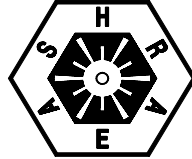


# THE BADGERAIRE

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



## **Feb 16, 2012 Moisture Problems in Buildings: Joint AIA and ASHRAE Meeting**

Please join us for a joint February meeting when we will be joined by the American Institute of Architects local Milwaukee chapter. This meeting will also feature a guest ASHRAE distinguished lecturer. The topic for the meeting will be Moisture Problems in Buildings and the guest speaker is Mr. William Lotz P.E. Mr. Lotz will discuss 4 main topics in his presentation

1. Describe how moisture problems can be caused by HVAC design
2. Talk about typical moisture issues for buildings requiring humidification like hospitals, wood processing, and pools.
3. Describe how building thermal envelope design affects moisture in the building.
4. Learn about proper air barrier and vapor barrier design.

The location and time for the meeting is listed below. This will be a great opportunity to learn about moisture problems how to solve them and how to avoid them. It will also be a great opportunity to network with the local AIA chapter and if you have not seen it, you can visit Zimmerman's and Harwood's new office in the Menomonee valley.

### Joint AIA and ASHRAE Meeting

February 16<sup>th</sup> at Zimmerman Architectural Studios and Harwood Engineering office.

2122 West Mount Vernon Ave. Milwaukee, WI 53233

5:30 registration

5:45 Dinner Start

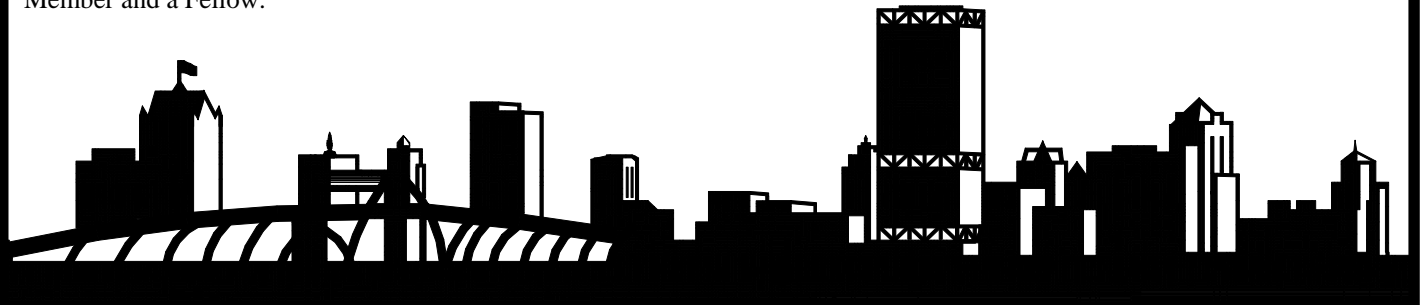
6:00 -7:00pm presentation

### Moisture Problems in Buildings

Moisture problems are the most common problems in buildings. Excessive moisture or uncontrolled moisture is a component of many IAQ problems. It is much less expensive to prevent moisture issues than it is to correct the problems after they occur. The first step in the solution of a moisture failure is external (rain or ground water leakage) or internal (condensation). Many buildings have a combination of both sources. Humidified buildings (residential, commercial and industrial) have unique solutions. Indoor pool buildings and trash-to-energy plants are two types of structures that frequently have condensation stains, rot and corrosion resulting in lawsuits. Buildings in hot-humid climates such as the U.S. Gulf Coast are just as likely to have mold and mildew as in buildings along the Canadian border. Is the HVAC system a part of the problem or a part of the solution? Mr Lotz has seen both.

Speaker: William Lotz PE

Mr. Lotz specializes in consulting on moisture and insulation problems in buildings. He has 40+ years experience in building construction; materials technology, and design, and has clients all over North America. Mr. Lotz has published over 250 technical articles in such publications as: ASHRAE Journal, Engineered Systems, RSI, Plant Engineering, Insulation Outlook, ASTM, Engineering News Record and HPAC. Mr. Lotz has a B.S. in Mechanical Engineering from the University of Miami and is a registered Professional Engineer in eight states. Mr. Lotz has been a member of ASHRAE for more than 40 years, is a Life Member and a Fellow.





Shaping Tomorrow's  
Built Environment Today

## President's Column

Happy New Year to you all, and here's to a prosperous 2012. I hope that you all have had a chance to get back into the swing of things, and get unburied from last year. We are pushing into the final months of our ASHRAE season, and I ask you all to see what you can do to make the last few months a great experience for all our membership.

