

THE BADGERAIRE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.



April Chapter Meeting

Central Plant Optimization

Date: Thursday, April 28th

Times

5:30 P.M. Gathering

6:15 P.M. Dinner

6:30 P.M. Presentation

Where: Joey Buona's Downtown, 500 N. Water Street, Milwaukee, WI 53202

What and Who: CENTRAL PLANT OPTIMIZATION - *Ben Erpelding* (Director of engineering, Optimum Energy) and Dave Klee (Director of Marketing & Strategy, Johnson Controls) will speak on the topic of *Central Plant Optimization (CPO)*. CPO is getting more popular in new and existing buildings, but there's a lot of confusion regarding what it really is and what's needed to make it work.

Ben and Dave will present the key pieces of a best-in-class CPO implementation, and step us through the process required to achieve persistent savings through CPO. They'll present on why variable primary flow plants are the way to go, and share some characteristics of the latest software, user interfaces & dashboards for CPO.

Registration: Please register online at www.ashrae-wi.org



President's Column

I would like to start this month's newsletter by reiterating the commitment that we, the Board of Governors, have taken to provide informative and insightful meetings throughout the course of the year. Over the last several months we have tried to strengthen our membership numbers and encourage both members and non-members to attend the monthly meetings. It is only through your engagement and participation that we will continue to grow and positively impact our industry as a whole.

Our March Chapter meeting was dedicated to ASHRAE Research and included several technical discussions on a variety of topics. I would like to thank all of our presenters and acknowledge Randy Sikkema for his efforts in organizing and ensuring that this Research promotion was a success. As our industry continues to evolve and develop new technologies, it only underscores the importance of ASHRAE Research and the impact it has on all of us today and in the future.

The upcoming April meeting will be held April 28th at Joey Bouna's at 5:30pm and will be a presentation on Central Plant Optimization. The presentation will center around optimizing the performance of chiller plants and the impact this has on operational savings. For those interested in attending, please register at our local ASHRAE website (www.ashrae-wi.org/reservations.html)

Please feel free to contact me or other Board of Governors members with comments or questions about our Chapter.

James Burke
President ASHRAE - Wisconsin Chapter

April Meeting Table Top

Jim Sadler from *Mason Industries* and the Fluid Handling folks will demonstrate principles of vibration isolation using a table top operating display.



Mike Stram Golf Outing, June 6th- Reservations Close May1!

All members are encouraged to attend this annual event, which serves as the main fundraiser for our Gustave A. Larson Scholarship Fund. In case you missed or misplaced the mailing from JMB, it is included at the end of this newsletter.

May Meeting/Tour: Early Registration Required

The board would like to request your early registration for the May Chilled Beams Session and Tour, UW Madison Education Building. We need to arrange transportation, so please register this week. ***Please register online now at www.ashrae-wi.org.***

When May 19, 2011

3:00 Gather for bus ride to Madison

5:00 Presentation and Tour

6:15 Bus ride to Milwaukee

7:45 Dinner (optional)

This is the first major installation of its kind in the state. Learn about the design considerations and the control process for this concept that is quickly growing in popularity due to the efficiency gains and LEED potential. We will be picking a central gathering place, and renting a bus to transport attendees to and from the meeting.



Fun: June Kickball Tourney Fast Approaching

We continue to prepare for the tourney by trying to find a park that will let us lock up their diamonds for the better part of the day. We will get final details to you shortly but start planning your co-ed team for this fun event. If your firm does not have sufficient members for a team, why not team up with another company and meet some others from our industry?

Careers: Don't Forget the ASHRAE Career Center

Did you know that you can post a resume, search jobs, research employers, and advertise for employees at the ASHRAE Career Center? Check out www.ashraejobs.com for details



Education

ASHRAE Announces Spring Online Course Series

Relax and learn with your feet up while sipping your favorite beverage. See the links below for an impressive array of online courses from headquarters:

<https://www.ashrae-elearning.org/>

<http://www.ashrae.org/education/page/2740>

Madison Based Training Opportunities:

New eQUEST Training Series in Madison, WI, May 3-5. For details, Control-Click on this link:

www.ecw.org/equest

Introductory and Intermediate eQUEST...the Quick Energy Simulation Tool

Presented by Keith Swartz, P.E., LEED AP and Marlin Addison

Tuesday, May 3-4, 2011 in Madison, WI

<http://www.ecw.org/university/ecuevent.php?ecuid=378>

Explore the effects of design decisions on building energy consumption, energy demand, and energy cost. The eQUEST energy modeling tool provides various levels of user sophistication and functionality, making it useful for "big picture" early design decisions as well as the detailed fine-tuning of advanced building systems. For more information or to register online, [click here](#).

LEED Energy Modeling with eQUEST*

Presented by Amanda Bogner, P.E., LEED AP
Thursday, May 5, 2011 in Madison, WI

<http://www.ecw.org/university/ecuevent.php?ecuid=380>

This course presents an in-depth overview of ASHRAE 90.1-2007 Appendix G and demonstrates how to develop baseline and proposed case models using the eQUEST energy analysis software. Common LEED documentation pitfalls will be discussed, along with tips on how to submit a successful energy model for LEED review. For more information or to register online, [click here](#).

