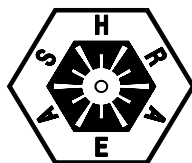


THE BADGERAIRE

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

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A PUBLICATION OF THE WISCONSIN CHAPTER OF ASHRAE

Volume Number 2008.9-V – February, 2009

February 26, 2009 Program – Wisconsin Code Review

Please join us for our February ASHRAE Meeting as we have the honor of hosting the ASHRAE Distinguished Lecturer Carl Lawson. Carl has gratefully agreed to provide two presentations to our Chapter titled 1.) Operation and Maintenance of HVAC Systems for Improved Comfort and Air Quality and 2.) Commissioning as Usual.

The first presentation will discuss the concern of indoor air quality and provide a new perspective on the topic discussing proper preventative maintenance and how to reduce the potential for poor indoor air quality through a proper maintenance program. Items related to IAQ that will be evaluated include the location of outside air intakes, air-handling systems, cooling towers, etc. The second presentation will look at commissioning, specifically where it came from and where it is going. Discussions will include why you can't afford not to do commissioning, the business of commissioning, how to get started in the business, and some of the processes that must be done along the way. After exploring the area of the concept, the evaluation phase will be discussed and explained in detail. Finally, through an analysis of the deficiencies in the performance and economic parameters, we will look at the theory of operation and maintenance and how commissioning will benefit those areas.

These presentations should be great for Engineers, Designers, Contractors, Representatives, and Owners. Bring a guest and all your questions along; we hope to see you there.

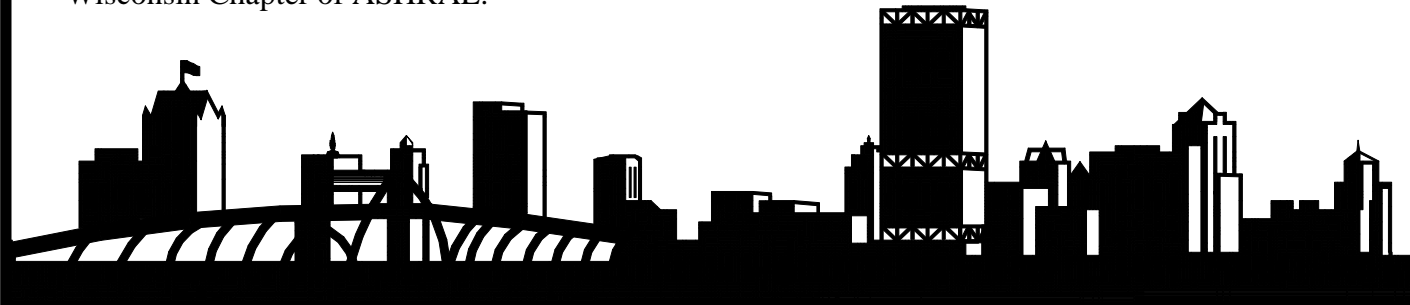
Program Location

Alioto's – 3041 N. Mayfair Rd (Downstairs)

Meeting Registration:	3:30 PM
Presentation #1 (Operation and Maintenance of HVAC Systems):	4:00 PM – 5:00 PM
Social Break:	5:00 PM – 5:30 PM
Presentation #2 (Commissioning as Usual):	5:30 PM – 6:30 PM

Please RSVP on our website at www.ashrae-wi.org

Prices: The program cost is \$20 for non-members and no shows. There is no cost for Wisconsin Chapter ASHRAE members who have paid their local dues. Checks should be made payable to the "Wisconsin Chapter of ASHRAE."



PRESIDENT'S COLUMN

February is upon us and ASHRAE Distinguished Lecturer Carl Lawson will present two discussions for us this month. The first topic will be "Operation & Maintenance of HVAC Systems for Improved Comfort". The second topic will be "Air Quality and Commissioning as Usual". Please try to take time out of your busy schedules to join us February 26, 2009.

As always, the Board of Governors is working hard to plan interesting meetings for our membership. If you would be interested in joining the board, please contact me. We are looking for more people to help plan the upcoming year's programs.

Next month we will be having a program on Focus on Energy. This topic is one that we have not discussed in a few years, and it will be nice to have a presentation on the rebates available.

Planning has started for our upcoming CRC in 2010. We are looking for more help with this committee and would love to hear from you. Please contact either Dave Grassl (dgrassl@ringdu.com) or Mike Jahner (michael.jahner@marquette.edu) for more information on how you can help. Donation requests will be in the mail soon! ☺

Maggie Roll
Wisconsin Chapter of ASHRAE President
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414.778.7422

ABOUT OUR LECTURER:
CARL N. LAWSON
Hanson Professional Services
West Palm Beach, Florida

Carl N. Lawson is a Commissioning Authority for Hanson Professional Services. Mr. Lawson has been involved in the ASHRAE Commissioning Process since 1984 and has

remained active on the respective committees since that time. He has been involved in the commissioning process since 1962 when it was called "Total Quality Management". Over his career he has been involved in design, construction and owner representative. Prior to joining PWI, he was responsible for the commissioning process at Duke University Medical Center.

