



# INFORMAIRE

JOURNAL OF MADISON, WISCONSIN CHAPTER

AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

VOLUME XXXXI NO. 6

February 2009

**In this Edition:**

[www.ashraemadison.org](http://www.ashraemadison.org)

Meeting Information	1	Treasurers Report	2	E-Learning	4
Presidents Message	1	Winter Conference	2	ASHRAE Announcements	4
Student Activities	2	Game	3	Chapter Contacts	4
Meeting Minutes	2	Research Promotion	3	Program Schedule	5

## FEBRUARY MEETING

Submitted by: Robb Stone

**DATE:** MONDAY, February 9th, 2009

**LOCATION:** Nakoma Golf Club  
4145 County Club Road  
Madison, WI 53711

**TIME:** Social Gathering 5:00 to 6:00 p.m.  
Dinner & Discussions 6:00 to 7:00 p.m.  
Program Presentation 7:00 to 8:00 p.m.

**TOPIC:** Joint ASHRAE / MSC / MAPC Meeting - Roundtable Discussions

Come join us for a night of camaraderie and dialog with fellow colleagues! We are excited to announce a joint February meeting with the Madison Area Mechanical and Sheetmetal Contractors and Plumbing Contractors Association. The format for the meeting will be roundtable discussion on topics that are current in our industry. During dinner, each table will be assigned a current topic to discuss. After dinner, each table will report back to the full group on their topic and discussion. Final discussion topics will be distributed at the meeting. See Page 2 for some topics of discussion

**RSVP:** Please RSVP (email) to **Robb Stone** at JDR Engineering: [stone@jdreng.com](mailto:stone@jdreng.com). You may also call Robb at (608) 277-1728, ext 101.

Please RSVP by **10:00 AM, Friday, February 6<sup>th</sup>**

The cost for the meeting is **\$30 for members and non-members**, which includes dinner and presentation. The meeting fee will be paid at the door. Please make checks payable to **Madison ASHRAE Chapter**

*(See Meeting on next page)*

## PRESIDENTS MESSAGE

Submitted By: Tim Meeker

Hello and welcome to the February addition of the INFORMAIRE!

This month we are looking forward to another joint meeting with the Madison Area Sheet Metal and Plumbing Contractors Association. This is a great venue to come share thoughts and experiences with others in our industry. I hope you can make it!

On **April 22nd**, ASHRAE's Chapter Technology Transfer Committee (CTTC) will be presenting a satellite Broadcast/Webcast on "Clean, Lean and Green – IAQ for Sustainable Buildings". This program will highlight guidance from the publication IAQ Guide: Best Practices for Design, Construction, and Commissioning, developed collaboratively by **ASHRAE, AIA, BOMA, EPA, SMACNA** and **USGBC**. Three (3) Professional Development Hours (PDH's) or three (3) AIA Learning Units may be granted to participants who view the program and complete the Participant Reaction Form. Online registration for site coordinators and webcast viewers begins **March 2nd** at [www.ashrae.org/iaqbroadcast](http://www.ashrae.org/iaqbroadcast). Registration for satellite viewers begins March 16th.

As always, if you have any questions, comments, ideas or concerns, please don't hesitate to contact myself or any of the Board of Governor's or Committee Chairs. We always look for your input!

Thanks, and I hope to see you at this month's meeting!

**Tim Meeker**

2008-09 Madison ASHRAE Chapter President

[meeker@jdreng.com](mailto:meeker@jdreng.com)

(608) 277-1728

## FEBRUARY MEETING

**Con't**

Planned discussion topics:

1. Value engineering...who's responsible and does it work?
2. Design-Build...does the process work and what is the best contractual arrangement?
3. Economy and the building industry? Which markets are most affected? Least affected?
4. Renewable energy...cost verses benefit.
5. What can we do to make jobs more successful?
6. How can engineers and best contractors interact to design build projects?
7. How will future trends affect our industry?
8. Thoughts about Integrated Construction?
9. The benefits of Commissioning to the successful project.

