

Mid-Columbia Chapter of
the American Society of
Heating, Refrigerating and
Air Conditioning

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November 2008

The

Tumbleweed



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IFMA, ASHRAE COLLABORATE ON ENERGY EFFICIENCY ISSUES

Don't Miss This Month's Event

November 11, 2008

Effective Room Air Distribution

Details on page 3

ATLANTA — (Oct. 7, 2008) — With buildings accounting for 40 percent of primary energy use in developed nations, it is becoming increasingly important to find ways to build and operate them in an energy efficient manner. In recognition of this, the American Society of Heating, Refrigerating and Air-Conditioning Engineers and the International Facility Management Association are entering into an agreement that increases cooperation between the two groups.

The memorandum of understanding, to be signed at IFMA's World Workplace 2008 Conference & Expo, calls for sharing resources and collaborating on projects, publications, sustainability research and educational offerings that will be beneficial to both organizations' members and constituents. ASHRAE and IFMA will also work together on legislative and regulatory issues through their Washington, D.C., offices.

"Engineers and facility managers share an important relationship in creating and maintaining buildings that are safe, healthy and energy efficient," said Bill Harrison, ASHRAE president. "Now, ASHRAE and IFMA are seeking to take that cooperative relationship to the next level. This agreement strengthens the existing partnership between our two organizations. By working together on issues in the built environment, we can enhance our respective efforts to create a sustainable future."

"ASHRAE's indoor air quality standards have long provided benchmarks and guidelines for facility managers to use in keeping workers comfortable, safe and productive," said David J. Brady, IFMA president and CEO. "In the new era of triple bottom line accountability on financial, social and environmental contributions, the need for energy vigilance and conservation is greater than ever."

The memorandum will be signed at 2:30 p.m. on Thursday, Oct. 16, at a press conference during World Workplace. Long recognized as the world's premier educational and networking conference for facility managers and those in related fields, World Workplace

brings industry leaders from the world's top business and government organizations together with educators and exhibitors to focus on the future of the work environment. Now in its 29th year, the conference will feature 83 educational sessions and new product demonstrations by more than 300 manufacturers from across the globe.

World Workplace will be held Oct. 15-17 at the Dallas Convention Center in Dallas, Texas. For a complete list of conference details, visit www.worldworkplace.org. Members of the media interested in attending World Workplace may register at no cost here.

About IFMA:

IFMA is the world's largest and most widely recognized international association for professional facility managers, supporting more than 19,000 members in 60 countries. The association's members, represented in 125 chapters and 15 councils worldwide, manage more than 37 billion square feet of property and annually purchase more than US\$100 billion in products and services. Formed in 1980, IFMA certifies facility managers, conducts research, provides educational programs, recognizes facility management certificate programs and produces World Workplace, the world's largest facility management conference and exposition. For more information, visit www.ifma.org.

About ASHRAE:

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. For more information, visit www.ashrae.org.

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Message from the President

By Jay Ashbaugh

At the last Board of Governors (BOG) meeting we appointed our two missing members, the BOG at large and treasurer. I would proudly like to introduce Carl Brenneise and Jim Clifford. Carl is a former Mid-Columbia ASHRAE BOG member, even served as president, Carl will filling the position of BOG at large, which was vacated by Lois Payne. Jim Clifford a new Mid-Columbia ASHRAE member filled the position of Treasurer, which was made available due to the departure of Wei Jiang. Again, I appreciate both Carl and Jim for stepping up to help fill these vacated seats.

Already again it is about time for the holidays and in this season of giving I want to remind everyone that this would be a great month to donate money to ASHRAE research. ASHRAE depends on contributions from people like you to keep developing the tools we engineers use on a daily basis.

I want to send special thanks to Greg with Vemco for helping to bring down the speaker for last months program, a wonderful presentation on Variable Refrigerant Volume (VRV) technologies. As we continue to work in the HVAC industry I am sure we will be finding more and more applications for this product as it will save energy which will contribute to ASHRAE overall goal of lower building energy usage.

Don't forget to make it to our Distinguished Lecturer program scheduled for Nov 11, 2008 in the evening.

Congress Extends Energy Tax Incentives through Economic Recovery Package

ATLANTA – With the passage of the economic recovery package by Congress last week, banks aren't the only ones relieved; proponents of energy efficiency efforts are as well.

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) commends Congress on including in the package provisions for the extension of expired and expiring tax incentives for renewable energy, energy-efficient building upgrades, and appliance and equipment purchases.

"These energy provisions are essential to realizing ASHRAE's goal of reaching net-zero-energy buildings," says Bill Harrison, ASHRAE president. "But more importantly, they are essential for the energy independence of our nation. While the banking industry may be visibly suffering now due to these economic times, we will all suffer if we don't find ways to take advantage of alternative energy sources and make our buildings more efficient."

Though several attempts were made during the 110th Congress to extend these credits and incentives, those attempts failed due to disagreement over funding issues.

One key provision in the legislation is the extension of the Commercial Building Tax Deduction (CBTD) through 2013. This allows building owners to claim a deduction of up to \$1.80 per square foot for HVAC, lighting or envelope upgrades resulting in 50% savings over ANSI/ASHRAE/IESNA Standard 90.1-2001. This five-year extension allows for the planning schedules often needed in design and construction, whereas the provision previously was only certain for shorter periods, affecting its usefulness.

The legislation additionally creates new credits for combined heat and power system property, small wind energy property, and geothermal heat pump systems through 2016.

Other energy provisions in the legislation include:

- Extending the Renewable Energy Production Credit for wind to 2010, biomass, geothermal, solar and hydro to 2011, and adds a marine/tidal credit through 2012.
- Extending credits for solar energy property, fuel cell property and microturbines through 2016.
- Establishing provisions for Energy Conservation Bonds issued by states or localities to conduct energy conservation projects
- Extending residential tax credits for energy saving appliances, energy efficient homes, and on-site renewables.
- Adding accelerated depreciation period for smart meters and smart grid systems, encouraging investment in these systems.
- Extending a program providing tax-exempt bond designation to designated green building and sustainable design projects on brownfields.
- Extending the expired business research credit through 2009.

For more information on ASHRAE Government Affairs, please visit www.ashrae.org/advocacy.



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
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.*

Mid-Columbia ASHRAE Chapter

2008-2009 Officers/ BOG

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The Mid-Columbia Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in 1981 in Richland, Washington. We are part of ASHRAE Region XI and represent ASHRAE members in Eastern Washington State.

Help Sponsor our Website with a Business Card Ad

How would you like to place your business card in front of more than seventy eastern Washington ASHRAE members? For a low \$10 an issue, we can place your business card with company logo in a prominent location in our newsletter.

Interested??? Contact
Mark Simon at (509) 377-8713
msimon@energy-northwest.com

Important Notice About Future Meeting Dates

The dates for the Winter and Annual Meetings in 2009 are:

- Jan. 24-28 in Chicago
- June 20-24 in Louisville, KY.

