

# ASHRAE Windsor Chapter

c/o. Baymar A/C Supply 3200 Jefferson Blvd.

Windsor - Ontario - N8W 2W8



## NEWSLETTER

March 16, 2016

Volume: 32 - Issue: 5

### Next Meeting:

**Tuesday March 22, 2016**  
**LILLY KAZZILLY'S—DISTINGUISHED LECTURER**

Please confirm your attendance by calling Paul Greff @ 519 980 6542 or Email: [pgreff@vollmer.ca](mailto:pgreff@vollmer.ca)

### FUTURE MEETINGS:

Nov. 17, 2015	Hiram Walker Powerhouse	Dec. 15, 2015	Wineology Christmas Social
Jan. 19, 2016	Frank Brewing Co.	Feb. 16, 2016	Regenerative Ozone Technology
Mar. 22, 2016	Distinguished Lecturer	April 20, 2016	Presidents' Night
May 18, 2016	Students' Night		

### CHAPTER OFFICERS & BOARD OF GOVERNORS

President:	Andrew Hrutka	(519) 737 1888
President-Elect:	Paul Greff	(519) 980 6542
Treasurer:	Nathan Cook	(519) 948 4243
Secretary:	Paul Greff	(519) 980 6542

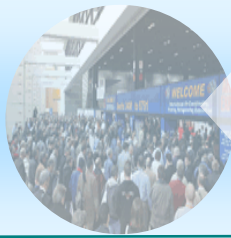
### BOARD OF GOVERNORS

James Smith	(519) 737 5725
Dan Castellan	(519) 253 3000
Steve Koutsonicolas	(519) 999 9954

### CHAPTER COMMITTEES:

Research Promotion:	Jon Palmer	(519) 819 7805
Membership:	Patrick Castellucci	(519) 250 2006
Technology Transfer	Bill Davies	(519) 251 6824
Historian:	Gord Snell	(519) 494 7341
Young Engineers in ASHRAE (YEA)	Adam Meeker	(519) 737 5725

Fac. Adviser-U of W Student Chapter	Dr. David Ting	(519) 253 3000, x2599
Reception:	Jamie Smith	(519) 890 8684
Student Activities	Jamie Smith	(519) 890 8684
Newsletter:	Adam Meeker	(519) 737 5725
Grassroots Government Advocacy	Dena Barrette	(519) 255 2888



## ASHRAE Windsor March 2016 Meeting

### DISTINGUISHED LECTURER - OPTIMIZING INDOOR ENVIRONMENTS FOR OCCUPANT SATISFACTION

The Windsor Chapter of ASHRAE is pleased to invite you to our March 2016 meeting. We will be gathering at a familiar location for many of our members; Lilly Kazzilly's Crabshack & Grill.

Located on the waterfront in east Windsor, Lilly Kazzilly's is a full service restaurant, offering guests a fabulous view of Lake St. Clair, the Detroit River, and Peche Island. With an extensive menu to offer, Lilly's offers a unique and relaxing dining experience.

**Date:** **Tuesday, March 22, 2016**  
5:30 PM - Eastern Time

**Location:** **Lilly Kazzilly's Crabshack & Grill**  
9550 Riverside Drive East  
Windsor, Ontario  
Located adjacent to the Lakeview Park Marina

ASHRAE Windsor Chapter Members: **\$40**

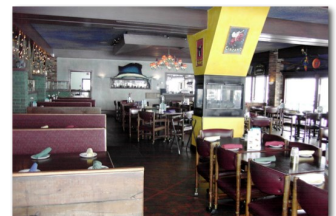
Guests: **\$50**

Students: **\$20**

Dinner includes an entrée ordered from the various menu options. Beverages are not included.

Please RSVP via email by Friday March 18th at 5:00 PM to Paul Greff.

[pgreff@vollmer.ca](mailto:pgreff@vollmer.ca), (519) 980-6542





## **DISTINGUISHED LECTURER - OPTIMIZING INDOOR ENVIRONMENTS FOR OCCUPANT SATISFACTION**



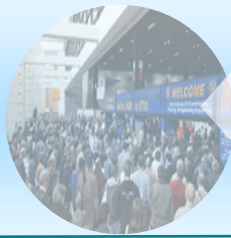
Jerry Sipes is the Vice President of Engineering for Price Industries and a Professional Engineer with more than twenty years of experience in the HVAC field. He received his Ph.D. in Mechanical Engineering from Kansas State University in 1998, and is a registered professional engineer in 2 states. His technical areas of interest include heat transfer, fluid flow, human thermal comfort, HVAC and acoustics. The title of his Dissertation is "Analytical, Experimental and Numerical Analysis of Moisture Movement in Walls Exposed to Hot and Humid Climates".

