



**The HKIE – Electrical Division**  
**The 39<sup>th</sup> Annual Symposium**  
**Powering the New Normals**  
**Thursday, 21st October 2021**  
**3/F, Ballroom, Sheraton Hotel**

**Registration**

Prior registration is required. Limited seats available on a first-come first-served basis. Both HKIE and non-HKIE members are welcome. **All on-site participants are required to have received the first dose of COVID-19 vaccine** (See Important Notes below).

Please register via the link <https://forms.gle/t5Ek3EaiD2Bq4enB8> and submit. Applicants will be notified if their enrolments are successful or not with e-mails. Successful applicants are required to print out the confirmation message and send it with your payment following the instruction as detailed in the confirmation e-mail. *Payment is required to confirm the enrolment.*

For enquiry, please contact:

Ir Y.K. Chu  
 Symposium Secretary  
 The 39th Electrical Division Symposium, 2021  
 The Hong Kong Institution of Engineers  
 Tel: 2867 4162 / 9884 2732 E-mail: [hkie.eeldiv@gmail.com](mailto:hkie.eeldiv@gmail.com)

Enrolment fee: **\$ 1,800 per participant**  
**\$ 1,700 per participant enrolled before 15th September 2021**

The closing date of enrolment is 12th October 2021.

**Certificate**

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

**Important Notes**

- ❖ *The COVID-19 vaccination records of all on-site participants will be checked by the Hotel staff on the Symposium holding date. Participants who failed to show the records will be refused to attend the Symposium at the venue. No refund whatsoever will be entertained for such, but a substitute delegate who meets the vaccination requirement is permitted.*
- ❖ *All on-site participants are required to follow the prevailing Government social gathering and distancing requirements and any other guidelines of the Hotel on the Symposium holding date.*
- ❖ *Depending on the development of the pandemic, and other situations, we reserve the right to change the arrangement of the Symposium to suit.*

**Enrol Now!**  
*Limited Seats available.*

**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.

**SYMPOSIUM PROGRAMME**

08.30 Registration and Coffee

09.00 Welcome Address  
 - Ir Y.H. Leung  
 Chairman, Electrical Division, The HKIE

09.05 Opening Address  
 - Ir Edwin K.F. Chung  
 President, The HKIE

09.10 Keynote Speech  
 - Ir Professor C.C. Chan  
 Past President, The HKIE  
 Academician, Chinese Academy of Engineering  
 Fellow, Royal Academy of Engineering, UK

**1. Power Supply Reliability**

09.40 High-voltage Battery Energy Storage System in Hong Kong International Airport  
 - Sr. Amen Y.K. Tong, General Manager  
 - Ir James P.M. Ng, Senior Manager  
 - Mr. Wister K.C. Yu, Manager  
 Technical Services Infrastructure Department  
 Airport Authority Hong Kong

10.00 Critical Power Supply for Healthcare  
 - Mr Markus Hirschbold  
 Future Offer Director for Mission Critical Facilities  
 EcoStruxure Power  
 Schneider Electric

10.20 Dynamic Uninterrupted Power Supply  
 - Mr Mr. Macro Nijenhuis, General Manager  
 - Mr Edwin S.L. Ng, Regional Sales Manager  
 Rolls-Royce Solutions Asia Pte. Ltd.  
 - Mr William W.C. Lee, Service Manager  
 Rolls-Royce Solutions Hong Kong Ltd.

10.40 Discussion

11.05 Break

**2. Condition Monitoring & Wiring Regulations**

11.35 Embracing the New Normal in Condition Monitoring for MV System  
 - Er Seng Kok Ang, General Manager  
 - Er Yongyi Fu, Deputy Director  
 - Mr Xingzhou Yu, Senior Principal Engineer  
 - Er Kem Wah Lo, Principal Engineer  
 - Er Dr Kai Xian Lai, Principal Engineer  
 Asset Sensing & Analytics, SP PowerGrid, Singapore

11:55 New Edition of Code of Practice: Powering New Technology and Enhancing Electrical Safety  
 - Ir K.K. Sit, Senior E&M Engineer  
 - Ir Johnson C.T. Sze, E&M Engineer  
 Electricity Legislation Division  
 Electrical & Mechanical Services Department  
 The Government of the HKSAR

12.15 Discussion

12.30 Lunch

**3. IoT & Smart Building**

14:00 Blockchain and Post-Quantum Cryptography for Smart Grid & Smart Home Cyber Security  
 - Dr Chunhui Wu, Associate professor  
 School of Internet Finance and Information Engineering  
 Guangdong University of Finance  
 - Ir Stanley K.W. Leung  
 General Manager  
 GDEPRI Power Control Systems & Equipment (HK) Ltd.

14.20 Energizing the New Normal through Digital Electrification Empowerment  
 - Mr Keith T.M. Wong, Head of Digital Business  
 Smart Infrastructure Division  
 Siemens Ltd. Hong Kong  
 - Mr C.Y. So, Business Manager  
 KEIYIP Engineering Co. Ltd., Hong Kong

14.40 Smart Building Technologies for Enhancing Operational and Energy Efficiency  
 - Ir Dave C.H. Chan  
 Chief Executive  
 Information, Communications & Building Technologies  
 ATAL Technologies Ltd.

15.00 Discussion

15.30 Break

**4. Transportation & Parking System**

16.00 Transforming Into New Ways of Rolling Stock Operation & Maintenance  
 - Ir K.H. Lee, General Manager –Rolling Stock Workshop  
 - Mr Thomas L. H. Leung, Maintenance Engineer  
 Rolling Stock Maintenance Department  
 MTR Corporation Limited

16.20 The General Requirements and Introduction of Different Types of Automatic Parking System  
 - Ir Antonio C.M. Chan  
 Deputy Managing Director  
 REC Engineering Company Limited

16.40 Discussion

16.45 Summing Up  
 - Ir W.S. Tam  
 Symposium Chairman  
 Electrical Division, The HKIE

Closing Address

- Ir Eric Y.H. Pang, JP  
 Director  
 Electrical & Mechanical Services Department  
 The Government of the HKSAR