



# INFORMAIRE

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AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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**FEBRUARY**

Submitted by: Matt Heil

**DATE: MONDAY, February 8th, 2010****LOCATION: Quality Inn and Suites**  
2969 Cahill Main, Fitchburg**TIME:** 5:00 to 5:50 p.m. Technical Session  
5:15 to 6:00 p.m. Social Gathering  
6:00 to 6:45 p.m. Meeting & Dinner  
6:45 to 7:45 p.m. Program Presentation**TOPIC: Commissioning Biocontainment Facilities**

Successfully commissioning complex Biocontainment Facilities requires a strong partnership by all Stakeholder Groups at the onset of the project. The strategies and methods associated with this effort require a high degree of both coordination and flexibility. Furthermore, the full commitment of the project team to the commissioning program is the foundation upon which success can be achieved.

*Continued on next page***SPEAKER: Paul Stasiewicz, PE, Affiliated Eng, Inc.**

**Paul Stasiewicz** leads Affiliated Engineers' national Commissioning practice, an internal division of the firm which provides commissioning services as a third party entity as well as to its own design projects. As a consultant, he has applied his expertise in assisting facility owners and managers in all phases of the facility life cycle. **Mr. Stasiewicz** brings significant years of experience commissioning research and biocontainment facilities for clients such as Texas A&M, University of Arizona, University of Illinois at Chicago, Colorado State University and Tulane University.

**RSVP:** Register by selecting this link [REGISTER 2-8-10](#) or email to **Matt Heil** at Henneman Engineering: [ASHRAE@henneman.com](mailto:ASHRAE@henneman.com). You may also call Matt at (608) 833-7000.

Please RSVP by [noon, Thursday, February 5<sup>th</sup>](#)

*The cost for the meeting is \$20 for members and \$30 for 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 column)***FEBRUARY MEETING****Con't**

The increased complexity and inter-dependencies of building systems associated with Biocontainment Facilities directly influenced the development of an enhanced integrated project delivery approach for bringing these facilities to full operational potential. With the incorporation of the commissioning process into this approach, many benefits are realized, including:

- containment zone integrity
- redundant system response
- pressure cascade integrity
- laboratory equipment performance
- reduced warranty issues
- detailed user-friendly building documentation
- enhanced training for facility staff
- 21-day performance test period
- smooth transition to move-in and start-up

The commissioning process creates a win-win environment for all parties involved. Owners benefit by fully operational systems, move-in ready buildings, increased occupant satisfaction and efficient energy use. Design Professionals benefit through operational feedback during design and reduced requests for information, change orders and punch list during construction. Contractors benefit through a focused start-up process, fewer warranty callbacks and expedited turnover.

**Dinner Choice as follows** (Please note when reserving)

**Flat Iron Steak** with Wild Mushroom Demi Glaze, Parmesan Herb Crusted Potatoes with Onion Compote and Seasonal Vegetables

**Pasta Primavera** with Seasonal Vegetables Sauteed in a Light Cream Wine Sauce

**Prosciutto Chicken** with Parmesan Herb Crusted Potatoes Baked Chicken Breast Topped with Prosciutto Ham, Fresh Parmesan Cheese and Topped with Sage Cream Sauce, Served with Seasonal Vegetables

Dinner Entree Includes Spring Salad, Warm Dinner Bread with Butter, Regular Decaffeinated Coffee and Tea Service

**TECHNICAL SESSION**

Submitted By: Matt Heil

**Humidity and enthalpy sensor accuracy and their impact on economizer performance.**

**Steve Taylor** will present this technical session topic, which he presented at the ASHRAE meeting in Orlando in January. Steve will include recently completed research on humidity sensor accuracy and drift over time, enthalpy sensor and switch accuracy, and the impact of the sensor error on economizer energy savings. The results are interesting and likely will result in controversial conclusions.

**PRESIDENTS MESSAGE**

Submitted By: Robb Stone

*The president's message did not make this printing. Look for a message next month!*

**Robb Stone**

2009-10 Madison ASHRAE Chapter President  
[stone@jdreng.com](mailto:stone@jdreng.com) (608) 277-1728

**MEMBERSHIP PROMOTION**

Submitted By: Dan Bergmann

We would like to congratulate **Nathan Hansen** and **Robert Sparks** as our new ASHRAE members. Please help us to make them feel welcome to our organization.

As always, we are continuing to update member's information. If your information has changed (for example: emails, work place, address, phone number, etc.), please either contact us or you can change it online. To change your information online go to [www.ashrae.org](http://www.ashrae.org), go to the "Members Tab" at the top left, click on "Manage Membership", and finally click "Address Change" in the center of the page. This will lead you to the link and you can update your information. Once again, if you send us your updated information, we are happy to take care of this for you, but we ask that you provide us with your member number, as we find that the process is accelerated when dealing with customer service.

Applications for new members can be filled out on line at [www.ashrae.org](http://www.ashrae.org), or I would be happy to email you an application. If you sign up online be sure to select the "Madison" ASHRAE chapter so you are assigned to the correct local chapter. If you know of anyone not receiving the Monthly INFORMAIRE please contact Mark Miller to be placed on the email distribution list.

**WEBCAST – APRIL 21st**

Submitted By: Society

**ASHRAE WEBCAST**

April 21, 2010 – 2:00 p.m. – 5:00 p.m. CST  
 "Right from the Start – Commissioning for High Performing Buildings"



ASHRAE's Chapter Technology Transfer Committee with support from ASHRAE's High Performing Buildings Magazine, will present a free Webcast, "Right from the Start – Commissioning for High Performing Buildings," on Wednesday, April 21, 2010.

