



SYMPOSIUM PROGRAMME

08.30	Registration and Coffee
09:00	Welcome Address - Ir Andrew K.W. Yan Chairman, Electrical Division, The HKIE
09.05	Opening Address - Mr. Kevin O'Brien Chairman Business Environment Council, Hong Kong
09.20	Keynote Speech - Ir Professor C.Y. Chung Chair Professor of Power Systems Engineering and Head Founding Director of Research Centre for Grid Modernisation Department of Electrical and Electronic Engineering The Hong Kong Polytechnic University
1. <u>Sustainable Development</u>	
09.50	Sustainable Development Goals and Electrical Engineering Perspective - Ir Dr. F.C. Chan Past President The Hong Kong Institution of Engineers
10.10	Nuclear Fusion for Sustainable Development? - Ir Professor Herman Y.W. Tsui Chief Executive Officer A-oneTech Limited, Hong Kong
10.30	New Technical Initiatives of Sustainable Development in New Line Railway - Ir Louis W.K. Lau Chief Construction Manager - Building Services MTR Corporation Limited, Hong Kong
10.50	Discussion
11.05	Coffee Break
2. <u>AI Applications</u>	
11.35	Utilizing AI-enabled Digital Twin for ESG Compliance and Smart Facility Management - Ir Dave C.H. Chan Chief Executive Information, Communications & Building Technologies ATAL Technologies Ltd.
11:55	Artificial Intelligence Based Forecast Models Development for Photovoltaic Power System - Dr. Langwen Zhang Associate Professor College of Automation Science and Technology South China University of Technology, Guangzhou

12.15	Discussion
12.30	Lunch
3. <u>New Technologies in Power Systems</u>	
14.00	LV Smart Grid Technologies for the Utility of the Future - Dr. Tianxiang Jiang Principal Manager - Smartgrid Strategy CLP Power Hong Kong Limited
14.20	Road to Carbon Neutrality with Microgrid Implementation - Mr. Keith T.M. Wong Head of Digital Business and Electrical Products - Mr. Terrence Y.T. Choi, Project Manager - Mr. Hydren H.C. Lam, Senior Product Engineer Siemens Limited
14.40	A State-of-the-Art Environmentally Friendly Transformer Oil for Extended Transformer Life Cycle - Mr. James Reid Technical Manager - Ester Applications - Mr. Budi Wicaksono Applications Engineer - MIDEL Asia Pacific M&I Materials Limited
15.00	Discussion
15.20	Coffee Break
4. <u>Digital Applications in Construction & Built Environment</u>	
15.50	City Data Repository and Applications Development for Built Environment - Ir Dr. Bruce W.H. Chong City Advisory, Climate & Urban Sustainability Leader East Asia Region Arup
16.10	Unlocking Digital Power in Construction and Built Environment - Ir Raymond W.M. Kwok Former MEP & Innovation Lead - Ir Eric N.K. Tsung, Manager, Projects Swire Properties Limited
16.30	Discussion
16.45	Summing Up - Ir Mandy M.Y. Leung Symposium Chairman Electrical Division, The HKIE
Closing Address - Ir Eric S.C. Ma, JP Senior Vice President The Hong Kong Institution of Engineers	

The HKIE – Electrical Division The 41st Annual Symposium

Emerging Technologies for Sustainable Development

Thursday, 19 October 2023
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.

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

For enquiry, please contact:

Ir Y.K. Chu
 Symposium Secretary
 The 41st Electrical Division Symposium, 2023
 The Hong Kong Institution of Engineers
 Tel: 9884 2732 E-mail: hkie.eeldiv@gmail.com

Enrolment fee: **\$ 1,800 per participant**

\$ 1,700 per participant enrolled before 30 September 2023

The closing date of enrolment is 9 October 2023.

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.

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