



Technical Seminar on ASHRAE 90.1 Energy Standard & Engagement in Energy Performance (83114)

*Significant increase of the building energy efficiency could be achieved by implementing advanced building technologies. Good energy-efficient building designs are also very important. ASHRAE Standard 90.1 has been a benchmark for commercial building energy codes and standards around the world for more than 35 years. It provides the minimum energy-efficient requirements for both new and existing buildings as well as the corresponding compliance requirements. The latest version of Standard, 2013, contains dramatic changes that all certifying professionals should know. This 3-hour-long course, co-organised with **ASHRAE Hong Kong Chapter**, introduces the advanced energy-efficient building technologies, addresses the opportunities and challenges in meeting new energy codes and many 'beyond code' programs such as LEED, Green Globes and other green building programs, and highlights the latest changes of ASHRAE Standard 90.1:2013.*

Topics To Be Covered

- **Session 1: Why Buildings Matter and the Role of ASHRAE 90.1 (Commercial Buildings)**
 - Highlights of new features and requirements of Standard 90.1:2013 such as revised building envelope provisions
 - Connections between buildings and their energy use and other social and environmental objectives
 - Such as peak power, water consumption, carbon emissions and other connected issues
- **Session 2: ASHRAE Engagement in the Energy Performance of Residential Buildings**
 - Advanced building technologies for energy efficiency in both new and existing residential buildings
 - Such new lighting, fenestration and glazing technologies, insulation innovations, air sealing and advanced HVAC systems and new diagnostic tools
 - Challenges in meeting the new energy codes and 'beyond code' programs

Learning Outcomes

- Acquire the essential knowledge on the energy efficiency in residential and commercial buildings; and
- Update the knowledge and understanding of Standard 90.1:2013 and its role in delivering better buildings.

Who Should Attend

- This course is designed for those seeking to learn about and work on energy efficiency and designs in building projects, particularly those engineers, project managers and any individuals who wish to have a better understanding of Standard 90.1 in general.

Speaker

- **Mr R. Christopher Mathis**, President of MC² – Mathis Consulting Company, Asheville, NC
Mr Mathis has spent the past 30 years focusing on how buildings and building products perform – from energy efficiency to code compliance to sustainability and long-term performance durability. He is an active participant in Standards and Code development at ASHRAE, NFRC, ASTM and the ICC, as well as other non-profit organisations. He is a 30-year member of ASHRAE and he served 10 years on Standard 90.1 development committee and remains an active participant in its development. He has also been a member and active participant in Standard 90.1 and 90.2, energy consultant of Standard 189.1 and the Chapter Technology Transfer Committee. He has been recognized as an ASHRAE Distinguished Lecturer, conducting seminars on a variety of building science, energy efficiency and sustainability topics across the US and worldwide. He is a 30-year member of ASTM, he currently chairs E06.51.11 and the Built Environment Advisory Committee at ASTM, as well as a member of committee C16. He has published numerous technical papers at ASHRAE and guidebooks, and presented his work at a variety of national and international conferences.



Date, Time & Venue

- 3 hours – 26 August 2015 (Wednesday) 14:30 – 17:30.
- Venue – BEC Auditorium, 77 Tat Chee Avenue, Kowloon Tong, Hong Kong (close to Kowloon Tong MTR Station Exit C1).

Medium of Instruction

- English.

Course Fee

- HK\$500 (Subject to a maximum discount of 40%)*
 - * BEC or ASHRAE Membership Discount – 40% (i.e. \$300 for members of BEC or ASHRAE HK Chapter).
 - Supporting Organisation Membership Discount – 20% (i.e. \$400 for members of supporting organizations).

Certification

- A Certificate of Attendance is awarded to each attendee.

Application Deadline

- Enrolment deadline is 5 working days before the seminar commencement date. Late enrolment will be accommodated subject to seat availability.

Application Form

- Click [here](#) to download the Application Form.

Terms & Conditions

- Duly completed application form accompanied by payment will be considered for admission;
- Seminar fee is non-refundable, non-transferable and should be received by BEC IEE no later than 5 working days before the commencement of the seminar;
- Admission is made on a first-come-first-served basis;
- Successful applicants will be notified no later than 3 working days before the commencement of the seminar;
- Unsuccessful applicants will be given refund of seminar fees if they have already paid;
- The seminar will be cancelled with full refund when the typhoon signal no.8 or above, or black storm warning is hoisted 3 hours before the seminar commences;
- An official e-receipt will be distributed through email to the participant upon the completion of the seminar;
- BEC reserves the right not to conduct the seminar if the applications are below the required minimum number of participants, and seminar fees received will be refunded. All decisions made by BEC on matters related to the seminars are final;
- Personal data including contact information will be used by BEC for its communications and direct marketing purpose, including newsletters and promotions of events, training seminars and other activities. If you do not wish to receive any further promotional materials from BEC, please send an email to us at unsubscribe@bec.org.hk; and
- Information provided will be kept strictly confidential and will not be sold, reused, rented, loaned, or otherwise disclosed to third party.

About Business Environment Council Limited 商界環保協會有限公司 (“BEC”)

Business Environment Council Limited 商界環保協會有限公司 (“BEC”) is an independent, charitable membership organisation, established by the business sector in Hong Kong. Since its establishment in 1992, BEC has been at the forefront of promoting environmental excellence by advocating the uptake of clean technologies and practices which reduce waste, conserve resources, prevent pollution and improve corporate environmental and social responsibility. BEC offers sustainable solutions and professional services covering advisory, research, assessment, training and award programs for government, business and the community, thus enabling environmental protection and contributing to the transition to a low carbon economy.

For more information in BEC, please visit www.bec.org.hk.

About BEC Institute of Environmental Education (“BEC IEE”)

BEC IEE, a division of BEC, provides a platform for business managers and decision makers, to advance their knowledge and develop the expertise necessary for environmental decision-making. BEC IEE also facilitates professional development by promoting quality environmental education through various environmental education programmes.

For further enquiries or assistance, please contact BEC IEE at beciee@bec.org.hk.

Co-organiser



Supporting Organisations



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