

**BSE CPD course –
Advanced Lightning and Surge Protection Design – A two-day CPD course
on 23-24 February 2011**

Organized by Professor W.K. Chow, a two-day CPD short course on *Advanced Lightning and Surge Protection Design* was delivered by Ir Professor Anthony Chi Man Sung on 23 and 24 February 2011. The course aims to provide facility managers and built environment professionals with the underlying fundamental and latest application knowledge on BS EN and IEC 62305:2006 ‘Protection against Lightning’ for the built environment in China, Hong Kong and overseas countries. 42 participants attended this course.



CPD course by Prof. Sung

Prof. Sung is Adjunct Professor of the department providing expertise on teaching and research in electrical services engineering in the Built Environment. He received a BSc degree with honours in Electrical Engineering from City University, London in 1980; an MSc degree in Modern Electronics from University of Nottingham in 1986 and a PhD in Building Engineering (Electrical Services) from UMIST in 1998. He is the Chairman of CIBSE Electrical Services Group, a Chartered Electrical Engineer (CEng), a Fellow of the Chartered Institution of Building Services Engineers (FCIBSE) and IET (FIET).



Participants



Powerpoint presentation

The well-structured course spanned over two days covering a variety of related topics. Day 1 of the course focused on Lightning Protection Systems (LPS) and day 2 on the Lightning Electromagnetic Pulse (LEMP) protection.

Professor Sung introduced on damages caused by lightning as a start, and discussed thoroughly on topics like risk management, hazards of step and touch voltages, BS7671:2011 proposed requirements, LPS/LEMP system design and protection devices selection. The underlying design knowledge and requirements on LPS and LEMP were presented. Apart from theoretical knowledge, a couple of design examples were shown. A precise concluding summary was given at the end of the course.

This short course was highly appraised by the delegates for providing a comprehensive set of fundamental knowledge and updated application information on advanced lightning and surge protection design.