



INFORMAIRE

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AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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www.ashraemadison.org

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SEPTEMBER

Submitted by: Manus McDevitt

DATE: MONDAY, September 13th, 2010

LOCATION: Quality Inn and Suites,
2969 Cahill Main, Fitchburg WI

TIME: 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: How ASHRAE 90.1-2010 Will Affect Your Projects

90.1-2010 Energy Standard for Buildings is the most significant revision to the ANSI/ASHRAE/IES energy standard since its inception. Buildings that comply with the 2010 edition will use approximately 25% less energy than the same buildings built to the 2004 standard. This seminar will teach you why 90.1-2010 is important to your projects, how it is enforced, what the major revisions are, when you are likely to feel its impact, why it conserves more energy than other energy codes, and how to comply without breaking the budget. 90.1-2010 includes significant revisions to the building envelope, mechanical, and lighting requirements that will affect architects, engineers, contractors, and building owners.

SPEAKER: Jeff Boldt, PE, LEED® AP, HBDP
Jeff Boldt, PE, LEED® AP, HBDP is a voting member of ASHRAE 90.1, which is the most adopted energy standard in the world. He chairs four 90.1 Working Groups - Healthcare, Hydronics, Drive System Efficiency, and Elevators; and is a member of the working groups for Radiant Heating and Cooling and Energy Recovery. Jeff is one of the authors of the Advanced Energy Design Guide for Small Healthcare Facilities, and recently provided DOE with 3D drawings for the AEDG - Large Healthcare. Jeff is a principal and Director of Engineering at KJWW Engineering, and serves as mentor and resource for KJWW's engineers. He has won ASHRAE's top design award, and has published many articles.

Please RSVP by [noon, Thursday, September 9th](#)

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PRESIDENTS MESSAGE

Submitted By: Matt Heil

Welcome to another exciting year of ASHRAE! Manus has started us out with a great meeting topic on ASHRAE 90.1-2010. Jeff's volunteer efforts have helped ASHRAE to create an energy standard that will be used for generations to come. We hope to see you at the meeting!

The Board of Governors (BOG) has met twice already this summer and started working on goals and the budget for the upcoming year. Some of the goals/changes for the upcoming year include:

- Offer continuing education certificates for some of the technical and/or chapter speakers.
- Have a dedicated social time again since the social time was not happening between the technical sessions and chapter meeting last year.
- Have about 50% of the meetings consist of technical sessions.
- Concentrate on the YEA (Young Engineers in ASHRAE) committee more this year.
- Revisit our chapter bylaws/constitution and ensure that we are following them.
- Update our chapter bylaws/constitution if it makes sense to do so.
- Increase our PAOE points from last year.
- Increase awareness of the regional and society levels of ASHRAE.
- Increase participation of members in Chapter committees.

For additional details, please take the time to read the BOG meeting minutes and other committee reports.

These are great goals to have, but your Board of Governors and committee chairs cannot do this alone. We need your help. Each month we will highlight committee activities from one or more of our committees. If you feel you can contribute to one of these committees please consider giving a little of your time by contacting a committee chair, a BOG member, or giving me a call.

We are looking for a YEA chair. Chris Stephan has chaired this for three years and he is ready to help someone else that may be interested in this position. Please contact me if you are interested. To learn more about YEA for engineers 35 years old and younger, go to www.ashrae.org under Members/YEA.

I would like to close by thanking all of the volunteers who have agreed to serve on committees and the BOG. That is what ASHRAE is all about!

Hope to see you September 13th,

Matt Heil

2010-2011 Madison ASHRAE Chapter President
Continued on next page

SEPTEMBER MEETING

Con't

Dinner Choices:

Flat Iron Steak

6oz. Flat Iron Steak Served with Onion Compote and Seasonal Vegetables

Pasta Primavera

Pasta with Seasonal Vegetables Sautéed in a Light Cream Wine Sauce

Prosciutto Chicken

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

*The registration fee for attending this presentation is \$30 for non-members and \$20 for ASHRAE Madison Chapter members, which includes the meal. There is no cost for students. Please make checks payable to **Madison ASHRAE Chapter**. To make reservations, log-in at the following website:*

[**REGISTER 9-12-10**](#)

The website is preferred for reservations, but you can also contact Kay Nachreiner at madisonashrae@gmail.com or by phone at (608) 836-4488 ext 10.

ASHRAE ANNOUNCEMENTS

Submitted By: Scott Hackel

ASHRAE has announced the following which may be of special interest. Refer back to ASHRAE Press releases, or the ASHRAE Journal for more information.

Papers Sought for 2011 Annual Conference

Papers addressing advances in alternative technologies and net zero buildings as well as HVAC&R fundamentals and commissioning are being sought for the 2011 ASHRAE Annual Conference in Montreal. Other conference tracks include Engineering Tools, Professional Skills and Refrigeration. The deadline for paper submissions is Sept. 17, 2010. The 2011 Annual Conference takes place June 25–29.

ASHRAE Introduces Its First iPhone App

Calculating ventilation rates just became a little easier with a new iPhone application designed specifically for an interactive calculation spreadsheet related to ASHRAE's ventilation standard.

Developed for Apple's iPhone, iPod touch and iPad, the ASHRAE Standard 62.1 app allows for convenient calculations while in the field, performing the outdoor air calculations found in the Ventilation Rate Procedure and the interactive 62MZCalc spreadsheets contained in the ASHRAE User's Manual for Standard 62.1, Ventilation for Acceptable Indoor Air Quality.

