

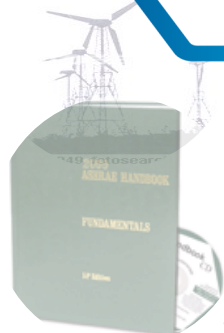


Windsor Chapter

NEWSLETTER

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

Windsor - Ontario - N8W 2W8



January 10, 2017

Volume: 33 - Issue: 6

CTTC AND SPONSOR A CO-WORKER NIGHT TUESDAY JANUARY 17, 2017 LILLY KAZZILLY'S—TECHNICAL PRESENTATION

Please confirm your attendance by calling Nathan Cook @ 519 948 5000 or Email: windsorashrae141@gmail.com

SCHEDULED MEETINGS:

Sept. 12, 2016 **25th Annual Golf Tournament**
Oct. 18, 2016 **Ontario Climate Change Effects
to HVAC Industry**
Nov. 29, 2016 **Applying ASHRAE Standards to
Existing Buildings—DL**
Dec. 13, 2016 **Christmas Social**

Jan. 17, 2017 **Multi Family Heating Control System**
Feb. 21, 2017 **ASHRAE/SMACNA Joint Meeting**
Mar. 21, 2017 **Hiram Walker Boiler Tour (tentative)**
April 18, 2017 **Past Presidents' Night - DL at
Beach Grove Golf & CC**
May 16, 2017 **Students' Night**

CHAPTER OFFICERS & BOARD OF GOVERNORS

President: Paul Greff (519) 966 6100
President-Elect: Nathan Cook (519) 948 5000
Treasurer: David Dufour (519) 916 5411
Secretary: Adam Meeker (519) 737 5725

BOARD OF GOVERNORS

James Smith (519) 737 5725
Dan Castellan (519) 253 3000
Steve Koutsonicolas (519) 999 9954
Bill Davies (519) 251 6824

CHAPTER COMMITTEES:

Research Promotion: Andy Hrutka (519) 737 1888
Membership: Patrick Castellucci (519) 250 2006
Technology Transfer: Bill Davies (519) 251 6824
Historian: Gord Snell (519) 964 1700
Young Engineers in ASHRAE (YEA): Rene Plourde (226) 344 5218
Refrigeration Chair: Jon Palmer (519) 256 7922

Grassroots Government Advocacy: Dan Castellan (519) 253 3000
Student Activities: Jamie Smith (519) 890 8684
Fac. Adviser - U of W Student Chapter: Dr. David Ting (519) 253 2871
Newsletter: Adam Meeker (519) 737 5725
Reception: Jeff Armstrong (519) 256 7922



A Letter from the President

January 6, 2017

Greetings ASHRAE Windsor,

A new year is now upon us with lots happening for the Chapter. I want to take a moment and wish all a healthy and successful 2017! I would like to share some of the latest ASHRAE news with you and keep you informed and intrigued about the year to come.

2016 was a great year for the Chapter. We had new members, a returning member, RP Committee in full swing, CTTC and GGAC activity at a high! We hope to continue to provide Presentations on new and upcoming technologies as we enter this New Year. As well, with new Environmental and Building Codes having increased requirements for safety and efficiencies, our GGAC committee will likely remain busy, having participated in two National Conference Calls with other ASHRAE leaders in the past two months.

The 2017 year will also bring a hopeful surge of participation from our YEA members and Student Activities through Membership Promotion drives! Stay tuned for more details and our Chapter meetings. Mentorship is a great way to help YEA and student members advance in ASHRAE.

For those who would like to be more involved in the Chapter, please feel free to contact me. If you are interested in getting involved though unsure how to do so, please feel free to contact me or any of the board members. Please find us on LinkedIn "ASHRAE Windsor Chapter 141" and join the group.

Please remember to RSVP for the January meeting. More spots are available, so reach out and bring a co-worker.

Yours truly,

Paul Greff
President
ASHRAE Windsor Chapter 141



ASHRAE Windsor Chapter January 2017 Meeting

TECHNICAL PRESENTATION - MULTI-FAMILY RESIDENCE BUILDING HEATING CONTROL SYSTEM

Happy New Year! The Windsor Chapter of ASHRAE is pleased to invite you to our January 2017 meeting. We will be gathering at a familiar location for many of our members; Lilly Kazzilly's Crabshack & Grill. As it is a "Sponsor a Co-Worker Night", sponsored guests will be charged the same rate as Chapter Members!

