

A CPD Program for practicing as Registered Energy Assessors under the Buildings Energy Efficiency Ordinance (Cap. 610) on 19 & 26 July, and 02, 09 & 16 August 2012

With a view to enriching professional engineers' knowledge relevant to practicing as a Registered Energy Assessor under the Buildings Energy Efficiency Ordinance (Cap. 610), the Department of Building Services Engineering (BSE) of The Hong Kong Polytechnic University (PolyU) held a CPD Program consisting of 10 modules covering the following topics in consecutive five weeks from 19 July to 16 August.

10 Programme modules:

- Module 1: Regulatory requirements and the duties and responsibilities of a REA
- Module 2: Energy efficiency requirements for air conditioning installations
- Module 3: Energy efficiency requirements for lighting installations
- Module 4: Energy efficiency requirements for electrical installations
- Module 5: Energy efficiency requirements for lift and escalator installations
- Module 6: Building energy audit requirements and practices
- Module 7: Building energy simulation I
- Module 8: Building energy simulation II
- Module 9: Performance-based approach for assessment of building energy efficiency
- Module 10: Financial appraisal of energy efficient systems

A team of academic staff from BSE, including Professor Francis YIK, Professor K.T. CHAN, Dr. Joseph LAI, Dr. T.M. CHUNG, Dr. Patrick Y. DU and Dr. W.L. LEE, was responsible for the CPD Program. Professional engineers intended to assume their statutory duties and responsibilities under Cap. 610 participated in the Program.

10 Modules Speakers:



Module 1 – Dr. Joseph Lai



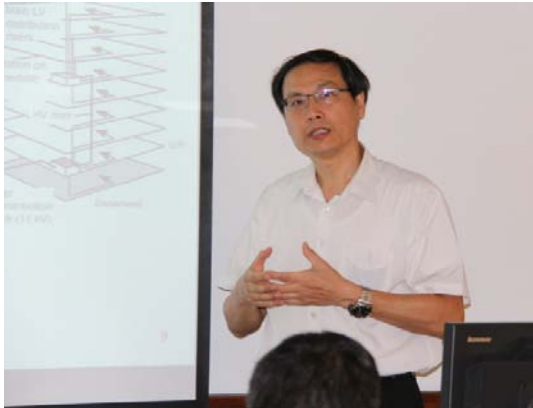
Module 2 - Prof. K.T. Chan



Module 3 – Dr. T. M. Chung



Module 9 – Dr. W.L. Lee



Module 4 & 5 – Dr. Patrick Y Du



Module 6, 7, 8 and 10 - Prof. Francis Yik

The major function of the recently enacted Cap. 610 is to enforce compliance with codes of practice promulgated by the Electrical and Mechanical Services Department concerning the energy efficiency of air-conditioning, electrical, lift & escalator, and lighting installations, and energy audits, in respect of buildings.

The CPD programme is intended to enable the participants to:

- be familiarized with the regulatory requirements concerned, including the administrative and technical performance requirements and the statutory duties and responsibilities of a REA;
- be knowledgeable about the scope and methods of assessment required for evaluation of the energy performance of building services installations, and for demonstration of compliance with the relevant requirements as stipulated in the building energy code (BEC);
- acquire knowledge, skills and hands-on experience in building energy simulation, which are required for demonstration of compliance of a new building design through the performance-based approach as defined in the BEC; and
- be knowledgeable about the scope and methods of assessment required for conducting an energy audit; and financial appraisal methods for evaluation and comparison of the cost-effectiveness of energy management opportunities.

Participants in 10 Modules:

