

Innovation for Engineering Advancement

**SYMPOSIUM PROGRAMME**

08.30 Registration and Coffee

09.00 Welcome Address  
- Ir Tony K.T. Yeung  
Chairman, Electrical Division, The HKIE

09.05 Opening Address  
- Ir Ringo S.M. Yu  
President, The HKIE

09.10 Keynote Speech  
- Mr K.K. Ling  
Director  
Jockey Club Design Institute for Social Innovation  
Hong Kong Polytechnic University

**1. Smart Air Transportation**

09.40 Realizing Smart Airport Vision using Digital Twin  
- Ir Kelvin K.W. Wong  
Deputy General Manager  
Technical Services  
Airport Authority Hong Kong

10.00 Multi-illuminator Passive Radar (MIPAR) Technology  
- Dr Feng Cheng  
Deputy Professor of the Electronic Information School  
Wuhan University  
- Ir Stanley K.W. Leung  
GDEPRI Power Control Systems & Equipment (HK) Ltd.

10.20 Discussion

10.50 Coffee Break

**2. Environmentally Friendly Power Supply**

11.20 Environmentally Friendly F-gas Free and Web-enabled HV Switchgear  
- Dr. Mark Kuschel  
Chief Technology Officer  
High Voltage Gas-insulated Switchgear  
Siemens AG Germany

11.40 Review of Electric Vehicle Charging Facilities  
- Dr Lawrence C.K. Poon  
General Manager  
Automotive Platforms & Application Systems R&D Centre  
Hong Kong Productivity Council

12.00 Discussion

12.30 Lunch

14:00 *Special Talk on Innovation*  
- Mr Vivek Mahubani  
*Stand-up Comedian*

**3. Building Services Management**

14:20 Retro-commissioning of Building Services Installation  
- Ir Victor W.T. Leung  
Director  
Victor Leung & Associates

14.40 IoT Enabled Smart Building Operation and Maintenance  
- Ir C.K. Lee  
Chief Engineer/Digitalization and Technology  
Electrical & Mechanical Services Department  
The Government of the HKSAR

15:00 Discussion

15.20 Coffee Break

**4. Emerging Technological Applications**

15.50 Bringing the World into 5G Era  
- Mr Philip H.F. Yick  
Solution Director  
Huawei International Co. Limited

16.10 Dynamic Optimization of Peak Demand Charge using  
Machine Learning Algorithms  
- Ir Dave C.H. Chan  
Director  
Information, Communications & Building Technologies  
ATAL Building Services Engineering Ltd.

16.30 Discussion

16.45 Summing Up  
- Ir T.K. Chiang  
Symposium Chairman  
Electrical Division, The HKIE

Closing Address

- Ir Professor H.C. Man  
Dean  
Faculty of Engineering  
Hong Kong Polytechnic University

To: Ir Y.K. Chu  
Symposium Secretary  
The 37<sup>th</sup> Electrical Division Symposium, 2019  
The Hong Kong Institution of Engineers  
c/o 31/F, Queensway Government Offices  
66 Queensway, Hong Kong.

**Tel:** 2867 4057 / 9884 2732 **Fax:** 3757 5778 **E-mail:** hkie.eeldiv@gmail.com

**Enrolment Form**

Please enrol the following delegates on the Symposium

**The HKIE – Electrical Division  
Innovation for Engineering Advancement**

Thursday, 24<sup>th</sup> October 2019  
3/F, Ballroom, Sheraton Hotel

Names & Classes of HKIE Membership #

.....  
.....  
.....

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person Name: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Date : \_\_\_\_\_

Symposium fee: \$ 1,850 per participant  
\$ 1,750 per participant enrolled before 30<sup>th</sup> September 2019 ##

.... including proceedings, lunch and coffee. Please enrol via e-mail or fax, and payment for the Symposium is required to confirm your enrolment. Please make cheque payable to 'The HKIE - Electrical Division', and post it with the enrolment form. The closing date of enrolment is 15<sup>th</sup> October 2019. Use photocopy of this form for more participants to enrol.

# Please advise Class of HKIE membership where applicable for each participant.  
Non-HKIE members please indicate N/A  
## The early bird rate of \$1,750 per head would be applied to those who enrol before 30<sup>th</sup> September 2019

**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.