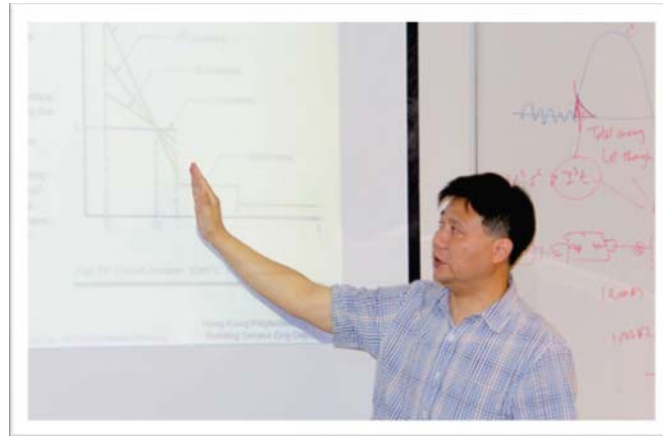


**CPD Workshop organized by BSE –
“Sustainable Electrical Services System Design”
By Ir Professor Anthony Chi Man Sung, on 7 and 8 June 2011**

A 2-days CPD workshop conducted by Ir Professor Anthony Sung, Adjunct Professor in the Department of Building Services Engineering (BSE) on *Sustainable Electrical Services System Design* was held on 7 and 8 June 2011.



Professor Sung explaining a diagram to the audience

Professor Sung is a Chartered Electrical Engineer (CEng) and a Fellow of the Chartered Institution of Building Services Engineers (FCIBSE) as well as IET (FIET). He is the Chairman CIBSE Electrical Services Group. Professor Sung is also Adjunct Professor in the department and provides valuable input into teaching and research in electrical services engineering in the built environment.



An attentive audience

The course over 2 days aimed to provide experienced practitioners with advice and software assistance in designing, upgrading and installing electrical services systems, with the ultimate objective to produce energy-efficient, environmentally-friendly and low carbon electrical services systems, contributing towards the joint global effort in controlling climate change.

Outline of Day 1 Workshop

- Overview of MV/LV Electrical Systems
- COPs, BS EN 62305, BS7671, IEC 60909
- Sustainability Requirements
- Earthing and Bonding
- Load Demand, Volt Drop, Harmonics
- Ohmic Method
- MVA Method
- Per Unit Method
- Symmetrical Component Analysis

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Outline of Day 2 Workshop

- Symmetrical Components Equations
- Lightning Protection
- Symmetrical and Asymmetrical Fault Analysis
- Protection Discriminations
- Software Applications
- Design Case studies

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Outline of the 2-day course

The workshop provided in-depth advice and practical help to practitioners on the latest global standards for environmentally-friendly electrical services installations.