

## Joint Technical Seminar

### Life cycle assessment of green buildings

**Date and Time:** 30 December 2013 (Mon), 7:00pm to 8:30pm (registration start at 6:40pm)

**Venue:** CPD2.16, 2/F, Centennial Campus, The University of Hong Kong

#### **Abstract:**

Life cycle assessment (LCA) is a scientific method for evaluating the environmental impacts of discrete systems and materials over their entire life cycle -- from extraction or harvest of raw materials through manufacturing, transportation, installation, use, maintenance and disposal or recycling. When integrated into green building rating systems, building codes and standards, LCA can encourage design professionals to compare different building designs based on their environmental impacts and make informed choices about the systems and materials they use. In the past, LCA has been perceived as too complex and time consuming for regular use, but it is getting easier with new tools and better understanding nowadays.



This seminar will describe the basic concepts and approach of LCA when applied to evaluating green buildings and sustainable building technologies. The current trends of LCA being introduced to green building rating systems are explained. The benefits and limitations of the LCA approach are discussed.

#### **Speaker:**



**Dr. Sam C. M. Hui**

Department of Mechanical Engineering  
The University of Hong Kong

<http://me.hku.hk/bse>

Dr. Hui is a Lecturer of the Department of Mechanical Engineering, The University of Hong Kong. He has a strong technical background in the study of energy efficiency in buildings and is active in promoting sustainable building technology. He has acted as a Technical Expert in building energy code and green building assessment projects in Hong Kong, Mainland China and Thailand. He was the President of the ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) Hong Kong Chapter in 2006-2007. He was elected as a Distinguished Lecturer of ASHRAE U.S. Headquarters for 2009-2011.

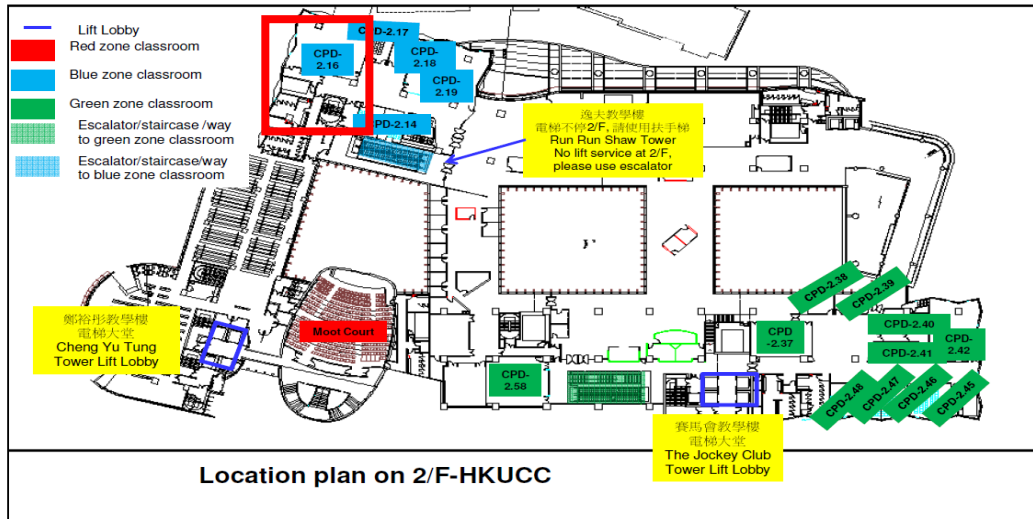
**Instruction Media:** English

**Fee:** Free of charge for members of Organizers  
(1.5 hour CPD certificate will be provided.)

**Application:**

This is a joint activity organised by ASHRAE-HKC, CIBSE-HKB and HKIE-BSD. Registration is opened to all members of the organising institutions. Please complete and return the application form by e-mail before **23 Dec 2013 (Mon)**. Number of participants is limited to 80. Places will be allocated on a first-come-first-served basis and will be distributed evenly among the three institutions. Successful applicants will be informed individually by e-mail on or before 27 Dec 2013 (Fri).

**Centennial Campus of The University of Hong Kong**  
香港大學百周年校園



**Application Form**

**Joint Technical Seminar: Life cycle assessment of green buildings**

Name (Dr./Ir/Mr./Mrs./Ms.) : (Surname) \_\_\_\_\_ (Given Name) \_\_\_\_\_

Membership : Organization \_\_\_\_\_ Membership No. \_\_\_\_\_

Company : \_\_\_\_\_

Contact Tel. No. : (Mobile) \_\_\_\_\_ (Office) \_\_\_\_\_

E-mail Address : \_\_\_\_\_

Enquiry: Please contact Mr. Peter Lam at 92196323 (ASHRAE – HKC), Ir. KT Cheuk at 92092155 (HKIE-BSD) or Ir. Stanley CHOW at 91339259 (CIBSE HK Branch). Email enquiries can be sent to <seminar\_30\_dec\_2013@yahoo.com.hk>.

Registration: Please send the filled application form before **23 Dec 2013**. The applicant may email the above information to <seminar\_30\_dec\_2013@yahoo.com.hk> for place reservation. Successful applicants will be notified by email on or before 27 Dec 2013.