

## COMPREHENSIVE CERTIFICATE COURSE FOR BEAM PLUS ON ENERGY USE (EU) 2016

*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, assessments of Energy Use (EU) in a building contain variety of uses, energy sources and building services systems or equipment, which are complex processes given the number of influencing variables. By comparing with the benchmarks derived from audits of similar type of buildings, and/or a computational approach, the energy uses, in addition to features known to have impact on overall performance will be determined.

This course is designed for building and facility management professionals, project managers, engineers, the other professionals and practitioners who are interested in green building projects. All speakers are experienced and professional, the participants will acquire essential knowledge on EU.

**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

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.

### Date, Time & Venue

Date : 14 to 30 November 2016 (Every Monday and Wednesday, please refer to timetable)  
Time : 7:00 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 6 sessions	\$2,400	\$3,000	\$3,600

**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 5 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> 14 Nov 2016 (Mon) (7:00 to 9:30 pm)	Regulations and Guidelines	<ul style="list-style-type: none"> <li>- Update of Buildings Energy Efficiency Ordinance (Cap 610): Building Energy Code 2015 Edition Energy Audit Code 2015 Edition</li> <li>- Implementation of ASHRAE Standard 90.1/189.1 for achieving minimum energy-efficient requirements for commercial buildings</li> </ul>	<p>Ir Patrick So (EMSD)</p> <p>Ir Dr. Sam Hui (ASHRAE)</p>
<b>Session 2</b> 16 Nov 2016 (Wed) (7:00 to 9:30 pm)	Energy Simulation & Modelling	<ul style="list-style-type: none"> <li>- Methodology and data analysis of building energy simulation</li> <li>- Advanced energy modeling</li> </ul>	Mr. Antony Ho (ARUP)
<b>Session 3</b> 21 Nov 2016 (Mon) (7:00 to 9:30 pm)	Passive Design and Embodied Energy in Building Structural Elements	<ul style="list-style-type: none"> <li>- Highlights of Practice Notes: APP-130: Lighting and Ventilation requirements – Performance-based Approach APP-152: Sustainable Building Design Guideline</li> <li>- Applications of Overall Thermal Transfer Value (OTTV) and Residential Thermal Transfer Value (RTTV) in buildings</li> <li>- Cases sharing on passive design for energy reduction and energy efficient building layout</li> <li>- Evaluation of Life Cycle Assessment (LCA) of building elements with ISO 14040 and ASTM E1991</li> </ul>	<p>Mr. MK Leung (Ronald Lu &amp; Partners)</p> <p>Ms. Gigi Kam (ARUP)</p>
<b>Session 4</b> 23 Nov 2016 (Wed) (7:00 to 9:30 pm)	Energy Benchmarking and Commissioning	<ul style="list-style-type: none"> <li>- Retro-commissioning and on-going commissioning</li> <li>- Implementation of energy benchmarking tools:- EMSD Benchmarking Tool HKGBC Benchmarking &amp; Energy Saving Tool - Office Buildings (HK BESTOF)</li> </ul>	<p>Ir Kenneth Li (EMSD)</p> <p>Dr. Benny Chow (HKGBC)</p>
<b>Session 5</b> 28 Nov 2016 (Mon) (7:00 to 9:30 pm)	Energy Analysis and Management	<ul style="list-style-type: none"> <li>- Key elements of energy and carbon audits</li> <li>- Implementation of energy management policy and plan</li> <li>- Case studies in energy efficient system and savings</li> </ul>	Dr. Paul Sat (HKGBC)
<b>Session 6</b> 30 Nov 2016 (Wed) (7:00 to 9:30 pm)	BEAM Plus Project Sharing on EU	<ul style="list-style-type: none"> <li>- Recapping EU credits under BEAM Plus New Buildings v1.2, Existing Buildings v2.0 and BEAM Interiors v1.0</li> <li>- Case sharing on BEAM Plus submission on EU</li> </ul>	Ir Colin Chung (EU Panel Chair)

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

### Supporting Organisations

