



**SPECIAL
POINTS OF
INTEREST:**

- Sustainable Urban Design the Focus of ASHRAE Winter Conference '09 in Chicago
- ASHRAE Publishes Residential IAQ Guideline
- Congress Extends Energy Tax Incentives through Economic Recovery Package

President's Message Sol Chavez, PE

Our first meeting of the year was well attended and our presenter, Bryan Lynch, well received. Bryan spoke on the Past, Present and Future of ASHRAE Standard 55. Significant work is being done on the methodology of quantifying thermal comfort.

October's meeting is our annual presentation by the Pikes Peak Regional Building Department. Be sure to get your reservation in early. This program is always well attended.

Our luncheon prices have been reduced from \$20 to \$17, and if you

buy an annual ticket they are \$96 for all eight meetings. Sign up now on line.

We still have two positions for which we are seeking volunteers, those being secretary and newsletter editor.

This Month's Meeting

Thursday, October 16, 2008
11:30 AM at the Warehouse Restaurant
25 West Cimarron

Representatives of the Pikes Peak Regional Building Department will present current developments in the Building Codes of the Pikes Peak region

Care & Share

This has been a tough year for Care & Share. Please bring a food donation to the meeting and Bethany Trumble will see that it gets to them. They need our support.

engineering tomorrow... today

ASHRAE's 2009 Winter Conference
January 24-28
AHR Expo
Jan. 26-28

www.ashrae.org/chicago



ASHRAE Returns to Chicago for Winter Conference and AHR EXPO

Chicago, with one of the most recognizable skylines in the United States, has long-standing status as a livable urban center. That the city has stood the test of time makes it the perfect backdrop for this year's ASHRAE Winter Conference theme: *Sustainable Urban Design: Engineering Tomorrow...Today.*

The Palmer House Hilton will once again host ASHRAE January 24 - 28, with the ASHRAE co-sponsored AHR Expo taking place Jan. 26-28 at McCormick Place. The conference promises to be a great way to kick off the new year, with opportunities to interact with colleagues, learn technical information, and hear Keynote Speaker Chris Luebke of Arup speak on sustainability and thoughtful design and Technical Plenary speaker Adrian Bejan, Ph.D., explain technical evolution through "constructal theory" which he says can predict how everything flows through time and space.

The technical program highlights the conference theme and will feature presentations on energy conservation, indoor environmental quality, sustainability efforts and more that will help you earn your PDHs. Seeking to create additional value for Expo and Conference attendees, ASHRAE is launching "Wednesday Welcome," at which all ASHRAE technical program sessions on Jan. 28 take place at McCormick Place. The "Wednesday Welcome" includes 18 hands-on, applications-type programs, held from 9 a.m. to 1:30 p.m., leaving the afternoon open to tour the Expo with more than 1,850 exhibits covering a world of equipment, systems, components and technology for the building industry. Admission to the "Wednesday Welcome" is included with your full ASHRAE Winter Conference registration or you can purchase a ticket for the full day for \$99.

You can also earn PDHs and CEUs at Professional Development Seminars and Short Courses brought to you by the ASHRAE Learning Institute.

Networking opportunities and chances to see Chicago are plentiful at the ASHRAE Winter Conference. Meet with old friends at the Welcome Party, Presidents Luncheon and Member's Night Out. Technical tours of the city take you to the Intercontinental Hotel and The Art Institute of Chicago and you can see mansions and temples of the city, or take a cooking class on one of the general tours.

For complete, updated information and to register for the ASHRAE Winter Conference, go online to www.ashrae.org/chicago. Visit www.ahrexpo.com to learn more about the AHR EXPO.

Sustainable Urban Design the Focus of ASHRAE Winter Conference '09 in Chicago

ATLANTA – At the 2009 ASHRAE Winter Conference in Chicago, you can be greeted at the Tech program not once but twice, courtesy of this year's extended series of sessions at McCormick Place on Wed., Jan. 28. Although the conference's technical program begins Jan. 25 at the Palmer House Hilton, the "Wednesday Welcome" event at the AHR Expo location offers ASHRAE members a chance to attend a kick-off morning reception and receive critical technical information at the educational sessions, with access to the show floor to see the latest in HVAC&R offerings.

The Wednesday Welcome includes 18 hands-on, applications-type pro-

grams, held from 9 a.m. to 1:30 p.m., centering around the Technical Program theme of *Sustainable Urban Design*.

"The Wednesday Welcome gives Winter Conference attendees two great reasons to spend some extra time in Chicago," says Bill Harrison, ASHRAE president. "Not only does this extension of the ASHRAE Technical Program provide additional opportunities for earning PDHs, but attendees can take advantage of the location to make the most of the experience through AHR Expo's networking and product opportunities. It's the biggest bang for your ASHRAE buck."

Sessions held at McCormick Place feature back to basics sessions on load

calculations and liquid chiller operations, BIM, Standard 62.1's demand controlled ventilation and IAQ procedure, VFDs, commissioning for sustainability programs, building automation systems and sessions entitled *Liability and Litigation Issues in Green Design, Part 1 and 2* and *Case Studies in Sustainable Retrofit to Reduce Energy of Existing Buildings*.

Overall, the technical program offers more than 100 sessions, with more than 140 Professional Development Hour credits available.

Also featured in the technical program is the technical plenary speaker, Adrian Bejan, Ph.D., A. Jones Distinguished Professor of Mechanical Engineering at Duke Univer-

sity. Bejan developed the constructal theory, which he says can predict how everything flows through time and space. The session takes place from 9:45-10:45 a.m. Jan. 25.

ASHRAE's free public session also focuses on *Sustainability in the Urban Development*, sharing how the industry is building on its efforts to increase energy efficiency and indoor environmental quality of buildings by furthering the sustainability of entire communities. It is held at 3 p.m. Jan. 26 at McCormick Place.

The ASHRAE Winter Conference runs Jan. 24-28, 2009, and the AHR Expo takes place Jan. 26-28. For more information on the ASHRAE Conference, please visit www.ashrae.org/chicago.

ASHRAE Publishes Residential IAQ Guideline

ATLANTA – A new residential ventilation and indoor air quality (IAQ) guideline is now available from ASHRAE.

ASHRAE Guideline 24-2008, *Ventilation and Indoor Air Quality in Low-Rise Residential Buildings*, is the companion guideline to ANSI/ASHRAE Standard 62.2-2007, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, the only nationally recognized ventilation and IAQ standard developed

solely for residences. Guideline 24 provides information on achieving good IAQ that goes beyond the requirements contained in Standard 62.2 by providing explanatory and educational material not included in the code-intended standard.

The guideline, which was written by the committee responsible for maintaining Standard 62.2, includes information on envelope and system design, material selection, commissioning

and installation, and operation and maintenance.

Committee chair Steven Emmerich said, "While Standard 62.2 contains the essential minimum requirements that all low-rise residential buildings should meet to achieve acceptable IAQ, Guideline 24 is an essential resource for designers, builders and others looking for reliable information on topics not covered in the standard or seeking to go beyond minimum for high performance construction.

Topics covered range from fundamentals of building airflow to humidity control to verification of equipment performance."

The cost of Guideline 24-2008 is \$54 (\$43, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit at www.ashrae.org/bookstore.

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 de-

sign 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.

ASHRAE is about

RESEARCH

Be sure and get your raffle tickets at the meeting