – Electrical Division

### The 43rd Annual Symposium

## New Quality Production Forces in Electrical Engineering

Thursday, 23 October 2025  
3/F, Ballroom, Sheraton Hotel

### Registration

Prior registration is required. Both HKIE and non-HKIE members are welcome.

Please register via the link <https://forms.gle/t5Ek3EaiD2Bq4enB8>. Applicants will be notified if their enrolments are successful or not with e-mails. Terms and conditions are listed in this leaflet, and the registration form via the above link.

Successful applicants are required to follow the instruction detailed in the confirmation e-mail to provide their payment to confirm their enrolment.

For enquiry, please contact:

Ir Y.K. Chu  
Symposium Secretary  
The 43rd Electrical Division Symposium, 2025  
The Hong Kong Institution of Engineers  
Tel: 9735 3986 E-mail: [hkie.eeldiv@gmail.com](mailto:hkie.eeldiv@gmail.com)

Enrolment fee: **\$ 1,900 per participant**

**\$ 1,700 per participant enrolled before 30 September 2025**

The closing date of enrolment is 15 October 2025.

### **Certificate**

*Attendance certificate of this 6-hour Symposium will be provided to individual participants.*

### **Enrol Now!**

### **Cancellation**

No refund or deduction of fee can be made for cancellation, but a substitute delegate is permitted. See also other terms and conditions in the registration form.

Note: We reserve the right to change speaker(s) and/or the programme contents without prior notice.