DEPARTMENT OF BUILDING SERVICES ENGINEERING
屋宇設備工程學系

THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

IEC EN 62305:2006 Standard Lightning Protection Design of Buildings - A three hours CPD seminar

Enrol Now

Ir Professor Anthony Chi Man Sung

BSc(Hons), MSc, PhD, CEng, FIET, FCIBSE, MHKIE

Adjunct Professor of Department of Building Services Engineering
The Hong Kong Polytechnic University

Organised by Prof W K Chow, Head of Department of Building Services Engineering, Hong Kong Polytechnic University.

With CPD Certificate

The Seminar will be conducted in English and issued with a CPD Certificate and seminar notes.

Abstract

It is common knowledge that when Lightning and Thunder strike onto buildings, it can result in fatal injuries to people and costly damages to buildings. All over the world, Lightning is a major source of fires and electrocutions within and outside the built environment. In 2008, the widely used BS6651 'Lighting Protection systems' was superceded by BS EN 62305:2006 that is based on IEC EN 62305:2006 which adopts a risk management approach to afford protection against Lightning and surge currents. The same year in Chongqing, a primary school had suffered from a direct lightning strike resulting in the destruction of classrooms and the death and injuries of 12 students.

The CPD seminar in IEC EN 62305:2006 Standard Lightning Protection Design of Buildings aims to provide Architects, Facility Managers and Built Environment Engineering Professionals (Building Services, Civil and Structural Engineers) with the most up-to-date underlying fundamental knowledge and real world examples allowing them to work with the same terminology and understanding to apply the IEC EN 62305:2006 standard to guard against life and financial losses of the buildings. The seminar will describe the risk management calculation process, the lightning zonal classifications, the provision of external and internal lightning protection systems, the requirements of earthing and bonding of structural elements, the need to observe the minimum separation distance to avoid spark-over during a lightning strike, in particular, the seminar will explain how lightning current can indirectly enter into a building even though it was 1,000m away from the structure that was hit by a direct lightning strike.

This CPD will be most suitable for the Built Process co-ordinators and Built Environment Professionals who are engaged in the early concept and specifications design stage of a built project (buildings, bridges, large wind turbines).

About the Lecturer

Prof Tony Sung 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.

Tony is a Chartered Electrical Engineer (CEng), a Fellow of the Chartered Institution of Building Services Engineers (FCIBSE) and IET (FIET). He is Adjunct Professor to the Department of Building Services Engineering of the Hong Kong Polytechnic University providing an input into the teaching and research in electrical services engineering in the Built Environment. He is the Chairman of the CIBSE Electrical Services Group, a Board member of CIBSE and sits on the CIBSE Accreditation Board. In the past six years, he has been involved in the accreditation of many BEng(hons)/MEng and MSc degrees in Architectural Engineering/Building Services Engineering/Renewable Systems in the UK. He represents CIBSE and the Energy Institute on the BSI/IET JPEL64 (BS7671) committee and BASEC Certification Committee.

Professor Sung is one of the members of the 17th Edition IEE Wiring Regulations - BS7671 Working Group to re-draft the new Section 443 'Overvoltage Protection due to Atmospheric Influences'; he nominated Mr Mike Forsey to represent CIBSE Electrical Services Group on the BSI committee GEL81 who is responsible for drafting BS EN 62305 in the UK.

Dates and time :

Tuesday, 29 March 2011
6:30-9:30 p.m.

Venue : Room TU103, The Hong Kong Polytechnic University

Enrollment

Online enrollment : http://www.bse.polyu.edu.hk/deptNews/event/Doc/20110329-Sung.pdf

Enquiries : please contact Ms. Carol Wan at Tel : 2766 4729, e-mail : becarol@polyu.edu.hk

Registration Fee : General Participant : HK$480
BSE Alumni / Mentor : HK$360 (equivalent to 25% discount)

Please SEND cheque payable to "**The Hong Kong Polytechnic University**" to Ms. Carol Wan, Department of Building Services Engineering, The Hong Kong Polytechnic University , Hong Kong. [Ref : EN62305]

Confirmation : Upon receipt of payment, confirmation of registration will be sent by e-mail.

Programme Schedule

5:45 - 6:30 p.m. *Registration and Light Snacks*

6:30 - 9:30 p.m. *Seminar*

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