In the field of Engineering Research and Education, he served for ten years as a Senior Researcher at the Institute for Environmental Research at Kansas State University and lectured part time for the Mechanical Engineering Department.

Dr. Sipes is a Member in the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE). At ASHRAE, he is the chairman of ASHRAE Technical Committee 5.3 Room Air Distribution, chairman of standard 200, *Method of Testing for Chilled Beams*. He is chairman of the AHRI Chilled Beam Section (CB), and past chairman of the AHRI Air Control and Distribution Devices (ACDD) Section, as well as the chairman of the AHRI ACDD and AHRI Chilled Beams engineering committees and is the chairman of the AHRI Standard 1240P, *Performance Rating of Active Chilled Beam Units*.

He has presented at various worldwide conferences including most recently, ISHRAE and FEBRAVA.

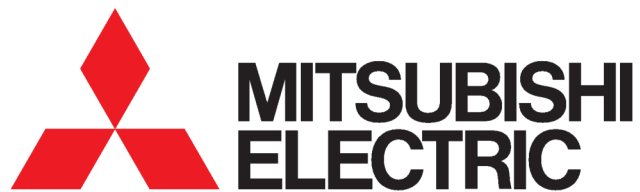
This presentation will discuss how to use ASHRAE Standard 55 to improve the indoor environment for several HVAC design approaches including: Overhead mixing, Displacement Ventilation, Underfloor Ventilation, Air-water hybrids (Displacement with radiant heating/cooling) and Natural Ventilation. Discussions will include a review of building occupant survey results and lessons learned.



## TABLE TOP DISPLAY

The March 2016 meeting will host two Table Top Displays! Members of the Baymar Supply Ltd. team will provide presentations for products manufactured by Mitsubishi Electric and Price Industries. Mitsubishi Electric has several innovations in comfort technology and energy efficient HVAC products including variable refrigerant flow (VRF) zoning and split-zoning cooling and heating systems for both commercial and residential installations. Price Industries offers a broad range of HVAC products including air distribution, controls, hydronic and air handling products.

Be sure to check out the presentations to see if these product lines can be applied to any of your future projects.



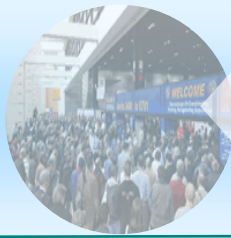
Cooling and Heating



Future Meetings:

March 22, 2016: **Presidents' Night (details to follow)**





## February 2016 Meeting Recap

Last month's meeting took the chapter to Lilly Kazzilly's Crabshack & Grill. Attendees had the opportunity to witness a technical presentation on Regenerative Ozone Technology provided by Mr. Daniel Glendon of Engineered Air (TriMed Product Manager).

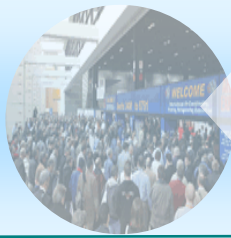
Prior to the presentation, the group enjoyed an excellent meal and good fellowship.

Mr. Patrick Hayes of Viessmann Manufacturing Company Inc. provided an informative table top display. Thank you Mr. Hayes for your efforts and a great presentation!

A special thanks goes to the staff of Lilly Kazzilly's, who provided a great dining experience.

Overall, the evening was a great success! Thank you to everyone who participated and for supporting the ASHRAE Windsor Chapter.





## New ASHRAE Windsor Website Launch

The ASHRAE Windsor Chapter has launched a new website!

The new website has a modern look and contains valuable information on the chapter. Content will be added and updated on a regular basis, so be sure to check in often to see what is in the works. Newsletters, meeting dates and other useful information will be posted in the future to keep our members informed on chapter events. The website is compatible with mobile devices, so be sure to book mark it for quick and easy access!

The site can be found at: [www.windsorashrae.com](http://www.windsorashrae.com)



ASHRAE - WINDSOR CHAPTER # 141

ASHRAE Windsor Chapter

Home Board of Governors Newsletters History Chapter Meetings Sponsors

Welcome to the Windsor Chapter of ASHRAE!

Serving the needs of the Heating, Refrigerating, and Air-Conditioning industry in Southwestern Ontario.

ASHRAE Windsor is Canada's "Hottest" and most southern chapter and we are located in Windsor, Ontario. We were founded in 1983. We are proud to be part of Region 2 and we have over 50 ASHRAE members and growing in our chapter.