****Prerequisite***

Attendance at [Introductory and Intermediate eQUEST](#) or intermediate knowledge of eQUEST from prior experience.

Cost

The registration fee for attending *LEED energy modeling with eQUEST* is \$289, which includes continental breakfast, refreshments, lunch, and program materials. Attend the three day series of eQUEST trainings for the discounted rate of

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\$799!

Accommodations

Holiday Inn Hotel & Suites [map and directions](#)

1109 Fourier Drive

Madison, WI 53717

608.826.0500

A block of rooms is available at a special group rate of \$99/night. To make your reservation call the Holiday Inn Hotel & Suites at 608.826.0500 by April 22, 2011. Be sure to mention Energy Center of Wisconsin room block when making your reservation to guarantee this rate.

Register Now

Questions? Contact:

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Email: dvigliotta@ecw.org

Web: www.ecw.org

Upcoming Chapter Meetings-Mark Your Calendars!

MEETING DATE / TIME	LOCATION/TIME	TOPIC	SPEAKER
Thurs, April 28,2011 5:30 P.M.	Joey Buona's 500 N Water Milwaukee	Central Plant Optimization	Ben Erpelding and Dave Klee
May 19, 2011 3:00 PM-9:00 PM	Bus Tour to UW Madison	Tour Education Bldg to See 1 st Major Chilled Beam Installation in Wisconsin	Tour Leader to Follow
June 6, Mike Stram Golf Outing	Muskego Lakes CC	Golf and Food	See Page 10 for Details
June, TBA	TBA	Kickball Tournament	Make Jahner, Coordinator

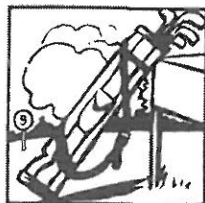
Other Chapters

For details regarding **surrounding chapter** meetings see:

- o Northeast Chapter <http://www.newwisconsinashrae.org/>
- o Madison <http://www.ashraemadison.org/>
- o Illinois www.illinoisashrae.org.

Wisconsin Chapter Officers and Committee Chairs

President	James Burke
Vice President	Justin Patrick
Secretary	Tim Pann
Treasurer	Jason Leffingwell
Refrigeration	Phil Golden
Membership	Jeff Weis
Research and Promotion	Randy Sikkema
Student Chapter Coordinator	Ryan McNally
Historian	Maggie Roll
Editor	Bill Armstrong
Governor at Large	Brian Lynch
Website and Badgeraire Distribution	Steve Hagman



10th Annual Wisconsin Chapter ASHRAE

Mike Stram Open

Monday, June 6, 2011

Muskego Lakes Country Club
S100 W 14020 Loomis Road (Hwy 36)

Muskego Lakes, WI

(414) 425 - 6500

Afternoon Activities:

Lunch

Shotgun Start - Golf (Scramble) 11:00am
12:00 pm (Sharp)

Evening Activities:

Cocktails

4:30 pm

Dinner

5:30 pm

Costs:

Lunch & Golf & Dinner \$100.00

Dinner Only \$35.00

Lunch & Golf Only \$70.00

Following the event there will be a cash bar, dinner, and the awarding of door prizes. Be sure to hand in your golf scorecards.

Important!

The committee would appreciate it if you make your

reservations for no later than May 1, 2011.

Golf Package:

Greens Fees - Cart Fees - Club Valet - Starter & Rangers
Locker Rooms

Private Grill lunch before registration Included

Hamburgers or Chicken Breast Sandwiches,
Cheeses, Chips & Fixings

Buffet Dinner Menu:

Chef Carved Beef Tenderloin

Chicken Parmesan

Warm rolls,

Tossed Dinner Salad with Dressings,

Chef's choice of two cold salads, one hot vegetable, and one type of Potato and Brownies..

Sponsorship for Door Prizes strongly encouraged! Contact Joe Schmidt for more information!

Major Sponsor: \$1500

Gold Sponsorship: \$500

Silver Sponsorship \$350

Bronze/Hole/Green Sponsor \$200

Beverage Cart Sponsorship \$1000

All sponsorships include recognition signs appropriate for each level.

Company:

Address:

City, ST, Zip:

Tel.: () - - Fax: () - -

Email:

Include with payment charges - (dinner, golf) and make checks payable to: ASHRAE ENTERTAINMENT COMMITTEE;

c/o Joe Schmidt (JMB & Associates)

N50 W13906 Overview Dr

Menomonee Falls, WI 53051

For More Information, call (262) 432-0630 Fax: (262) 432-0635

All Charges are Due by May 1, 2011

Names (First & Last. Please Print):	Golf & Dinner (\$100)	Dinner Only (\$35)	Lunch & Golf Only (\$70)	Sponsorship Level	Total
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
Totals					

Please Use Back for Additional Players