

ASHRAE DL Seminar on “ASHRAE Advanced Energy Design Guide and Underfloor Air Distribution Systems”



Date & Time: 17 May 2017 (Wednesday) (2:00pm – 5:15pm)

Venue: Singapore Polytechnic Graduates' Guild (SPGG), Carnation Room, Level 3

► **The ASHRAE Advanced Energy Design Guide**

The Advanced Energy Design Guides were originally conceived as a "cookbook" for newcomers to energy efficient design or teams without the resources to assess the conservation effectiveness of their design decisions. The six 30% Advanced Energy Design Guides presented "a way, but not the only way" to achieve 30% savings with respect to the ASHRAE 90.1-1999 Standard. The five 50% Advanced Energy Design Guides present a more integrated approach to achieving 50% savings with respect to ASHRAE Standard 90.1-2004. This program will present the process by which these documents were developed and some of the concepts presented in the documents. It will also show how the guides can be used in the design process and for green building compliance documentation.

► **Underfloor Air Distribution**

Underfloor Air Distribution Systems (UFAD) are rapidly penetrated the office building arena across the United States because they provide a number of advantages, (and a few disadvantages) over conventional office building HVAC systems. This session will present new design approaches and new solutions that refine and improve the performance and flexibility of UFAD systems. Some of the issues to be dealt with include maintenance of uniform supply temperatures in the underfloor plenum, evaluation and exploitation of thermal stratification in the occupied spaces, avoidance of leakage issues in the floor plenum, control of space humidity for humid climates, and maintenance of comfort conditions in all occupied spaces.

Speaker Profile



DANIEL H. NALL, P.E., FASHRAE, FAIA, BEMP, HBDP

**Vice President
Syska Hennessy Group
New York, NY**

Mr. Nall is a Vice President of Syska Hennessy Group in New York. A graduate of Princeton University and Cornell University, he is a Registered Architect, a Professional Engineer, an ASHRAE Life Fellow, a Fellow of the AIA, a LEED Fellow, a certified Building Energy Modeling Professional and a High Performance Building Design Professional. ASHRAE activities include the ASHRAE Advanced Energy Design Guide Steering Committee, the Building Energy Quotient Ad-Hoc and Oversight Committees, and TC 4.7. He helped author the 30% Advanced Energy Design Guides (AEDG's) for Small Office Buildings, Small Retail Buildings, Roadside Lodging and Small Warehouses, and the 50% AEDG's for Medium Office Buildings, Medium and Big Box Retail Buildings, and Grocery Stores. He is one of the four participants in the "Engineer's Notebook" monthly column in the ASHRAE Journal. He received the ASHRAE New York Chapter Distinguished Service Award in 2011 and the ASHRAE Distinguished Service Award in 2012. He has been a member of the Board of Directors of the USGBC NY Chapter, the vice chairman of the USGBC Energy and Atmosphere Technical Advisory Group and a member of the AIA National Committee on the Environment.

Mr. Nall was named one of the "25 Newsmakers of 2007" by Engineering News Record magazine. He was named "Outstanding Practitioner, 2004", by the US Chapter of the International Building Performance Simulation Association. Notable projects include the BASF U.S. Headquarters, the Newseum in Washington, DC, the Hearst Corporate Headquarters, the U.S. Embassies in Sofia, Bulgaria and Cape Town, South Africa, the Clinton Presidential Library, the New York Times Headquarters and the Alcoa Corporate Headquarters. He is the author of over 40 papers in technical and professional journals. He has been a Visiting Lecturer at the University of Pennsylvania, Cornell University and Princeton University Schools of Architecture and an Adjunct Associate Professor of Architecture at Columbia University.



Registration Form – **ASHRAE DL Seminar on “ASHRAE Advanced Energy Design Guide and Underfloor Air Distribution Systems”**

Date: 17 May 2017 (Wednesday)
Time: 2.00pm – 5.15pm
(Registration starts 1.30pm)

Fee for early registration by 3 May 2017:
S\$20 for ASHRAE Singapore Chapter (ASC) members
Free for ASC Student Members (limited seat)
S\$60 for ASHRAE/IFMA/IES/SGBC members
S\$80 per participant (non-members)

Fee for registration after 3 May 2017
S\$20 for ASC members
S\$80 for ASHRAE/IFMA/IES/SGBC members
S\$100 for non-members
(1 Tea Break will be provided)

Venue:
Singapore Polytechnic Graduates’ Guild
Carnation Room, Level 3, 1010 Dover Road
Singapore 139658 (Singapore Poly Gate No. 4)

Register by email to elta.ascsecretariat@gmail.com before **10 May 2017**, with the required Registration Details below.

Please make the payment by issuing a cheque to **ASHRAE Singapore Chapter, c/o 159 Sin Ming Road, AMTECH Building, Lobby 2 #07-02, Singapore 575625**

**Professional Engineers Board: Qualified for 3 PDUs by PEB
SCEM-PDU Points: 3 PDUs**

For enquires on program and registration matters please contact:
Dr. Peter Cheng [Email: peter.cheng@armacell.com], ASC

Registration Details

Name of Participant	ASHRAE Membership No.:	ASC Reg No.:	PE Reg No.:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organization:	<input type="text"/>	Designation:	<input type="text"/>
Mailing Address:	<input type="text"/>		
	<input type="text"/>	Postal Code	<input type="text"/>
Telephone / Mobile No.:	<input type="text"/>	Fax no.:	<input type="text"/>
Email:	<input type="text"/>		

Signature

Date

Location



- Located at 1010 Dover Road (SP Gate 4)
- 10 mins walk from Dover MRT
- Bus Services to SPGG:
 - Bus Stop A: SBS 33 & SBS 196
 - Bus Stop B: SBS 96, 151, 183