

Organizers:



Technical Seminar on “Applications of Embedded Radiant Heating and Cooling in Buildings”

Date : 29 February 2016 (Monday)
Time : 7:00 – 8:30pm (Registration will start at 6:30pm)
Venue : LG109, Lower Ground Floor, KK Leung Building, HKU Main Campus, The University of Hong Kong

Background:

Alternatively to full air-conditioning heating and cooling may be done by water-based radiant heating and cooling systems, where pipes are embedded in the building structure (floors, ceilings, walls) or in the center of the concrete slabs in multi-story buildings. The present talk will discuss the possibilities and limitations of radiant surface heating and cooling systems. Differences in performance and application of surface systems compared to embedded systems are presented. Results from both dynamic computer simulations and field measurements are presented.

Honorable Speaker:



Bjarne W. Olesen, Ph.D.

Professor

International Centre for Indoor Environment and Energy, Department of Civil Engineering,
Technical University of Denmark

Master's Degree in Civil Engineering, 1972. Ph.D., Laboratory of Heating and Air Conditioning, Technical University of Denmark, 1975. In the period 1972-1990 Research scientist at the Laboratory of Heating and Air Conditioning. Part time affiliated as Product Manager at Brüel & Kjaer 1978-1992. Senior Research Scientist, College of Architecture, Virginia Tech. in the period 1992-1993. Since 1993 until January 2004 Head of Research & Development at UPONOR-VELTA GmbH KG & Co., Norderstedt, Germany. Since January 2004 full Professor in Indoor Environment & Energy at the Technical University of Denmark and Director of the International Centre for Indoor Environment and Energy, Technical University of Denmark. Awarded the Ralph Nevins Award (1982), Distinguish Service Award (1997), Fellow Award (2001) and Exceptional Service Award (2006) from ASHRAE. Awarded the Medal of Honour from the German Engineering Society (VDI-TGA, 2005) and International Honorary Member of SHASE. The Society of Heating, Air-Conditioning and Sanitary Engineers of Japan. Vice President (2014-15) and now is the Treasurer (2015-16) of ASHRAE and Honorary member of AICARR (Italian Society for HVAC) Is active in several ASHRAE-CEN-ISO-DIN standard committees regarding indoor environment and energy performance of buildings and HVAC systems. Has published more than 350 papers including more than 60 in peer reviewed journals.

Organizers:



Language: English

Fee: Free of charge

Remark: 1.5-hour CPD certificate will be provided.

Registration & Enquiry:

Number of participants is limited and prior registration is required. For registration, please complete Registration Form in the following "[On-Line Registration Link](#)". Only the applications from the members of Organizer will be accepted. The deadline of application is on 22 February 2016. Successful members will be notified by e-mail on or before 24 February 2016, which has to be presented at the registry of the venue entrance for verification. If the applicants have not received the confirmation e-mail on or before 24 February 2016, their applications will be regarded as not successful.

If typhoon signal no. 8 or black rainstorm signal is in force and still hoisted after 5:00 pm of 29 February 2016, the talk would be cancelled without further arrangement or notification. For enquiry, please send e-mail to ashraehk@gmail.com.

For enquiry, please contact Mr. Andy Lo at 6223 7652 or email to ashraehk@gmail.com.