



# INFORMAIRE

JOURNAL OF MADISON, WISCONSIN CHAPTER  
 AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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**SEPTEMBER MEETING *Student Night/RP***

Submitted by: Tim Meeker

**DATE:** MONDAY, October 8th, 2007

**LOCATION:** Best Western - InnTowner  
 2424 University Avenue  
 Madison, WI 53726

**TIME:** Social Gathering 5:00 to 6:00 p.m.  
 Dinner 6:00 p.m.  
 Program Presentation 6:45 to 7:45 p.m.

**TOPIC:** ASHRAE, Research and UW - Madison

Dr. Shedd, Associate Professor at UW – Madison, will be discussing recent ASHRAE Research projects performed at UW-Madison, as well as how the UW-Madison facility and staff are involved in ASHRAE at the international level.

The discussion will include an overview of energy systems research at the UW, encompassing solar energy, cryogenic systems, industrial refrigeration, building system thermal modeling, as well as experimental work on the fundamentals of two-phase flow and heat transfer.

**SPEAKERS: Dr. Timothy A. Shedd**

Dr. Shedd is an assistant professor of mechanical engineering at the University of Wisconsin-Madison. His research interests include multiphase flow and heat transfer. Recent projects include the study of processes that are important to household and automotive air conditioning systems, refrigeration and steam-driven power generation. He has been recognized with the Campus Award for Excellence in Public Service by the University of Illinois at Urbana-Champaign, two Mechanical Engineering Professor of the Year awards from University of Wisconsin student organizations, a National Science Foundation CAREER Award and a New Investigator Award from ASHRAE. He holds a bachelor's in electrical engineering from Purdue University, and a master's and doctorate in mechanical engineering from the University of Illinois at Urbana-Champaign.

**RSVP:** Please RSVP (email) to Tim Meeker at JDR Engineering: [meekeer@jdreng.com](mailto:meekeer@jdreng.com). You can also call at (608) 277-1728, ext 105. Please RSVP no later than **5:00 p.m. Wednesday October 3rd.**

*(See meeting info on following page)***PRESIDENTS MESSAGE**

Submitted By: Gene Nelson

**W**e are off to a great start. We had 56 members and guest attend our first meeting/tour at WECC. We would like to thank WECC for hosting the meeting and offering a tour of their new facility. We would also like to thank Chuck Sasso and Zach Obert for excellent presentation.

This month's meeting is 'Student Night'. Come and support our students. Used Handbooks are always welcome. Please bring your old handbooks to the meeting and give them to Wayne Prior. He will distribute them to the students. The GAME committee is encouraging us to "green" up our meetings. Consider sharing a ride, walk, or bike to the meeting.

The YEA Committee is up running. Please read the article in this month's newsletter. If you are under 35 and are interested in getting involved, please contact Chris Stephan or Chad Grindle for more information. Also see ASHRAE's web page at [www.ashrae.org/members/page/861](http://www.ashrae.org/members/page/861).

Mark Miller is busy with publishing the next "Product Directory/Membership Director". He could use a hand in proofing the master before it goes to print. If you have a little etime, please contact Mark at [mark.miller@mail.ashrae.org](mailto:mark.miller@mail.ashrae.org).

Hope to see you October 8th,

**Gene Nelson**

2007-08 Madison ASHRAE Chapter President



September Meeting

Fran Scholl

## SEPTEMBER MEETING

**Con't**

### Dinner Info for the September Meeting:

**Dinner:** **Pasta Buffet:** Stuffed Shells, Beef Ravioli and Pasta with Sauce Garden Salad, Italian Salad, Vegetables and Breadstick Coffee, Tea and Milk

Current local Members and Students may attend at no cost. The cost for non-members and delinquent paying members is \$30 for the dinner, tour and presentation. This can be paid at the door. Please make checks payable to Madison ASHRAE Chapter.

**The Madison Chapter "No Show" Policy:** In an effort to control meeting costs, members who fail to show and fail to chance 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: Robb Stone, c/o JDR Engineering, 2939 S. Fish Hatchery Road, Suite 100, Madison, WI 53711.