Thanks to all of you who participated in the Wisconsin Code Refresher in January. We had great attendance, over 60 people, and Randy Dahmen from the Wisconsin Department of Commerce, Safety and Buildings Division delivered his much anticipated review of the changes in the codes that govern how we design.

ASHRAE National has sent out a couple of interesting pieces of correspondence in the last few weeks. The first is regarding the new ASHRAE logo, which brings an updated look and message.

“In recognition of this evolution, ASHRAE is making some changes regarding how we brand the Society. Our promise for sustainability encourages us to improve the quality in the built environment while leaving a lasting legacy for future generations. The new ASHRAE brand supports our focus on improving engineering standards and our market position as a community of engineers and related professionals united by knowledge, mission and a code of ethics to design, construct and operate better places for people to live, work and play.”

The other interesting information that they brought to our attention is ASHRAE's position to not

endorse requiring additional post-graduate courses to obtain a license as a Profession Engineer.

“The additional coursework would increase the cost and time commitment associated with licensure and could result in a decrease in licensed engineers while providing no additional benefit to protecting public health, safety and welfare. ASHRAE is opposed to these efforts and believes mechanisms already exist to assure engineers remain up-to-date on best practices and available technologies. ASHRAE members are encouraged to contact their state licensure boards and state societies of professional engineers.”

Please go the web and read the articles on these two topics that will affect us greatly, and provide them your feedback.

As always, if you have any questions, comments or concerns, please do not ever hesitate to contact me or any of the Board

Best Regards,  
Justin Patrick  
President, ASHRAE - Wisconsin Chapter  
[justin.k.patrick@jci.com](mailto:justin.k.patrick@jci.com)  
414-524-7198

## Young Engineers in ASHRAE (YEA) social event

Please join us Thursday, March 22nd from 7:00 to 10:00 PM for the next Young Engineers in ASHRAE (YEA) social event. The event will be held at Spin in Milwaukee's Third Ward. Ping pong, beverages and appetizers will be provided by the chapter. Members and non-members and people below the age of 21 are welcome to attend. Please pass along the invitation to fellow classmates and friends within the industry. Stop on by and play some pong.

## Special Thank you..

We would like to recognize Dave Precour of The Plumbing Mechanical and Sheet Metal Contractors Alliance (PMSMCA) and John Hamilton, Chief Operating Officer of the Testing Adjusting and Balancing Bureau (TABB) for sponsoring a tabletop presentation about TABB certification and training initiatives at our January meeting. All of the proceeds for our tabletop presentations go to ASHRAE research. To find out more about TABB please visit <http://www.tabbcertified.org/>.

## Upcoming Training sessions from the [Energy Center of Wisconsin](#)

### [HVAC retrofits for energy conservation](#)

- Feb 16, 2012 • Madison, WI
- Mar 12, 2012 • West Des Moines, IA
- Mar 13, 2012 • Davenport, IA

### [eQUEST energy modeling series](#)

- Feb 21-22, 2012 • Naperville, IL

### [Understanding and managing energy efficient motors and drives](#)

- Feb 22, 2012 • Eau Claire, WI
- Feb 23, 2012 • Appleton, WI

### [Lighting retrofits: sales strategies and technical solutions](#)

- Mar 7, 2012 • Naperville, IL

### [Energy management best practices](#)

- Mar 8, 2012 • Green Bay, WI

### [Energy efficiency in commercial food service](#)

- Mar 14, 2012 • Brookfield, WI
- Mar 16, 2012 • River Falls, WI

## Don't miss the upcoming DOAS ASHRAE Webcast

### [Dedicated Outdoor Air System: A Path to Balancing Energy and IEQ](#)

The free Webcast is **April 19, 1:00PM-4:00PM EDT**. On-line registration begins March 19. More information is at the end of the newsletter.

## Continuing Education Classes Available from UW-Madison

The University of Wisconsin-Madison, Department of Engineering Professional Development, will be offering short courses this spring and summer on topics including commissioning, cogeneration, energy modeling, chilled water plant design, displacement ventilation system design, and DDC controls.

For more information about these and related courses: [http://epdweb.engr.wisc.edu/Courses/Course\\_Categories.Jasso](http://epdweb.engr.wisc.edu/Courses/Course_Categories.Jasso)

## Membership Promotion

Our ASHRAE Chapter is always looking for more members. Please consider inviting a guest to join you in coming to any of the upcoming meetings. Show off what a great organization this is!