This webcast will provide tools to help you overcome the hurdles of Commissioning, learn the "What, Why, When and Who" of the process, and how you can make it "business as usual." The panel of experts will outline how Commissioning supports a smoother construction process, maximizes the quality and persistence of energy and cost reductions, and provides a facility that operates as it was intended.

The program will:

- Dispel common myths about Commissioning
- Show you how to make the Commissioning process work for you
- Clarify how to avoid or reverse performance decay
- Demonstrate through Case Studies how Commissioning improves ROI

Thank you for supporting ASHRAE webcast programs.

**ASHRAE WINTER EXPO**

Submitted By: Mark Miller

**2010 AHR Expo Big in Attendance, Scope**

ORLANDO, Fla.—Orlando again proved to be a strong location for AHR Expo. Preregistered attendance totaled 23,909, 12% more than the preregistered attendance of the 2005 Show here. This number does not include 14,829 people registered as exhibitors, and the estimated 5,000-plus attendees who registered onsite. In terms of exhibit space, the Show was the eighth largest of the 62 stagings of AHR Expo with 354,454 square feet (8.14 acres) of net exhibit space. There are 1,826 exhibitors on the floor, including 370 international exhibitors and 209 who are exhibiting for the first time. ASHRAE is a cosponsor of AHR Expo, with the Air-Conditioning, Heating, and Refrigeration Institute (AHRI).

**ASHRAE WINTER EXPO con't**

Submitted By: Mark Miller

**AHR Expo Attendees Say 2010 to be Good Year**

ORLANDO, Fla.—Most AHR attendees say 2010 will be a good year for business and most think it will be better or much better than 2009.

Among findings:

- The best prospects for business are retrofit (54%) followed by maintenance (28%) and new construction (18%). Hospitals/health care is seen as the best market sector.
- 90% say they are interested in seeing products that are promoted as “green” or sustainable.
- 97% say they’re also interested in seeing products promoted as energy efficient.

These are among results of this year’s survey of pre-registered Expo attendees. Some 865 participated in the survey conducted in the first two weeks of January.

**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):

- **ASHRAE Publishes Update to Principles of HVAC**
- **ASHRAE Recognizes Outstanding HVAC&R Industry Achievements**
- **ASHRAE Specialty Conference to Focus on Improving School Facilities, Young Minds**
- **ASHRAE Technology Awards Highlight Outstanding Building Projects**
- **Changes Proposed for Standard 90.1 Address Metal Buildings**
- **Looking for Guidance on Standard 189.1? Visit [www.ashrae.org/greenstandard](http://www.ashrae.org/greenstandard)**
- **New Guidance on Clearing the Indoor Air through Improved IAQ**
- **Slash Urban Energy Use: ASHRAE Conference Offers Guidance on Cutting Energy Waste**
- **Standard 189.1 to Provide a Strong Foundation for High-Performance Green Buildings**

**MADISON ASHRAE CONTACTS**

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**PROGRAM SCHEDULE**

	<b>Topic</b>	<b>Location</b>	<b>Speaker (s)</b>	<b>Technical Session</b>	<b>Theme</b>
Sep 14	<b>Advance Energy Efficiency Guide for Existing Buildings</b>	<b>Doubletree Inn</b> Madison, WI	<b>Terry Townsend</b>	<b>Advanced Existing Building Energy Performance</b>	<b>Membership Night</b>
Oct 12	<b>Commissioning of a Geothermal Retrofit for Fort Atkinson School</b>	<b>Quality Inn &amp; Suites</b> Fitchburg, WI	<b>Manus McDevitt</b> <b>Sustainable Eng</b>	<b>Geothermal Systems</b>	<b>Student Night</b>
Nov 9	<b>Wind Tunnel Modeling in Mechanical System Design</b>	<b>The Coliseum Bar</b> Madison, WI	<b>Glenn Schuyler</b> ; VP of RWDI Canada	<b>Exhaust Dispersion for Exhaust Stack</b>	<b>Research Promotion Night</b>
Dec 14	<b>Use &amp; Abuse of Electronic Communications</b>	<b>Nakoma Golf Club</b> Madison, WI	<b>Bob Gregg</b> ; Boardman Law Firm in Madison WI	<b>None</b>	<b>Past Presidents</b>
Jan 11	<b>LEED Duct Design</b> (design, performance, & commissioning)		<b>Gerard Iacouzze</b> McGill AirFlow	<b>Sound Control and Duct Design</b>	<b>Student Night</b>
Feb 8	<b>Commissioning Biocontainment Facilities</b>	<b>Quality Inn &amp; Suites</b> Fitchburg, WI .	<b>Paul Stasiewicz, P.E</b>	<b>Humidity and Enthalpy sensor</b> -Steven Taylor	<b>Refrigeration</b>
Mar 8	<b>Construction Liabilities</b>		<b>Carl Sinderbrand</b> ; Partner Axley, Brynelson, LLP		<b>Joint Meeting / CTTC / Research Promotion</b>
Apr 12			<b>Julian de Bullet</b> <b>Distinguished Lecturer</b>		<b>Research Promotion Night</b>
May 10					
Jun 8	<b>Golf Outing</b>	<b>Stoughton Country Club</b>			<b>Social</b>

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(Address Correction Requested)

