

The HKIE – Electrical Division Symposium Electrical Engineering Towards the Era of Industry 5.0

24 October 2024



SYMPOSIUM PROGRAMME

08.30	Registration and Coffee
09.00	Welcome Address - Ir Banson K.C. Lam Chairman, Electrical Division, The HKIE
09.05	Opening Address - Ir Eric S.C. Ma, JP President The Hong Kong Institution of Engineers
09.20	Keynote Speech - Dr.- Ing. Benny Drescher Chief Technical Officer Hong Kong Industrial Artificial Intelligence & Robotics Centre Hong Kong Productivity Council
1. <u>New Initiatives in Power Systems</u>	
09.50	Enhancing Grid Resilience with Grid Visualization - Ir Mike K.W. Ng Principal Manager – Smartgrid Development - Ir Jason S.C. Au Lead Engineer – Smartgrid Development CLP Power Hong Kong Limited
10.10	Enhancing Reliability of Electricity Supply with Innovations - Mr. Ryan S. Chan, Chief Construction & Maintenance Engineer (Central) - Mr. Y.P. Pau, Construction & Maintenance Engineer I - Mr. Kevin N.H. Leung, Support Engineer II - Mr. Benny W.L. Cheung, Engineer I Hongkong Electric Co. Limited
10.30	A New Way towards Clean, Renewable and Efficient Electric Power Supply System - Ir Dick C.Y. Lee General Manager The Jardine Engineering Corporation Limited
10.50	Discussion
11.05	Coffee Break
2. <u>EV Charging and Battery Technology</u>	
11.35	Green Technology to Produce and Recycle Battery - Dr. Bill K.P. Ho Co-Founder and Chief Technical Officer GRST Holdings Ltd., Hong Kong
11:55	Specific and More Onerous Requirements for Low-voltage Assemblies in Electric Vehicle Charging Applications - Mr. Tom Mennell Technical Standards Manager Schneider Electric UK

12.15 Discussion

12.30 Lunch

3. Decarbonization

14.00	BIPV Application to Decarbonize Hong Kong - Ir Felix H.H. Chan Associate, Climate and Sustainability Group Ove Arup & Partners Hong Kong Ltd.
14.20	SiGREEN - The Carbon Footprint Eco Portfolio to Accelerate Decarbonization - Dr. Y. Tao Head China Business and Ecological Development Siemens China Limited
14.40	From Massive Electrification to Decarbonization: Harnessing Power Electronics for a Greener Planet - Ir Dr. H.L. Yiu Chief Corporate Development Officer Hong Kong Science & Technology Parks Corporation

15.00 Discussion

15.20 Coffee Break

4. AI Applications

15.50	Maximizing Value in Engineering with Gen AI-powered Digital Twin - Ir Terence L.L. Lui Founder and Chief Executive Officer Varadise Limited, Hong Kong
16.10	Integrated Centralized Platform, the Smart Railway Station Commander - Ir H.W. Chan Deputy General Manager - Operations Innovation Hub - Ms. Summer H.Y. Ng Data Analyst MTR Corporation Limited

16.30 Discussion

16.45	Summing Up - Ir Andrew K.W. Yan Symposium Chairman Electrical Division, The HKIE
-------	---

Closing Address
- Professor J. Lu
Dean
Faculty of Engineering
City University of Hong Kong

The HKIE – Electrical Division The 42nd Annual Symposium

Electrical Engineering Towards the Era of Industry 5.0

Thursday, 24 October 2024
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 42nd Electrical Division Symposium, 2024
The Hong Kong Institution of Engineers

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

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

\$ 1,700 per participant enrolled before 30 September 2024

The closing date of enrolment is 15 October 2024.

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.