REGION VI

Submitted By: Mark Miller

Region VI of ASHRAE consists of eleven chapters through the upper Midwest and is led by regional Officer's who represent and support the chapter operations. Often, these positions are not well understood, therefore Region VI Director and Regional Chairmen, Tina Bruckner has instilled in the other Officer's to reach out to the Chapters of the Region and offer support to the chapters. Throughout this year, the Region VI website will be updated with new content from the Regional Officers to provide information about the committees of which we are serving and report to the region membership. So to start the year, we would like to introduce, (or re-introduce) you to the regional website, the chapters in our region and the Regional officers.

www.ashrae6.org/

Chapter in Region VI:

- [Cedar Valley Area](#)
- [Central Illinois](#)
- [Illinois](#)
- [Iowa](#)
- [La Crosse Area](#)
- [Madison](#)
- [Minnesota](#)
- [Mississippi Valley Area](#)
- [Northeast Wisconsin](#)
- [St Louis](#)
- [Wisconsin](#)

DRC – Tina Brueckner, Northeast Wisconsin Chapter

ARC – Robert Linder, Minnesota Chapter

Treasurer – John Day, St. Louis Chapter

Historian – Paul Melton, Iowa Chapter

CTTC – Corey Metzger, Iowa Chapter

Membership Promotion – Mark Miller, Madison Chapter

Research Promotion – Craig Johnson, Minnesota Chapter

Student Activities – Andrew Price, Mississippi Valley Chapter

Electronic Communications – Eric Granzow, Cedar Valley Area Chapter

Young Engineers in ASHRAE – Benny Skelton, Illinois Chapter

MEETING MINUTES

Submitted By: Carol Mori

The latest meeting minutes will be found at this location. Updates of this past summer's meetings will be posted here next month.

Thanks. *Carol Mori*

ASHRAE ANNOUNCEMENTS

Submitted By: Mark Miller

ASHRAE announcements which have been released this past summer are outlined below. To find out more about them, search them out at ashrae.org/pressroom/:

- **Assessment Finds Advanced Energy Design Guide Series Advances Energy Savings**
- **What's Your Building EQ? Pilot Program Buildings About to Find Out!**
- **14 Projects Funded: Smart House Developed Through ASHRAE Grant**
- **Protocols for Performance Measurement Offered by Leading Building Groups**
- **ASHRAE, Japan Society of Refrigerating and Air-Conditioning Engineers Advance Mutual Interests**
- **Resolution, Briefings, Congressional Visits Featured in High-Performance Building Week**
- **2010 ASHRAE Ventilation Standard Brings Breath of Fresh Air to Industry**
- **ASHRAE President Receives Recognition from Congressional Caucus Coalition**
- **ASHRAE Publishes 2010 Residential IAQ Standard**
- **ASHRAE Handbook: A Reliable Resource for Refrigeration**
- **Outstanding Achievements Recognized at ASHRAE's Annual Meeting**
- **ASHRAE Introduces Its First iPhone App**
- **ASHRAE Earns EPA's ENERGY STAR® for Superior Energy Efficiency**
- **Standard 90.1: Setting the Energy Foundation in Buildings for 35 Years**
- **Raising Energy Efficiency Highlighted at ASHRAE Meeting**
- **ASHRAE President Testifies on Optimizing Federal Building Efficiency at Congressional Subcommittee**
- **ASHRAE Names New Distinguished Lecturers**
- **ASHRAE's 2011 Annual Conference Seeks Papers on Alternative Technologies, Engineering Tools, Net-Zero Buildings**
- **Standard 90.1 Featured in ASHRAE Fall Educational Courses**
- **ASHRAE, NEMA Partner on Standard to Create Facility Smart Grid Model**
- **ASHRAE Encourages States to Meet Current Building Energy Codes**

The Energy Center University

Submitted By: Scott Hackel

HVAC Technology Enhancements and Design Solutions

Presenting faculty: Ryan Hoger, LEED AP

HVAC systems are major retrofit targets for reducing energy use in commercial buildings. Heating, cooling and ventilating taken together account for 45% to 70% of the building's energy use. In comparison, lighting ranges from 10% to 30% of energy use in a commercial building. While energy use in buildings is affected by climate, building type, and building usage, optimizing the HVAC system can yield significant energy savings

BENEFITS OF ATTENDING:

Participants will learn how to identify HVAC system energy savings. They will learn about the interaction of the building envelope and lighting systems with HVAC and what technologies and strategies are available to improve their systems.

WHEN/WHERE

September 14, 2010
 Holiday Inn Hotel & Suites
 1109 Fourier Drive, Madison, WI 53717
 608.826.0500

COURSE OUTLINE

- HVAC investigation survey
- Improving building envelope and lighting
- HVAC improvements
- Programmable thermostats
- Outdoor air economizers
- Zoning systems
- Occupancy sensors
- Building automation systems
- VFDs
- ERVs
- Geothermal systems
- Chiller retrofits

AGENDA

8:00 am: Registration and Continental Breakfast
 8:30 am–4:30 pm: Program

MADISON ASHRAE CONTACTS

OFFICERS:

PRESIDENT:	Matt Heil	mheil@henneman.com
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PROGRAM SCHEDULE

	Topic	Location	Speaker (s)	Technical Session	Theme
Sep 13					
Oct 11					
Nov 8	<div style="border: 1px solid black; padding: 20px; width: fit-content; margin: auto;"> <p style="font-size: 1.2em; margin: 0;">Look for the complete schedule next month</p> </div>				
Dec 13					
Jan 10					
Feb 14					
Mar 14					
Apr 11					
May 9					
Jun 13	Golf Outing				Social

ASHRAE Madison Chapter
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 Madison, WI 53718

(Address Correction Requested)