**Please feel free to send additional topic ideas** with your RSVP for consideration.

**DINNER:** **Chicken Marsala** provided with potato, vegetable side, tossed Salad and Dinner Roll, Dessert, Coffee and Milk

Each participant of legal drinking age will receive (2) free drink tickets.

**Note:**Vegetarian and gluten-free dinner options are available. *Please indicate with your RSVP* if one of these dinner alternatives is being requested.

*The Madison Chapter "No Show" Policy: In an effort to control meeting costs, members who fail to show and fail to change by NOON FRIDAY the week before will be asked to contribute \$30 to recover the meal costs incurred by the Chapter. Checks are to be made out to Madison ASHRAE Chapter and mailed to: **Matt Heil**, c/o Henneman Engineering, 1232 Fourier Drive, Suite 101 Madison, Wisconsin 53717-1960*

## STUDENT ACTIVITIES

Submitted By: James Kraus

Have you ever heard of **Science Olympiad**? I encourage you to go to look at the following website <http://wisconsinso.org/divc/> to find more information about this organization. **Science Olympiad** is a local and national competition used to engage students engaged in the sciences. I am very intrigued by the "build events" however there are many other events. We are looking for volunteers from our ASHRAE Chapter to assist local school kids with their projects. We can use this venue to get the message to the young future engineers about our HVAC field. I am working on getting more information from local schools about when and how often they meet. One middle school I spoke with meets once a week. **Please consider volunteering some time!**

## MEETING MINUTES

Submitted By: Manus McDevitt

The latest meeting minutes can be found by selecting the following links.

[Madison BOG Minutes 12-8-08](#)

Thanks. *Manus*

## TREASURER

Submitted By: Matt Heil

The treasurer reports can be found through the links below.

[Madison Treasurer December](#)

Matt Heil, P.E.  
Treasurer  
(608) 833-7000

## 2009 WINTER CONFERENCE

Submitted By: Ken Von Bank

The 2009 ASHRAE Winter Conference, held in Chicago's newly renovated Palmer House Hilton, was well attended. The theme for this year's conference was "Sustainable Urban Design" and Chicago proved to be an ideal host location (with the possible exception of the frigid weather). Attendees had the opportunity to attend seminars and forums, join technical committees, network with peers, purchase the latest ASHRAE publications, and tour some the city's points of interest.



Many of the seminars presented in the technical program reflected the underlying theme of Sustainable Urban Design. Topics included innovations in high performance building design, urban combined heat and power projects, and innovations in mechanical systems for high rise buildings. Several seminars presented updates to existing ASHRAE standards as well as new proposed standards such as ASHRAE's newest standard 189.1 - Design of High Performance Green Buildings Except Low-Rise Residential Buildings.

ASHRAE, its members, and committees, have once again shown their dedication to advancing HVAC&R to higher levels of innovation, efficiency, and promoting a sustainable world. The Winter Conference did not disappoint.

This conference will be followed by the ASHRAE 2009 Annual Conference to be held in Louisville, Kentucky, June 20-24. The theme for the Annual Conference is "Optimal Air Quality Management". Hope to see you there.

**GAME**

Submitted By: Ellen Skorpirski

California has newly adopted in 2009 a Green Building Standards Code which will regulate and radically change the impact of the design of state-owned buildings, state universities, low-rise residential buildings, public schools, "qualified" historical buildings, and medical facilities. The regulations mandate the reduction of energy use by 15 percent and water use by 50 percent in landscaping, among other requirements. The Green Building Code transitions from voluntary to mandatory over time, with most measures being voluntary until 2010. An Application Matrix clarifies which measures are mandatory and which are voluntary, based on the type of project. The new code is expected to set a trend nationwide, and quite possibly worldwide.

What you may not know is that Governor Doyle signed a similar, but less stringent bill in March of 2006. The bill entitled **The Energy Efficiency and Renewables Act** focuses on three areas: increasing the use of renewable energy in Wisconsin, promoting the development of renewable energy technologies, and strengthening the state's energy efficiency programs to maximize their benefit. Currently Wisconsin imports all of the fossil fuels we use to generate electricity. Senate Bill 459 requires that by 2015, ten percent of the state's electricity be generated from renewable sources. This is enough to supply the needs of 850,000 homes each year, and avoid more than 5.5 million tons of greenhouse gases by 2015.

