

**Organized by:**



**Supporting organizations:**



**Title: Indoor Environmental Quality and High Performance Building  
(with CPD certificates)**

**Speakers:** Prof Yuguo Li; Dr John Z Lin; Dr Horace K W Mui; Mr Brian Monk

**Date:** From 10 Jan 2012 to 8 Feb 2012 (4 evening sessions)

**Time:** 6:15pm for 6:30pm - 9:30pm (for each session)

**Venue:** The Hong Kong Polytechnic University (exact room to be confirmed)

**Programme Highlight:**

Indoor building environmental or air quality is one of the most important design considerations for building professionals. Researches prove that good indoor building environment can contribute to better health and productivity of occupants. This workshop consists of four technical sessions. Each session will focus on one particular topic on indoor environmental or air quality control and management. After completion of the workshops, you will also gain an understanding of ventilation strategies for controlling indoor infectious disease in hospitals and environmental tobacco smoke controls in casino. In addition to local experts, we have invite our ASHRAE Distinguish Lecture Mr Brian Monk from Canada to chair one of the session and share with us latest technologies in indoor air control.

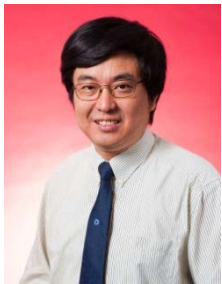
## Biography:



### **Prof Yuguo Li**

Yuguo Li is a Professor and Head of Department of Mechanical Engineering, the University of Hong Kong. He received the State Scientific and Technological Progress Award (SSTPA) (Second Prize) in 2010, HKU Outstanding Young Researcher Award in 2003, two Best Paper Awards of Indoor Air Journal (2005-2007) in 2008 and (2008-2010) in 2011. He was elected an ASHRAE Fellow in 2007, ISIAQ Fellow in 2008 and HKIE Fellow in 2011.

His research interests are at the interface of atmospheric environment and energy efficiency with a focus on ventilation (environment aerodynamics). His current research topics include city ventilation, urban heat island, ventilation control of infection, city and building energy efficiency, and natural ventilation. He contributed to new theory and technologies of natural ventilation and hospital ventilation. His work led to the findings of the roles played by airflow and ventilation in the 2003 Amoy Gardens SARS outbreak. He carried out research on hospital ventilation in preparation for the influenza pandemic for Hospital Authority and WHO.



### **Dr John Z Lin**

Dr Lin received his B.Eng. from Tsinghua University in 1983 and Ph.D from Massey university in 1995. He was working as a consulting engineer for 7 years. He is currently an Assistant Professor with City University of Hong Kong. He has been developing low energy air distribution systems for buildings as well as CFD and thermal comfort analysis for this application.

This technology may use cold media of low exergy and therefore potentially could mitigate the anthropogenic heat produced by building energy consumption. He also developed semi-analytical formulae of transient heat transfer for irregularly-shaped and porous solids in fluids, which was adopted in Chapter 9, ASHRAE Handbook 1998, 2002, 2006 and 2010 editions. He has published more than 150 articles including 72 SCI journal papers.



### **Dr Horace K W Mui**

Dr. Mui is the Associate Professor in the Department of Building Services Engineering of The Hong Kong Polytechnic University. Currently, he is an honourable international advisor for Hong Kong Indoor Air Quality Society, founding member and the co-chairman of the Technical Working Group (TWG) of ASHRAE HK Chapter. With his past experience, he is invited as a group member to work in the working group WG6 on perceived air quality.

In the past few years, major works of him, including more than 100 referred journal papers on indoor air quality (IAQ) 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, have been published. His extensive research experiences have led him to a number of high-level consultancy projects. He also offered community services to organizations serving the underprivileged.



**Mr Brian Monk, P.Eng**

Mr Monk is Director, Sales / Marketing, at Carrier Corporation, Montreal, Canada, for RACAN Custom Air Handling Division. He has been a member of ASHRAE since 1988, and as Director of Engineering for Circul-Aire, had spent 10 years in the application and design of air filtration and energy recovery systems, in the industrial and commercial HVAC market. Mr. Monk is a Registered Professional Engineer with the Province of Quebec, Canada, and the Association of Professional Engineers and Geoscientists of British Columbia, Canada. Affiliations include AEE (Association of Energy Engineers), ASME (American Society of Mechanical Engineers), AWWA (American Water Works Association), and AQME (Quebec Association for Energy Conservation).

Mr. Monk is an ASHRAE Distinguished Lecturer and Part-Time Professor at Concordia University, Montreal, Canada, in the Faculty of Building, Civil and Environmental Engineering.

**Language: English**

**Tentative Schedule:**

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Sessions	Speaker	Topic
10 Jan 2012	Dr Horace Mui	Update on Indoor Air Quality Parameters and Sampling
18 Jan 2012	Prof Yuguo Li	Indoor Infectious Disease Control and Ventilation
1 Feb 2012	Dr John Lin	Thermal Comfort and Room Air Distribution
8 Feb 2012	Mr Brian Monk	Controlling Environmental Tobacco Smoke

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**Registration & Enquiry:**

ASHRAE Members / PolyU Staff / Full-time Students: HK\$ 1,600

Supporting organizations: HK\$ 2,000

Other non-members: HK\$ 2,400

For non-ASHRAE member, please send your application and cheque to “Dr. SL Wong – Department of Civil and Architectural Engineering, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Hong Kong” for formal registration. Cheque shall be payable to “ASHRAE Hong Kong Chapter”.

Open to ASHRAE members, HVAC Engineers or other professions interested in this topic etc. Please complete and return the below application form by e-mail before **6 January 2012**. Seats are limited. Quota will be allocated on first-come-first-served basis. Un-successful applicants will be informed individually by e-mail. Applicants who do not receive a reply before **9 January 2012** may assume their application successful.

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**Application Form – Indoor Environmental Quality and High Performance Building (\*Cross if not appropriate)**

Name (Dr/Mr/Ms) : \_\_\_\_\_

Membership Class : \_\_\_\_\_ No.: \_\_\_\_\_ (\*ASHRAE/HKIE/CIBSE/Others)

Fees : \*HK\$ 1,600 / HK\$ 2,000 / HK\$ 2,400 (receipt is available upon request)

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

Contact No. : \_\_\_\_\_

E-mail Address : (Must be provided) \_\_\_\_\_

**For any inquiries, please contact: Dr. S L Wong at 9301 1077 or Mr Patrick Huang at 6077 2053**

***Please e-mail this form to: [chapterprogram@gmail.com](mailto:chapterprogram@gmail.com)***