Our Chapter Concept is to be a "Socially Acceptable Technical Chapter" where we are focusing on "social" and having fun with technical discussions. To achieve our concept, we plan on using the following guidelines:

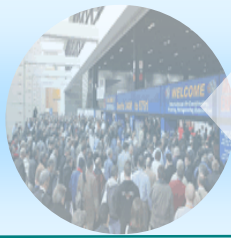
- Have Fun - do not have boring meetings
- Talk about useful business issues
- Create networking opportunities for all of our members
- Be diverse in our membership
- Provide good food and a good venue
- Be respectful to all of our members
- Thank you for visiting our Chapter Website and please let us know how we can assist you.

Research Promotion

15%

Research fundraising already over 15% of goal!

Over \$1,000 has already been raised by our Research Promotion Chairman. A big "thank you" to our donors for



## **Advertising and Promotion**

Actively participating in ASHRAE events is a great way to network and discuss potential projects and applications. Chapter meetings provide a captive audience and exposure to a group actively involved in our industry. Promotion opportunities are available during our chapter meetings, through the monthly newsletter and the new website.

### **TABLE TOP DISPLAY**

What better way to display a new product, existing line, or share great ideas than to have a table top display at our monthly chapter meetings?

The fee to provide a Table Top Display is \$200.00 (CAD). In addition to the presentation, the fee also covers the cost of the presenter's meal at the event. If interested in providing a Table Top Display at a future meeting to promote product lines or technologies, please contact Paul Greff to schedule.

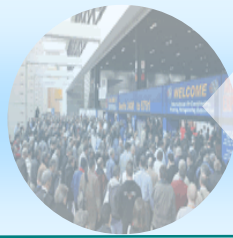
*[pgreff@vollmer.ca](mailto:pgreff@vollmer.ca)*  
(519) 980-6542

### **BUSINESS CARD PROMOTION**

The monthly newsletter is distributed to all of our ASHRAE Windsor members as well as several others that are involved in our industry. Inclusion of your business card in the newsletter would provide a great opportunity to introduce your name and company to those members who may not know you personally. Business cards may also be displayed on the new website.

The fee to include your business card in the newsletter is \$100.00 (CAD) for the year. If interested in having your business card information included in the monthly newsletter, please contact Paul Greff.

*[pgreff@vollmer.ca](mailto:pgreff@vollmer.ca)*  
(519) 980-6542



## Education and Training Opportunities

### HVAC DESIGN TRAINING - LEVEL I - ESSENTIALS

#### HALIFAX HVAC DESIGN TRAINING 2016

MAY 9-11

It is understood that scheduling time away from work and home life for training can be difficult. In terms of getting a large amount of training content in a relatively short period of time, the ASHRAE HVAC Design training courses certainly provide a great option.

**ASHRAE's HVAC Design: Level I - Essentials** training provides participants with instruction that accelerates their transformation into effective members of a design, construction or facilities maintenance team. Developed by industry-leading professionals selected by ASHRAE, the training provides attendees with the fundamentals and technical aspects of HVAC design. Attendees will gain practical skills and knowledge to design and maintain HVAC systems that can be put to immediate use.

#### Registration Fees

(Register 30 days prior to training date, for Early Bird pricing)

Level I - Essentials	<i>Mbr</i>	<i>Non-Mbr</i>	<i>Group 3+</i>
Early Bird	\$959	\$1,214	
Standard	\$1009	\$1,264	\$909

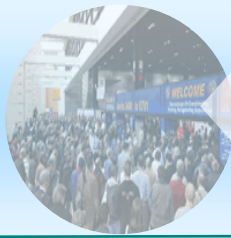
Fees shown in US Dollars

More information, including course outlines, can be found on the ASHRAE website:

<https://www.ashrae.org/education--certification/hvac-design-training>

This course is a prerequisite to the more advanced course, HVAC Design Training - Level II - Applications. Check out the website for details on both courses to discover how you can further progress your career!





## **WEBCAST - MAKING NET ZERO NET POSITIVE: SOLVING THE EFFICIENCY & COST PARADOX**

**APRIL 21, 2016**  
**1:00PM TO 4:00PM EDT**



The ASHRAE Windsor Chapter is invited to witness the annual ASHRAE webcast!

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviours that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

Additional information on the webcast can be found at the following link.

<https://www.ashrae.org/membership--conferences/webcasts>

Participants will watch the webcast in the audio visual room at the Vollmer head office.

3822 Sandwich Street, Windsor

Refreshments to be enjoyed during the presentation will be sponsored by Union Gas.

If interested in participating, contact Bill Davies to schedule.

*[bdavies@uniongas.com](mailto:bdavies@uniongas.com)*  
(519) 251-6824

Attendees may be awarded with Continuing Education Hours if they are needed, so be sure to mark your calendars for this opportunity!