Additionally, by 2011, the state will leverage its buying power to purchase 20 percent of the energy for the six largest state agencies from renewable sources. The new law also requires the state to update building codes to include higher energy efficiency standards, and create special energy standards for state building projects and purchases.

All told, the new requirements will significantly change design and construction practices. It remains to be seen what the cost impacts will be to projects, and how sizable the environmental benefits will be. The environmental benefits will likely extend beyond the projects directly affected by the code, as designers and builders adopt measures like energy efficient steel framing and optimal value engineering as a matter of standard practice. As a result of these new standards and legislation, architects and engineers are now empowered to play a stronger role in conserving energy and resources in on state projects in Wisconsin.

**RESEARCH PROMOTION**

Submitted By: GENE NELSON

At the February meeting we will be recognizing donors to our 2007-2008 RP campaign. Please join us in recognizing all those who support ASHRAE Resource Promotion.

**The 2007-2008 \$500+ donors included:**

- Affiliated Engineers, Inc.**
- Automation Components Incorporated**
- H & H Industries Inc.**
- Heating, Piping Cooling Council**
- Hooper Construction**
- Marshall Erdman & Associates**
- Masters Building Solutions**
- Trane**

**Other donors to the 2007-2008 campaign included:**

- American Indoor Environments LLC**
- Jeff Boldt**
- Building Automation Products, Inc.**
- Capitol Mechanical, Inc.**
- Carnes Company Incorporated – Verona**
- Durrant Group, Inc.**
- Environmental Systems Analysis, Inc.**
- Chad Faber**
- First Supply Group, Inc.**
- Matt Heil**
- Hein Engineering Group**
- Hunzicker Riley, Inc.**
- Madison Gas & electric Company**
- Tim Meeker**
- Gene Nelson**
- North American Mechanical Inc.**
- Pearson Engineering**
- Planning Design Building, Inc.**
- Ritch Stevenson**
- Robb Stone**
- Strang Inc.**
- Ron Tilley**
- Steve Tredinnick**
- Al Zeller**

I will also be giving a short presentation on this year's campaign.

Again, thank you for your support.

**Gene Nelson**  
Madison Chapter 2008-2009 RP Chair

## E-LEARNING REFRIGERATION

Submitted By: Mark Miller

**E**-Learning announces the launch of Refrigeration Equipment.

The Full course (11.5 PDH) costs \$250, and is discounted to \$195 for ASHRAE members.

The Short courses (1.5 - 2.5 PDH) costs \$90, and is discounted to \$75 for ASHRAE members.

Companies can realize important benefits from ASHRAE eLearning:

- Measure the results of training
- Integrates easily into existing training and makes it more effective
- Saves travel time and costs. Individuals can also realize important benefits:
- Learn more effectively
- Learn at your own pace, available 24/7/365
- Earn PDHs and CEUs

Refrigeration Equipment - I-P is available as one full course or 6 short courses and was designed by HVACR experts for:

- Recent engineering graduates working in HVACR
- Engineers entering HVACR from another area
- Technicians

Six short courses make up the full course and are available separately (ASHRAE Members \$75 ea):

- Evaporators 1.5 PDH
- Compressors 2.5 PDH
- Condensers 1.5 PDH
- Pipes, valves, and pumps 2.0 PDH
- Expansion devices 2.0 PDH
- Pressure vessels 2.0 PDH

## ASHRAE ANNOUNCEMENTS

Submitted By: Mark Miller

ASHRAE announcement this past month headlines are listed below. To find out more about the, search them out at [www.ASHRAE.org](http://www.ASHRAE.org):

- **Standard 90.1-2004 Established as National Reference by DOE**
- **Consortium to Advise on High-Performance Building Issues**
- **Distinguished Lecturer Marlene Linder Focuses on Control of Emerging Infections Diseases**
- **ASHRAE's 2009 Satellite Broadcast Focuses on IAQ for Sustainable Buildings**
- **New Standard 189 Committee to Hold 1<sup>st</sup> Meeting in Chicago**
- **ASHRAE Technology Awards Highlight Outstanding Building Projects**
- **ASHRAE Recognizes Outstanding HVAC&R Industry Achievements**

