



Innovative Indoor Environmental Quality (IEQ) Monitoring – Mobile IEQ Calculator (83107)

Assessment of indoor environmental quality (IEQ) is very important in order to ensure a safe, healthy and acceptably comfortable indoor environment. Traditionally, the IEQ assessment required a pool of technical professionals by using technical equipment and a series of complex numerical equations. Recently, an innovative mobile application of a user-friendly five-star IEQ benchmarking calculator on iOS and Android system platforms has been developed. It integrates the findings from over ten years of IEQ research with Hong Kong and US IEQ standards into a system that scores the level of IEQ satisfaction. By inputting some basic information such as indoor temperature, number of occupants and whether windows are open or closed, the user will have a preliminary idea of IEQ of their building premises and benchmark with the similar types of environments. This 2.5-hour-long course presents the design, development and application of the innovative IEQ calculator.

Topics To Be Covered

- Basic concepts of indoor environmental quality (IEQ)
- Overview of IEQ in Hong Kong
- Design and development of IEQ benchmarking calculator
 - IEQ Database
 - Five-star IEQ benchmarking calculator
- Application of the IEQ benchmarking calculator
 - Commercial building
 - Residential building
 - School
- Further application and case studies

Learning Outcomes

- Understand the fundamental concepts of IEQ and assessment of IEQ in Hong Kong;
- Acquire essential knowledge for improving IEQ; and
- Understand the application of IEQ benchmarking calculator.

Who Should Attend

- This course is designed for those who are responsible and concerned for maintaining good IEQ, such as engineers, contractors, property and facility managers and administrators, building professionals, educational and health care professionals.

Tutor

- **Dr K W Mui**, Associate Professor, Department of Building Services Engineering, The Hong Kong Polytechnic University
Dr Mui has published over 100 referred journal papers on indoor air quality and IEQ assessment, performance of the new demand control ventilation system, drainage systems of domestic high-rise buildings, water consumption, performance of deodorizer systems, adaptive comfort temperature model for air-conditioned buildings and certain advanced areas of building environmental performance. Besides, two of his papers has recently been recognised amongst the most cited articles published in Elsevier's Building and Environment between 2005 and 2008. He also gained 2 IEQ-related patents. He is a founding member and the past Co-chairman of the Technical Working Group (TWG) of ASHRAE – HK Chapter.



Date, Time & Venue

- 2.5 hours – 4 December 2015 (Friday), 15:00 – 17:30.
- Venue – Business Environment Council Limited 商界環保協會有限公司, 77 Tat Chee Avenue, Kowloon Tong, Hong Kong (close to Kowloon Tong MTR Station Exit C1).

Medium of Instruction

- Cantonese with supplemented with English.

Course Fee

- HK\$500 (Subject to a maximum discount of 20%)*
 - * Early Bird Discount – 5% if you register 3 weeks before the commencement of course.
 - Group Discount – 5% for 2 or more applicants from the same organisation enrolled for the same course.
 - BEC Membership Discount – Council Member: 10%; Corporate or General or Affiliate Member: 5%.

Certification

- A Certificate of Attendance is awarded to each attendee who successfully completes the course (100% attendance is required).

Application Deadline

- Enrolment deadline is 5 working days before the course 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;
- Course fee is non-refundable, non-transferable and should be received by BEC IEE no later than 5 working days before the commencement of the course;
- 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 course;
- Unsuccessful applicants will be given refund of course fees if they have already paid;
- The course will be cancelled with full refund when the typhoon signal no.8 or above, or black storm warning is hoisted 3 hours before the course commences;
- An official e-receipt will be distributed through email to the participant upon the completion of the course;
- BEC reserves the right not to conduct the course if the applications are below the required minimum number of participants, and course fees received will be refunded. All decisions made by BEC on matters related to the courses 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 courses 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

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