



ASHRAE  
Hong Kong Chapter



CIBSE  
Hong Kong Branch



HKIE  
Building Services Division

**ASHRAE (HKC) / CIBSE (HKB) / HKIE (BS Div)**  
**Joint Function Technical Talk on**  
**“Design of Wind Turbines Lightning Protection”**

**Details**

Date : 18 December 2008 (Thu)  
Time : 6:30pm for 7:00pm to 8:30pm

Venue : Seminar Room, HKIE Headquarters,  
9/F Island Beverley, No. 1 Great  
George Street, Causeway Bay, HK.

**Programme Highlights**

The Hong Kong Government is committed to develop Renewable Energy, which contribute 1-2% of Hong Kong's total electricity supply by 2012. Wind turbine is ranked as first priority for the development of the China renewable energy plan. As wind turbine & wind farms are often installed in open area, where wind turbines are frequently placed at locations highly exposed to lightning strokes.

The complicated electronic & electrical control systems are exposed to the threat of lightning and its surge voltage. The guide lines of design on lightning protection for wind turbine are given in IEC standard of IEC TR 61400-24 & IEC 62305. The principles of this new standard will be introduced and some installation samples will be given. It helps engineers in handling the basic concept to design and lightning protection system for the electronic equipment and building structure of the wind turbine.

**Speaker**

**Mr. Henry Lau** is an experienced electrical engineer working in the field of over-voltage protection on low voltage system for over 10 years. He has been trained in various factories in England and Germany. He also participated in the drafting of the China Telecom Over-voltage Protection Standard. Now, he is working with Germany BET Testing Laboratory for the testing of over-voltage protection devices.

**Fee**

Free of charge, and CPD Certificate from HKIE / ASHRAE / CIBSE will be available to their members.

**Registration & Enquiry**

Please register ONLINE via the website of CIBSE Hong Kong Branch – [www.cibse.org.hk](http://www.cibse.org.hk)  
(Note: All members have to fill in the membership number for verification. The organizers reserve the right to decline their application if no membership no. is submitted.)

The maximum number of participants is 100. Applications will be accepted on a first-come-first-served basis. The deadline of application is **8 December 2008**. Successful members will be notified by e-mail or phone, and their names will be posted on the institutions' websites - [www.hkiebsd.org](http://www.hkiebsd.org), [www.ashrae.org.hk](http://www.ashrae.org.hk) and [www.cibse.org.hk](http://www.cibse.org.hk) after **12 December 2008**.

For enquiry, please contact Ir Dr Sam Hui (for ASHRAE members) at 2859 2123, Ir Dr Jacob CM Yiu (for HKIE members) at 2565 3368 and Ir C.K. Mok (for CIBSE members) at 2867 3673.