## MADISON ASHRAE CONTACTS

### OFFICERS:

PRESIDENT:	Tim Meeker	meeker@jdreng.com
PRESIDENT-ELECT:	Robb Stone	stone@jdreng.com
TREASURER:	Matt Heil	mheil@henneman.com
SECRETARY:	Manus McDevitt	mmcdevitt@sustaineng.com
PAST PRESIDENT:	Gene Nelson	gcnelson@aeieng.com
BOARD OF GOVERNORS:	Mike Gall	MGall@mastershvac.com
	Sharon Gould	sgould@franklinenergy.com

### COMMITTEES:

CRC DELEGATE:	Robb Stone	stone@jdreng.com
CRC ALTERNATE:	Matt Heil	mheil@henneman.com
CTTC:	Brian Basken	brian@pearsonengineering.com
PROGRAM:	Robb Stone	stone@jdreng.com
GAME:	Ellen Skorpinski	eskorpinski@acscm.com
REFRIGERATION:	Tom Riley	rileylois7@yahoo.com
GOLF:	Michel Robert	MRobert@Mastershvac.com
	Doug Bergmann	DBergmann@mastershvac.com
HISTORIAN:	Farhan Khatri	fkhatri@erdman.com
MEMBERSHIP:	Dan Bergmann	DanBergmann@Mastershvac.com
NEWSLETTER:	Mark Miller	mark.miller@mail.ashrae.org
RESEARCH PROMOTION:	Gene Nelson	gcnelson@aeieng.com
SCHOLARSHIP:	Brian Winterle	bwinterle@pecllc.com
STUDENT:	Matt Koukl &	MKoukl@Trane.com
ACTIVITIES:	Jim Kraus	jkraus@fpm.wisc.edu
WEBMASTER:	Zach Obert	zacho@weccusa.org

Want your own subscription to

## Wisconsin Perspective magazine?



Simply complete the online form at:

[www.wisconsinperspective.com](http://www.wisconsinperspective.com)



It's FREE! It's EASY!

A PUBLICATION FOR WISCONSIN/ U.P. PLUMBING-HVAC-MECHANICAL AND RELATED INDUSTRIES



**PROGRAM SCHEDULE**

	<b>Topic</b>	<b>Location</b>	<b>Speaker (s)</b>	<b>Theme</b>
<b>Sep 8</b>	<b>Underfloor Air Distribution Systems</b>	<b>Quality Inn and Suites Fitchburg</b>	<b>Jack Geortner – Flexsys Underfloor/JCI</b>	
<b>Oct 13</b>	<b>LEED Project Tour</b>	<b>Erdman – One Erdman Place</b>	<b>Mike Meteyer</b>	<b>Student Activities &amp; RP</b>
<b>Nov 10</b>	<b>Humidity Control</b>	<b>Sheraton Madison Hotel</b>	<b>Tom Durkin – Durkin &amp; Villalta Partners Eng</b>	<b>Membership</b>
<b>Dec 9</b>	<b>Focus On Energy – Update 2009</b>	<b>Holiday Inn – West</b>	<b>Gene Curtis – Focus On Energy</b>	<b>Past Presidents</b>
<b>Jan 12</b>	<b>Project Tour</b>	<b>University Square</b>	<b>Rick Gilbertson - Potter Lawson Dave Smith - KJWW</b>	<b>Student Night</b>
<b>Feb 9</b>	<b>Variable Refrigerant Flow Systems</b>	<b>Masters Building Solutions</b>		<b>Refrigeration</b>
<b>Mar 9</b>				<b>CTTC</b>
<b>Apr 13</b>				
<b>May 11</b>				
<b>Jun 8</b>	<b>Golf Outing</b>	<b>Stoughton Country Club</b>		<b>Social</b>

ASHRAE Madison Chapter  
 c/o Newsletter Editor  
 124 Harvest Circle  
 Oregon, WI 53575

(Address Correction Requested)

