



ASHRAE Hong Kong Chapter

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美國供暖製冷及空調工程師學會 香港分會

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ASHRAE Distinguished Lecture and Open Forum



INDOOR ENVIRONMENT AND ENERGY PERFORMANCE on International Standards and a New European Directive

by Professor Bjarne W. Olesen

Director, International Centre for Indoor Environment and Energy

Technical University of Denmark, ASHRAE Distinguished Lecturer

*Jointly Organized by ASHRAE Hong Kong Chapter and
Research Center for Building Environmental Engineering/BSE, the Hong Kong Polytechnic University
and supported by CIBSE Hong Kong Branch, HKIE (Building Services Division) and ACRA*

Just imagine what will happen to us if all new buildings in Hong Kong must have an energy declaration based on the calculated energy performance of the building, including heating, ventilating, cooling and lighting systems. On his second visit to Hong Kong, Professor Olesen will lead us into the challenging world of indoor environment and the new European Directive on energy performance of buildings in this lecture. You will also have an opportunity to join an Open Forum.

Date	: 16 March 2006 (Thursday)
Venue	: Lecture Theatre TU107, The Hong Kong Polytechnic University, Hung Hom, Kowloon
Time	: 6:00pm for 6:30 p.m. - 8:30 p.m.
Fee	: HK\$50 for ASHRAE / ACRA / CIBSE / HKIE members HK\$100 for non-members Free for all undergraduate students

Programme Highlight :

The European Organisation for Standardization (CEN) is now preparing a series of standards to cover the requirements for the indoor environment, energy performance calculations for buildings and systems, ways of expressing energy performance, inspection of heating-cooling-ventilation systems and conversion to primary energy. From 2006 all new European buildings must have an energy declaration based on the calculated energy performance of the building, including heating, ventilating, cooling and lighting systems. This presentation will focus on the development of standards at ISO, CEN and ASHRAE for the indoor environment, as well as the European Energy Performance of Buildings Directive (EPBD) and its related standardisation. We also discuss how people adapt to accept higher indoor temperatures during summer in naturally ventilated (free running) buildings. Several relevant standards have been developed mainly by experts from Europe, North America and Japan, thus guaranteeing a worldwide basis.

About the Speaker :

Professor Bjarne W. Olesen is the Director of the International Centre for Indoor Environment and Energy at the Technical University of Denmark. He was awarded the ASHRAE's Ralph G. Nevins Award in 1982, the Distinguished Service Award in 1997 and became an ASHRAE Fellow in 2001. Prof. Olesen received ANSI's Meritorious Award in 1997 and was in 2001 awarded membership of the International Faculty at the Technical University of Denmark. His research covers thermal comfort, indoor air quality and ventilation. Experience comprises research on the influence of the indoor environment on humans, establishment of design guidelines for HVAC engineers, development of instrumentation for the measurement of thermal parameters, IAQ and tracer gas monitoring as well as field measurements and consulting within these topics.

Open Discussion Forum : After the lecture, let's discuss with Prof. Olesen about thermal comfort design standards in the era of increasing high oil price and increasing needs for reducing energy consumption in buildings. Should the designers follow the well-established thermal comfort standards or simply increase the design temperature to 25.5°C? Representatives from both professional and academic institutions will join Prof. Olesen in the discussion panel. Voice your views.

CPD Certificate :

Certificate of Attendance will be issued to each participant after the lecture.



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Registration & Enquiry :

Interested persons shall fill in the registration form and return to us at fax 3019 8334, or alternatively apply via email: apply@ashrae.org.hk or mail to P.O. Box 35612, King's Road Post Office, North Point, Hong Kong, with personal details shown on the registration form. *Participants shall pay their fee at the Registration Counter in cash.*

The seat number is limited to **160**. Applications will be accepted on a first-come-first served basis. The deadline of application is **10 March 2006**. Applicants will receive a confirmation email on or before **10 March 2006**. For enquiry, please contact [Mr. CS Wong](mailto:Mr_CS_Wong@ifc.com.hk) at cswong@ifc.com.hk

----- Reply Slip -----

ASHRAE Distinguished Lecture – INDOOR ENVIRONMENT AND ENERGY PERFORMANCE (16 March 2005)

To: ASHRAE Hong Kong Chapter
By Fax: 3019 8334 or By email: apply@ashrae.org.hk

I wish to attend the above lecture and open forum on 16 Mar 2006 (Thursday).

Name : Mr/Mrs/Ms _____ Company/Institute: _____
* ASHRAE/ CIBSE/ HKIE(BS Div)/ ACRA Member * Delete as appropriate

Membership No. : _____ E-mail Address : _____

Student Apply:-
- University No. : _____ Study Program : _____

Telephone (Co.) : _____ (Mobile) : _____ Fax No. : _____

Correspondence Address : _____

Note : All members have to fill in the membership number for verification. The organizers reserve the right to decline their application if no membership no. is submitted.