## CTTC

Submitted By: Brian Basken

The CTTC committee is developing a half-day technical program for spring 2008. The subject of this technical program will be legal issues in our industry. Our goal is for this program is to provide useful information for vendors, contractors, designers, and Owners. Please contact Brian Basken with recommendations of specific topics or potential presenters. More information about this program will be provided in future ASHRAE Newsletters.

## YEA

Submitted By: Chris Stephan

### Attention Young Engineers...

**T**he Madison ASHRAE chapter is beginning a program designed just for you. Young Engineers in ASHRAE (YEA) is a subcommittee created to enhance the member benefits of young professional engineers age 35 and younger. YEA will give you an opportunity to meet and interact with other young professionals with activities and services focused on the experience and needs of its members. Be on a lookout for more information about upcoming activities.

For more information contact: Chris Stephan ([cstephan@erdman.com](mailto:cstephan@erdman.com)) or Chad Grindle ([cgrindle@fw.com](mailto:cgrindle@fw.com))

## CTTC: Industry Update

Submitted By: Mike Gall

**A**s of last week Friday, a very large news item came out regarding the accelerated phase out of R22 refrigerant and R123 refrigerant (HCFC's). The Montreal Protocol parties had met again (191 countries, including the U.S.) and collectively decided to accelerate the phase out of all HCFC's to 2020 and to reduce the production of these refrigerants proportionally before then (whereas previously, stockpiling the refrigerants was acceptable). The attached website from the US State Department summarizes the findings.

<http://www.state.gov/r/pa/prs/ps/2007/sep/92598.htm>

## STUDENT ACTIVITIES

Submitted By: Wayne Prior

**O**ctober is our first meeting honoring the students. We are inviting the students interested in the HVAC industry from the Madison and Platteville Campus to join us. We typically give out past ASHRAE handbooks to the students who come. We are looking for your old ASHRAE hand books to be passed on to the student members. If you have any handbooks collecting dust on your shelf I am asking you to bring them to the April meeting or give me a call (Wayne Prior @ 288-8338) and someone will pick them up. Your donation is greatly appreciated.

We are looking for companies interested in hiring students on a part time bases or as an intern. These students can pay for them selves with little guidance. If you can use some help keep them in mind. You can call me and I will help connect you with a student.

## LEED CERTIFIED

Submitted By: Eric Truelove

**D**ear Green Community:  
The Renschler Company was just awarded a LEED Silver by the USGBC for the new Home Savings Bank branch located on East Washington Avenue in Madison. Linville Architects was the architect of record and The Renschler Company built the facility, provided all of the LEED paperwork, building commissioning, and energy modeling. This is the second LEED Silver received for a building constructed by The Renschler Company (the first was the RenewAire Renovation) and is one of only three buildings in Madison to get this award. Of the three Renschler buildings submitted for LEED certification in 2004/2005, all three are certified with two of those receiving a Silver award.

Thank you all for your support!

## MEETING MINUTES

Submitted By: Matt Heil

The Board of Governors meeting minutes for September have been issued and posted on the Madison Chapter website. Please refer to them at the respective link:

[Madison BOG Minutes 2007-09-10](#)

If you have trouble, contact me directly at [mheil@henneman.com](mailto:mheil@henneman.com). Thank you.

## GAME

Submitted By: Sharon Gould

**W**e got off to a solid start with a “green” location and a topic covering the state’s energy efficiency programs. We will be searching for other great locations for upcoming events; if you have a location that you feel would be would fit GAME criteria please submit to: [sgould@franklinenergy.com](mailto:sgould@franklinenergy.com). At the next meeting we will begin giving away door prizes for car pooling and other energy saving means of transportation. Also we will begin collecting money for meeting carbon offsets.

### Project highlight:

This program supports sustainable and energy efficient building design in affordable housing market.

Parmenter Circle, a \$6.3 million, 50-unit apartment building in Middleton has been awarded the first Green Communities Grant in Wisconsin. Green Communities goal is for the public to live in a building that integrates materials and methods to promote environmental quality to reduce the impact on water quality, air pollution and the depletion of natural resources – while simultaneously lowering operating costs and maintenance needs.

