

## Technical Seminar

After ASHRAE Hong Kong Chapter – 31st Annual General Meeting

# “The New ASHRAE Design Guide for Tall, Mega Tall and Super Tall Building Systems”

Presented by:

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Marina del Rey, California and Hong Kong

**Date & Time** : 31 Mar 2015 (Tue), 7:30 – 8:30pm (after ASHRAE HKC 31th Annual General Meeting)  
**Venue** : CPD-2.42, 2/F, Central Podium Level, HKU Centennial Campus, Hong Kong University, Pokfulam Road, Hong Kong.

### The Speaker:

Peter Simmonds has a Bachelor of Science degree in Mechanical Engineering and another in Research and Development from Reading Technical College and a Master's degree from HTS, Den Bosch, The Netherlands and a Ph.D. from T.U. Delft. He has been a member of ASHRAE since 1989. Dr. Simmonds is a recognized authority in the field of Radiant heating and cooling systems, as well as Thermal Comfort. He has been involved in the design and development of Passive and Active Beams since 1983 and has designed many systems worldwide.



Peter is one of the co-authors of the forthcoming ASHRAE/REHVA Passive and Active Beam Design Guide. Publications of his work led to the development of radiant systems in the USA and are included in the ASHRAE Handbooks. He is presently writing the new ASHRAE Design Guide for Tall, Mega Tall and Super Tall Building Systems. He has received the Carter Bronze Medal from the Chartered Institution of Building Services Engineers in 1993.

He has authored or co-authored more than 60 technical papers, articles and books. He is a member of several ASHRAE Technical Committees and serves on the Standards committee as well as the College of Fellows. Peter teaches Graduate and Post Graduate Architectural students at the University of Southern California and is an ASHRAE Distinguished Lecturer.

### Abstract:

Tall commercial buildings present a series of design problems that differ from those that are found in other projects in the built environment. The previous HVAC Design Guide for Tall Commercial Buildings provided guidance in both understanding the HVAC design problems of tall commercial office buildings (with heights of 100m or more) and in detailing their alternative solutions. This lecture will be of interest to owners, architects, structural engineers, mechanical engineers, electrical engineers and other specialized engineers and consultants. The design guide not only focuses on the efforts of designers of the heating, ventilating and air-conditioning (HVAC) systems, but also addresses the importance of the design team and their collective efforts and concerns that are the critical elements in determining the ultimate solutions to project needs of a tall building. This guide addresses design issues for tall commercial buildings which are very often mixed use, consisting sometimes of low level retail, office floors, residential floors and hotel floors but the matters discussed and the recommendations and comments that are developed, with various modifications, can be applied to other project types within the built environment. As buildings get taller there are different climatic effects which vary over the height of a building. The façade becomes important, not only due to the building size but also how it responds to ambient conditions and how it contributes to the buildings heating and cooling loads. The façade also contributes to daylight harvesting.

**Language:** English

**Fee:** Free of charge for ASHRAE Hong Kong Chapter members (HK\$50 for non-members).

**Remark:** 1-hour CPD certificate will be provided.

**Application:**

Seats are limited. Open to all interested persons, but *priority will be given to ASHRAE-HKC members* who attend the AGM at 6:30 pm on 31 March 2015. The deadline of application is 28 March 2015. Please complete and return the application form by e-mail and send the cross cheque (if necessary) via post before 28 March 2015. Number of participants is limited. Places will be allocated on a first-come-first-served basis. Successful applicants will be informed individually by e-mail.

**Application Form:**

**The New ASHRAE Design Guide for Tall, Mega Tall and Super Tall Building Systems**

Please tick if you will attend our AGM at 6:30pm on 31 March 2015

Name (Dr./Ir/Mr./Mrs./Ms.)\* : (Surname) \_\_\_\_\_ (Given Name) \_\_\_\_\_

Membership\* : Organization: \_\_\_\_\_ Membership No.: \_\_\_\_\_

Company\* : \_\_\_\_\_

Position\* : \_\_\_\_\_

Email Address\* : \_\_\_\_\_

Contact Numbers : (Mobile)\*: \_\_\_\_\_ (Office): \_\_\_\_\_

\* Information must be filled.

Fee (ASHRAE-HKC members) – Free of charge

Fee (Non-member) – HK\$ 50 x \_\_\_\_ person (cheque no.: \_\_\_\_\_ )

**Enquires:** For inquiries, please contact us at email: [dsltung@sustaine.com.hk](mailto:dsltung@sustaine.com.hk)

**Registration:** The application form and cross cheque with appropriate payment in Hong Kong dollars payable to “ASHRAE Hong Kong Chapter” shall be sent to **P.O. Box 35612, King’s Road Post Office, North Point, Hong Kong**, before 28 March 2015. The applicant may email the above information to [dsltung@sustaine.com.hk](mailto:dsltung@sustaine.com.hk) for place reservation and then followed by cheque payment via mail.