

## This Month's Event

Tuesday, November 11, 2008

### Effective Room Air Distribution

Speaker: **Daniel Int-Hout III, ASHRAE DL**

#### Description:

In order to meet the increased expectations of building occupants, designers must be aware of the conflicts between first cost economics, occupant productivity and life cycle costs. Buildings that do not meet the needs of the occupants often result in expensive redesign or worse, result in lawsuits against all parties involved. Recent court cases make it imperative that designers understand the changing 'rules' of the road.

Subjects:

1. LEED V2.2 is out, and many are not aware of some significant changes that have resulted in air distribution, IAQ, and Comfort.
2. Air distribution: Selecting components and system parameters for effective air mixing. New requirements need to be understood.
3. Thermal Comfort: Determining optimum occupant comfort strategies. ASHRAE Standard 55 has been revised.
4. Acoustics: Accurately predicting end use environments. A new classroom acoustical requirement needs to be understood.
5. IAQ: The changing face of ASHRAE Standard 62.1, and upcoming developments.

#### About Daniel Int-Hout III:

Dan Int-Hout, Chief Engineer, Krueger, is responsible for the presentation of technical data and advanced application engineering for the Grilles, Registers and Diffusers, as well as the VAV air terminals, produced by Krueger.

Dan has been in the Air Distribution research and design business since 1973, and has a Masters in Business Management from Central Michigan Univ., and a Bachelor in Biology & Physics from Denison University.

Dan originally joined Krueger in 1981, but has had several other jobs in the industry, including Owens Corning Fiberglas, Carrier, Titus and Environmental Technologies, in engineering, marketing and product research roles.

Dan has written over 40 technical papers and articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He was recently Chairman of both ASHRAE Technical and Standards Committees on Thermal Comfort, is a past Chairman of several other related ASHRAE Technical and Standards Committees, as well as ASHRAE Standards, Technical Activities Committee (TAC), & Environmental Health Committees. He received the ASHRAE Distinguished Service Award in 1993 and the Exceptional Service award in 2007. Dan is currently the Chairman of the ARI committee on Applied Acoustics (885) and Chair of ISO 205 US Panel on Thermal Comfort. Dan was nominated to the grade of ASHRAE Fellow at the Long Beach meeting in 2007.

**Location:** Clarion Hotel  
1515 George Washington Way  
Richland, WA 99352

**When:** 5:30 pm—Social  
6:00 pm—Dinner  
Program to follow dinner

**Cost:** \$20.00 Dinner and Program

**RSVP:** Mark Simon at (509) 377-8713 or e-mail at [msimon@energy-northwest.com](mailto:msimon@energy-northwest.com)  
Please RSVP by November 10, 2008 if you plan to attend.

#### Program Calendar (2008—2009)

*September 9, 2008: LEDs—A Bright Idea for Cold Storage Applications, Steven Parker & Myra Parker*

*October 7, 2008: Variable Refrigerant Flow Technology, Scott Heaton & Greg Nelson*

*November 11, 2008: Effective Room Air Distribution, Daniel Int-Hout III, ASHRAE DL*

*December 9, 2008: ASHRAE Headquarters Renovation, Ron Jarnigan*

*January 13, 2009: Green Buildings—Help or Hype?, Hank Jackson, ASHRAE DL*

*February ??, 2009: Engineers Week Banquet*

*March 17, 2009: Waterside Economizers, TBD*

*April 14, 2009: ASHRAE President, Bill Harrison*

*May 12, 2009: LEED Building Energy Performance Report, Mark Cherniack*

*June ??, 2009: Mid-Columbia ASHRAE Golf Tournament to benefit ASHRAE/Research.*