Some of the features include, high efficiency heating and cooling systems, a well insulated envelope, energy star windows and fluorescent lighting through out. They were aggressive in using lighting controls in new ways to help reduce the energy costs of the building. The energy model required to prove compliance to ASHRAE Standard 90.1 2001, one of the Green Communities requirements, showed that it exceeded the energy budget allowed by over 40%, using standard HVAC technology. This building is a leader in the multifamily market, using existing technology to its fullest potential, and raising the bar for other buildings in the community. There are many ways to improve our new building stock, and this project is one of the leaders in this market. Many community partners contributed to this success.

**I want to congratulate Nakoma Development, LLC for a job well done!**

## MADISON ASHRAE CONTACTS

### OFFICERS:

PRESIDENT:	Gene Nelson
PRESIDENT-ELECT:	Tim Meeker
TREASURER:	Robb Stone
SECRETARY:	Matt Heil
PAST PRESIDENT:	Chad Faber
BOARD OF GOVERNORS:	Mike Gall Manus McDevitt

### COMMITTEES:

CRC DELEGATE:	Chad Faber
CRC ALTERNATE:	Gene Nelson
CTTC:	Brian Baskens
PROGRAM:	Tim Meeker
GAME	Sharon Gould
REFRIGERATION:	Tom Riley
GOLF:	Michel Robert Doug Bergmann
HISTORIAN:	Fran Scholl
MEMBERSHIP:	Dan Bergmann
NEWSLETTER:	Mark Miller
RESEARCH PROMOTION:	Chad Faber
SCHOLARSHIP:	Mitch Hagens
STUDENT ACTIVITIES:	Wayne Prior
WEBMASTER:	Brian Utching



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### Complying with ANSI/ASHRAE/IESNA Standard 90.1-2004 HVAC/Mechanical

Wed, September 26, 2007 – 1:00 p.m. to 4:00 p.m.

Mon, October 22, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Mack Wallace, P.E.

### Humidity Control I – Basic Principles, Loads and Equipment

Mon, October 15, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Lew Harriman, P.E.

### Complying with Requirements of Standard 62.1-2004

Wed, October 24, 2007 – 1:00 p.m. to 4:00 p.m.

Mon, November 19, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Hoy Bohanon, P.E.

### An Introduction to BACNet®

Wed, November 7, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** David Fisher, P.E.

### Natural Ventilation

Thurs, October 4, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Frank Mills, P.E.

### Humidity Control II – Applications, Control Levels and Mold Avoidance

Wed, October 17, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Lew Harriman, P.E.

### Understanding & Designing Dedicated Outdoor Air Systems

Wed, October 31, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Stanley Mumma, Ph.D., P.E.

### Introduction to Green Buildings and Sustainable Construction

Wed, November 14, 2007 – 1:00 p.m. to 4:00 p.m.

**Instructor:** Joy Altweis, P.E.



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## ASHRAE Publications



### ASHRAE STANDARDS:

#### Standard 52.2-2007

Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size (ANSI Approved)

Product Code: 86143

Price: \$39 / ASHRAE Member Price: \$32

#### Standard 62.1-2007

Ventilation for Acceptable Indoor Air Quality (ANSI Approved)

Product Code: 86155

Price: \$65 / ASHRAE Member Price: \$52

#### Standard 62.2-2007

Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (ANSI Approved)

Product Code: 86158

Price: \$39 / ASHRAE Member Price: \$32

#### Standard 90.2-2007

Energy Efficient Design of Low-Rise Residential Buildings (ANSI Approved)

Product Code: 86239

Price: \$95 / ASHRAE Member Price: \$76

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**PROGRAM SCHEDULE**

	Topic	Location	Speaker (s)	Theme
Sep 10	USGBA and LEED Certified Construction	WECC Headquarters	Zack Obert Chuck Sasso	
Oct 8	ASHRAE Research and UW Madison	Best Western InnTowner	Dr. Shedd	Student Activities & RP
Nov 12				
Dec 3		Nakoma Golf Club		Social
Jan 14				
Feb 11				
Mar 3				
Apr 14				
May 12				
Jun 8	<b>Golf Outing</b>	Stoughton Country Club		Social

ASHRAE Madison Chapter  
 c/o Temperature Systems, Inc.  
 P.O. Box 8030  
 Madison, WI 53708-8030

(Address Correction Requested)

