

The HKIE – Electrical Division Symposium
Smart Sustainability: Transforming Energy, Cities and Industry

22 October 2026



The HKIE – Electrical Division
The 44th Annual Symposium

Smart Sustainability: Transforming
Energy, Cities and Industry

Thursday, 22 October 2026
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 44th Electrical Division Symposium, 2026
The Hong Kong Institution of Engineers

Tel: 9735 3986 E-mail: hkie.eeldiv@gmail.com

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

\$ 1,700 per participant enroled before 30 September 2026

The closing date of enrolment is 15 October 2026.

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.

SYMPOSIUM PROGRAMME

08.30 Registration and Coffee

09:00 Welcome Address
- Ir Ben C.K. Lam
Chairman, Electrical Division, The HKIE

09.05 Opening Address
- Ir Hon. Aaron K.M. Bok
Member (Functional Constituency - Engineering)
Legislative Council, The Government of the HKSAR

09.20 Keynote Speech
- Mr. Terry P.S. Wong
Chief Executive Officer
Hong Kong Science & Technology Parks Corporation

1. LV & MV Systems

09.50 BESS in LV Network: Unleash the Full Potential of Grid Management and Flexibility
- Mr. Michael T.H. Kwong, Senior Engineer
- Mr. Tim P.C. Ho, Senior Engineer
- Mr. Jason K.W. Cheung, Senior Engineer
- Ms. Cindy W.H. Tung, Engineer
- Mr. Andy T.S. Cheung, Engineer
CLP Power Hong Kong Limited

10.10 Enhancing Low-Voltage Network Visibility: An IoT-Enabled Low-Voltage Management System at HK Electric
- Ir H.M. Leung, Head of Engineering Systems
- Ir P.C. Tang, Chief System Operations Planning Engineer
The Hongkong Electric Co. Ltd.

10.30 SF₆ Free and Digital Medium Voltage Gas Insulated Switchgear for Sustainable Power Distribution
- Ms. Vivian J.M. Chen
Head of Product Lifecycle Management
Siemens Limited

10.50 Discussion

11.05 Coffee Break

2. Power Grids & Networks

11.35 AC 400V Interconnected Distribution Network with “Zero Power Outage” Coordinated by Regional Autonomy and “Source-Grid-Load-Storage-Charging-Discharging”
- Professor X.G. Wang, Vice Professor of Power Electronics
School of Mechanical & Electrical Engineering, Guangzhou University
- Mr. Z.H. Ru, Deputy General Manager
GDEPRI Power Control Systems & Equipment Co. Ltd.

11:55 Grid Impacts of AI Data Centres
- Professor Q. Wang, Associate Professor
Department of Electrical and Electronic Engineering,
The Hong Kong Polytechnic University

12.15 Discussion

12.30 Lunch

3. Smart Technology Applications

14.00 Future-Proof AI Data Centres for Ultra-High Density Racks
- Ms. Allegia Wiryawan, Senior Systems Design Engineer
- Ms. X.L. Lim, Senior Power System Technical Expert
Schneider Electric Limited

14.20 Achieving Sustainable Train Maintenance Through Advanced Automation and Digitalization: iWMC
- Ms. Eliza C.S. Yang
Chief Rolling Stock Asset Development Manager
Hong Kong Transport Services
MTR Corporation Limited

14.40 Bridging the Semantics-to-Action Gap: An Architecture for Deploying Agentic AI for Smart Building Framework and Education
- Ir Raymond K.M. Sze, E&M Engineer
Electrical & Mechanical Services Department
The Government of the HKSAR

15.00 Discussion

15.20 Coffee Break

4. Environmental Protection

15.50 Smart Sustainability in Action: Transforming Municipal Waste into Green Electrical Power at IWMF1
- Ir Louis K.H. Chan
Senior Environmental Business Manager
China Harbour Engineering Co. Ltd.
- Mr. Joseph Geow
Assistant General Manager, Engineering
Keppel Seghers Singapore

16.10 Advanced Battery Lifecycle Management: Solutions to Premature Retirement of Lithium Batteries in High-Density Urban Environments
- Professor Frank L.Y. Lam, Assistant Professor of Engineering Education
The Hong Kong University of Science and Technology
- Ir Ian Y.L. Lee, Founder & Chief Executive Officer
- Mr. Warrick W.H. Mak, Chief Knowledge Officer
I-Charge Solutions International Ltd.

16.30 Discussion

16.45 Summing Up
- Ir Tim C.T. Leung
Symposium Chairman
Electrical Division, The HKIE

Closing Address

- Ir Professor Frank F. Chan, JP
President, The HKIE