



Joint CPD Seminar on
“Holistic Solution for VVVF Drives”



Organizers : The International Association of Elevator Engineers (HK-China Branch)
: IEEE PES/IAS/PELS/IES Joint Chapters (HK)

Details

Date : **August 5, 2016 (Fri)**
Time : **18:30 ~ 20:30**
Venue : **Room ST111, The Hong Kong Polytechnic University**
Speaker : **Dr. Albert T. P. So & Dr. W. L. Chan**
Language : Cantonese supplement with English

Program Highlights

For modern VVVF drives, regenerative braking has been confirmed to be one effective way to conserve energy because it is a waste if energy has to be consumed or discarded when a period of braking is needed during normal operation. At present, resistors are commonly used to dissipate the energy produced during braking but regenerative braking can feed such energy back to the building electric grid. Moreover, power quality in terms of Voltage Dip, Total Power Factor and Total Harmonics Distortion is also a big concern. Contemporary solutions involve an additional device for each remedy. This talk aims to report a new development of one holistic solution to take care of all these concerns. Such device can also address all relevant requirements in the Building Energy Code. At the same time, it has additional advantages related to safety during electric power instability. The final product could be a small add-on unit to an existing lift installation. The speakers would like to acknowledge the main financial support of the Innovation and Technology Fund of the HKSAR Government and two companies to make this development a success.

About the Speakers

Dr Albert T. P. So, Academic Secretary of IAEE (HK-China Branch) and Executive Board Member / Scientific Advisor of IAEE

Dr. W. L. Chan, Vice Chairman of IAEE (HK-China Branch) and committee member of the IEEE Hong Kong Joint Chapter of PES/IAS/PELS/IES

Registration

Maximum no. of attendees is **270**. Seats will be reserved on a first-come-first-served basis. Please complete this reply form and fax / email to us for seat reservation **not later than 31 July 2016**. Successful applicants will be notified by email at least 2 days before commencement of the seminar.

CPD Certificate

All attendees will be issued a CPD certificate (2-hour) after the seminar.

Program Rundown

- 18:15 Registration
- 18:30 Opening remarks
- 18:35 Introduction to the common problems of VVVF drives by Dr. Albert So
- 19:10 Refreshment
- 19:25 Introduction of the holistic solution by Dr. W. L. Chan
- 20:30 End of seminar

Registration Form

Please complete this form in English **BLOCK LETTER**.

To : IAEE (HK-China Branch) - Ms Betty Lee / Mr Edmond Tsang

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Name : Mr / Ms Company Name : _____

Contact No. : _____ Email : _____ Date : _____

Please tick the appropriate box(es) below:-

- I'm **IAEE** member I'm **IEEE** member. Membership No. _____
- I'm not **IAEE** or **IEEE** member

Map of HKPolyU



Venue of seminar : Room ST111