He has commissioned hospitals, medical clinics, prison laboratories, high tech facilities, medical office buildings, and office buildings projects in the U.S. and abroad. He has been responsible for developing a large number of the protocols that used today in the commissioning industry. Mr. Lawson is a pioneer in the commissioning industry and a frequent lecturer on the process. In 2000 he was awarded the Benner Award for his dedication to the commissioning process. He has also received the ASHRAE Distinguished Service Award. From 1984 to 2000, he taught the Commissioning Course at the University of Wisconsin and now an instructor for the Commissioning Course taught by the Building Commissioning Association.

Mr. Lawson has been a contributor to three books; *Indoor Air Quality* published by AEE, *The HVAC Design Process* published by ASHRAE, and the latest, *The Hospital and Clinic Design Guide*, published by ASHRAE. He has also published numerous articles in the *ASHRAE Journal* and presented numerous papers and seminars at the ASHRAE Annual and winter meetings.

Mr. Lawson is an ASHRAE member, a member of the Handbook Committee, and Chair of Committee for the ASHRAE Position Document on Mold and Mildew. He is a member of GPC-1, HVAC Commissioning, and a member of TC 7.12, Building Commissioning. He has also served as a member of the Standards, Program, Journal and Insights, and Special Publications Committees.



"science for sustainable environments"

Completed Research

Did you know that all ASHRAE Members can download Research Reports from the ASHRAE Website? Visit:

<http://www.ashrae.org/myashrae/default.asp?url=/publications/page/1424>

You will be asked to login. From there you can enter a Research Project number or click on the option to Browse Available Research Reports. There are pages of title listings! Your browser likely has a 'Find' function that you can use to search for key words to get you to projects of your interest.

Also, check your issue of ASHRAE Insights for a summary of Completed Research that includes the Project Number. The January Issue describes projects involving Chiller Diagnostics, Low Humidity Limits for Comfort, Building Energy Performance Rating Systems, Combined PV & Thermal Solar, Door Leakage, and Compact Heat Exchangers – great stuff!

\$10 Campaign

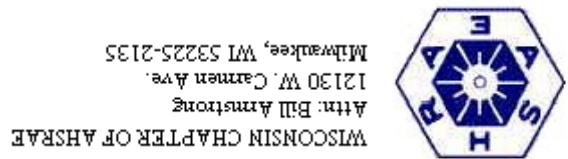
Times are tough. Your expertise empowered by new technologies to create high performance buildings, new and retrofit, is critical. Our \$10 Campaign is intended to raise awareness of ASHRAE Research while we all invest to make it even more valuable. Are you invested?

Remember we will recognize all donations of \$10 or more in the Badgeraire – please thank our already expanded list of investors.

For information, or to contribute, contact:
 Jude Anders (jaonthe-shoreline@yahoo.com)
 ASHRAE Wisconsin Chapter
 Research Promotion Chair

Chapter Research Investors 2008-2009 Campaign

Golden Circle (\$10,000 and above)
ASHRAE Partners (\$5,000 - \$9,999) Desert Aire Corporation
ASHRAE Associates (\$2,500 - \$4,999)
Major Donors (\$250 - \$2,499)
Honor Roll Donors (\$100 - \$249 Individual/\$150 - \$249 Business) Jude Anders, Shoreline Concepts, LLC Bill Armstrong, Fluid Handling, Inc. James Burke, Johnson Controls, Inc. Jason Gerke, Graef Anhalt Schloemer & Associates, Inc Andy Meier, Hydro-Flow Products, Inc. Justin Patrick, Auer Steel & Heating Supply Co. Bernard Radoszewski, Air Technologies, Inc. Maggie Roll, Ring & DuChateau, Inc. Edward Tonn Jr, Butters-Fetting Co Inc.
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Table Top Participants Fluid Handling, Inc. (October) Hydro-Flow Products, Inc. (January)



Upcoming Meetings-Mark Your Calendars!

MEETING DATE / THEMES	LOCATION	TOPIC	SPEAKER
Thursday, February 19	Alioto's	Commisioning	Carl Lawson – ASHRAE Distinguished Lecturer
Thursday, March 19	Joey Buona's	WE Energies Focus on Energy	TBA
Thursday, April 16	TBA	Tour WE Energies Valley Power Plant (limit 25 people)	TBA
April 22, 2009 12:00pm-3:00pm	ASHRAE Satellite Broadcast	Clean, Lean, and Green: IAQ for Sustainable Buildings	http://www.ashrae.org/education/page/557
Thursday, May 21	MATC	Ductwork Design	Steve McKenzie