Remember to get your dues paid before the end of the year so you can take the tax deduction. It's just one more benefit of being an ASHRAE member.

## Are You An Associate Who Wants to Advance to Member?

To advance from Associate to Member, you must update your ASHRAE bio online, and notify [membership@ashrae.org](mailto:membership@ashrae.org) you have updated your bio and wish to be considered for grade advancement.

**Reasons to Advance ASHRAE Membership:**

1. Prestige
2. Chapter recognition through newsletter
3. Chapter recognition at meeting
4. To serve on a technical committee
5. To serve in a chapter officer role
6. To serve in a regional role
7. To qualify for ASHRAE Fellow and other Society awards
8. You can add Member ASHRAE to your email tag
9. Allows your chapter to shine among other chapters
10. Society recognition in Insights

at the end of the year so please update whomever is responsible for submitting your dues to the national chapter so that they are aware of the August due date. If you are no longer a member and do not wish to be, please update your bio online and alert the National Chapter. Delinquency reflects poorly on the rest of the chapter, so please, pay your dues or formalize your departure from ASHRAE.

**Steps for updating your biography:**

1. Go to the ASHRAE home page and login;
2. Look for Member Central (Member Central is located under the top left-hand column below the Login box);
3. Click "Update Your Bio";
4. Click on the link "Edu. Pro. Reg" located in blue font above your name to add all of your educational history, relevant professional licenses and work history;
5. Confirm your contact information is current by clicking on "Contact Info";
6. Once you have updated your biography, send an email to membership@ashrae.org with your Member ID number (which can be found by clicking on "Bio Info") requesting advancement.

**Membership Roster Updates**

Delinquency in Society dues is very high. Please remember that dues should be paid in August. We understand that historically, dues were paid



## ASHRAE WEBCAST

April 19, 2012 – 1:00 p.m. – 4:00 p.m. EDT

### “Dedicated Outdoor Air Systems- A Path to Balancing Energy and IEQ”

Dear Chapter President:

ASHRAE’s Chapter Technology Transfer Committee with support from **Valent Air Management Systems, Rotor Source, Inc., Engineered Air, Munters, and Heat Pipe Technology**, will present a free Webcast, “**Dedicated Outdoor Air Systems – A Path to Balancing Energy & IEQ,**” on **Thursday, April 19, 2012**. The program will be archived online until **May 3, 2012** for those unable to participate in the live webcast. Registration will be required to view the archived program.

Please promote the webcast and host it as a chapter activity. Chapters that host the webcast will earn 100 Presidential Award of Excellence (PAOE) points.

Below are several reminders to assist you with hosting the webcast;

- **Secure a viewing location** with a PC, video projector, and a screen.
- **Promote the webcast program.** Distribute the enclosed brochures at your next chapter meeting and use the **Media Kit** at [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast) to notify chapter members about the webcast via your chapter newsletter and email.
- **Register your site.** Online registration begins **March 19, 2012** at [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast). If you will be hosting or viewing the webcast at a local Trane site, please coordinate registration with your Trane contact person. Only one registration per site is needed. The site coordinator’s registration will cover all participants at the site.
- **Test your equipment.** When you complete registration, you will be given a link to test your system.
- **Use a signup sheet or email RSVP** to maintain an accurate headcount of participants at your site.

To add a registration reminder to your Outlook and find additional information regarding the program and presenters, visit [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast). Please share the enclosed guides with your colleagues.

If you have any questions or need assistance, please call (678) 539-1200 or email [ashrae-webcast@ashrae.org](mailto:ashrae-webcast@ashrae.org).

Thank you for your continued support of the ASHRAE webcast programs.

## Upcoming Chapter Meetings-Mark Your Calendars!

MEETING DATE / TIME	LOCATION/TIME	TOPIC	SPEAKER
February 16	Zimmerman Architectural Studios and Harwood Engineering office 5:30PM	Moisture Problems in Buildings	Mr. William Lotz P.E
March 22, 2012	Spin in Milwaukee's Third Ward 7:00PM-10:00PM	YEA Social Event	

### Other Chapters

For details regarding *surrounding chapter* meetings see:

- o Northeast Chapter <http://www.newisconsinashrae.org/>
- o Madison <http://www.ashraemadison.org/>
- o Illinois [www.illinoisashrae.org.](http://www.illinoisashrae.org)

### **Wisconsin Chapter Officers and Committee Chairs**

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

Wisconsin Chapter of ASHRAE