

## COMPREHENSIVE CERTIFICATE COURSE FOR BEAM PLUS ON INDOOR ENVIRONMENTAL QUALITY (IEQ) 2015

Jointly organized by

**ASHRAE Hong Kong Chapter (ASHRAE-HKC)**

**BEAM Society Limited (BSL)**

**Business Environment Council Institute of Environmental Education (BEC IEE)**

**Building Services Operation and Maintenance Executives Society (BSOMES)**

### Course Description

BEAM Plus is a comprehensive environmental assessment scheme for buildings of Hong Kong. As one of the BEAM Plus performance categories, Indoor Environmental Quality (IEQ) covers those aspects that impact on the health, comfort or well-being of the occupants, and improve quality and functionality. This intensive training course provides fundamental concepts, practical information on industrial applications, requirements in BEAM Plus and valuable experience sharing. This course is designed for architects, engineers, consultants, contractors, interior designers, building managers, other professionals and practitioners who are interested in green and sustainable building. All speakers are experienced and professional, the participants will acquire essential knowledge on IEQ.

This is also a Mandatory CPD course for BEAM Pro and BEAM Affiliate to enrich their knowledge in BEAM Plus submission requirements, tips and tricks.

**BEAM Pro / Affiliate Mandatory CPD**  
綠建專才 / 通才持續專業發展 (強制性)

**2.5 Mandatory CPD hours for BEAM Pro / BEAM Affiliate per each session**

### Date, Time & Venue

Date : 3 to 24 August 2015 (Every Monday and Wednesday, please refer to timetable)  
Time : 7:00 pm to 9:30 pm  
Venue : BEC Auditorium, G/F, 77 Tat Chee Avenue, Kowloon Tong, Hong Kong

### Language

Cantonese with English Terminology

### Fee

	Member of Organisers / BEAM Pro / BEAM Affiliate	Member of Supporting organisations	Others
Per session of any topic	\$500	\$625	\$750
Full course of 7 sessions	\$2,800	\$3,500	\$4,200

**Certificate** : e-CPD Certificate will be issued for each session. A Comprehensive e-CPD Certificate endorsed by all Organisers will be issued to the participant who has registered for the Full Course and attended 6 sessions or above.

**Registration** : Registration will be on a first-come-first-served basis (priority will be given to member of Organisers and Supporting organisations) via Business Environment Council Institute of Environmental Education (BEC IEE). Please complete the [application form](#) and send to BEC IEE by Email ([beciee@bec.org.hk](mailto:beciee@bec.org.hk)) or Fax at 2784-6699.

**Enquiry** : Please contact Dr Veronica Chan (BEC IEE) by Email: [beciee@bec.org.hk](mailto:beciee@bec.org.hk) or Tel: 2784-3937.

Session (Date & Time)	Key Topics	Brief Content*	Speaker*
<b>Session 1</b> 3 Aug 2015 (Mon) (7:00 to 9:30 pm)	Indoor Air Quality (IAQ)	<ul style="list-style-type: none"> <li>- IAQ certification scheme for offices and public places – current situation and review</li> <li>- Implementation of ASHRAE Standard 62.1 for ventilation design to achieve acceptable IAQ</li> </ul>	Ms Emily Cheng (EPD)  2 <sup>nd</sup> Speaker (TBC)
<b>Session 2</b> 5 Aug 2015 (Wed) (7:00 to 9:30 pm)	Ventilation	<ul style="list-style-type: none"> <li>- Reviewing statutory requirement on ventilation systems</li> <li>- CFD modeling for evaluation of ventilation performance</li> <li>- Techniques for ventilation measurements</li> </ul>	Dr Emma Leung (PlanD)
<b>Session 3</b> 10 Aug 2015 (Mon) (7:00 to 9:30 pm)	Thermal Comfort	<ul style="list-style-type: none"> <li>- Application of ASHRAE Standard 55 on analysis on thermal environmental conditions for human occupancy</li> <li>- Simulation model for thermal analysis</li> </ul>	Dr John Lin (CityU)
<b>Session 4</b> 12 Aug 2015 (Wed) (7:00 to 9:30 pm)	Lighting Quality	<ul style="list-style-type: none"> <li>- Lighting performance on interior lighting design</li> <li>- Highlights of CIBSE Standard</li> <li>- Evaluation of daylight factor</li> </ul>	Prof TM Chung (PolyU)  Dr Roger Ng (PolyU)
<b>Session 5</b> 17 Aug 2015 (Mon) (7:00 to 9:30 pm)	Acoustics & Noise	<ul style="list-style-type: none"> <li>- Fundamentals of acoustics &amp; noise control techniques</li> <li>- Practical assessment on vibration analysis</li> </ul>	Ir CF Leung (BEC)  Prof SK Tang (PolyU)
<b>Session 6</b> 19 Aug 2015 (Wed) (7:00 to 9:30 pm)	Hygiene Security & Building Amenities	<ul style="list-style-type: none"> <li>- Good practices on operation and maintenance (O&amp;M) of air conditioning and water systems to reduce the risk of biological contamination</li> <li>- Effective way to reduce the potential for contamination of plumbing and drainage systems and waste disposal facilities</li> <li>- Detailed description on requirement of security measures and facilities</li> <li>- Building amenities to enhance the building performance</li> </ul>	Benny Au (Swire Properties)
<b>Session 7</b> 24 Aug 2015 (Mon) (7:00 to 9:30 pm)	BEAM Plus Project Sharing on IEQ	<ul style="list-style-type: none"> <li>- Recapping IEQ credits under BEAM Plus New &amp; Existing Buildings v1.2 and BEAM Interiors v1.0</li> <li>- Case sharing on BEAM Plus submission on IEQ</li> </ul>	Ir CF Leung (BEC)

\* Remarks: The content and speakers are subject to change without notification.

### Supporting Organisations