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, January 17, 2017**
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 and Sponsored Guests: **\$40**

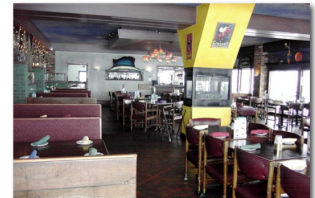
Guests: **\$50**

Students: **\$15**

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

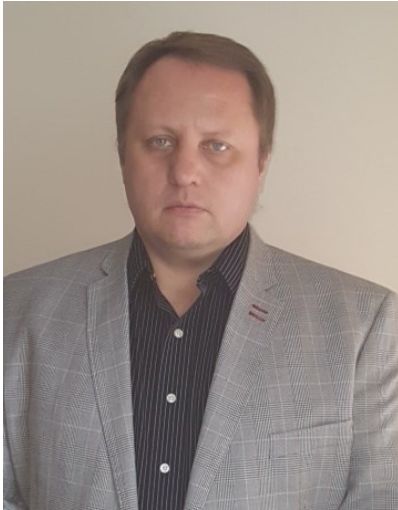
Please RSVP via email by Friday January 13th at 3:00 PM to Nathan Cook.

windsorashrae141@gmail.com
(519) 948-5000





DMITRIY KNYAZEV, K3D INC.



Dmitriy Knyazev owned an apartment building in Windsor and was perplexed by the high cost of heating and the residents that were continually opening the windows and balcony doors of the building during cold weather. Dmitriy decided to tackle the problem using a programmable logic controller and some sensors placed about this building where he lived. He added sensors for outdoor temperature, wind speed, direction and coupled this with in-suite controls to comprise a complete heating control package. With in-suite relays and the PLC he was able to devise an algorithm to act similarly to outdoor reset. The system worked like a charm. Energy consumption plummeted by 40% and Dmitriy's new company was born. Come talk to Dmitriy and find out how these amazing results were achieved.

TABLE TOP DISPLAY

The January 2017 Table Top Display presentation will be provided by Mr. Steven Weber of Smith Energy Inc. Smith Energy Inc. provides a broad range of heat transfer products, many of which focus on energy recovery and savings.

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



Next Meeting:

February 21, 2017: ASHRAE/SMACNA Joint Meeting (more details to follow)



CTTC Announcement—ASHRAE Technology Awards

Do you think you did an exceptional job on a design? If so, we would like to hear from you. We will be selecting project submittals and you may win the award for Windsor chapter and possibly be selected to compete with those in our region. At the very least the local winner's projects will be highlighted in our newsletter and will receive an award at our Past Presidents Night in the spring.

If the project goes on to win at the society level it will be published in the ASHRAE Journal with press releases. The winner and building owner will also receive a plaque.

These are the criteria segments:

- Energy Efficiency (water included)
- Indoor Air Quality and Thermal Comfort
- Innovation
- Operation and Maintenance
- Cost Effectiveness
- Environmental Impact
- Quality of Presentation

Your project must be commissioned, running and have some data to back up your claims in your project. Any commercial, industrial, institutional or residential project will be considered. It can be a new building or existing and also building commissioning is a separate category.

Want some inspiration or even some guidance on what could reach society level competition? Follow the link below for some examples of winning projects (look for "Technology Award" in the title):

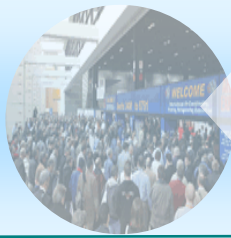
<https://www.ashrae.org/resources--publications/periodicals/ashrae-journal/features/ashrae-journal-featured-article-excerpts>

Remember though, your project doesn't have to be high profile or world class. It can be just a local project that you put a lot of thought into. It should be a design that you took pride in creating and that someone else could benefit from your creativity.

Here is an idea for you. Let's say you designed the HVAC for a sunroom addition of a house. The room has in-floor heat but not cooled so no ductwork would be required. It faces south and gets quite warm in the winter and shoulder months so you install a damper to re-direct the return air to pull mainly from this room to take advantage of the passive solar gain. This will spread the heat out through the house and save on heating bills. In the summer the damper is closed by the residents to keep the warm air from entering the cooled zones.

This is not a typical design but for a small investment it will save the homeowner energy costs and reduce carbon emissions. It will also improve the thermal comfort during shoulder months when residents may need to keep opening windows to control the temperature. This project will touch upon 5 of the 7 criteria mentioned above!

Let's celebrate our hard efforts and ingenuity! *Contact Bill Davies at 519 564-7946 to discuss!*



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 Nathan Cook to schedule.

windsorashrae141@gmail.com
(519) 948-5000

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 ending June 30, 2017. If interested in having your business card information included in the monthly newsletter, please contact Nathan Cook.

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ASHRAE Conferences

2017 WINTER CONFERENCE AND AHR EXPO

Looking to plan a winter getaway? ASHRAE has you covered! The world's largest gathering of HVAC&R professionals is taking place this January in Las Vegas. An extensive technical program is available that includes a plethora of seminars, presentations, courses, training and certification opportunities for a variety of disciplines and specializations. In addition to the technical offerings, there are a number of tours and social events to meet fellow ASHRAE members from around the world. What better place to do all of this than the City of Lights!

The International Air-Conditioning, Heating, Refrigerating Exposition (AHR Expo), which started 85 years ago as a heating and ventilation show, has grown into *the* HVACR event of the year and is held in major cities across the U.S. The 2017 Show will be in Las Vegas, hosting more than 2,000 exhibitors and attracting crowds of 60,000 industry professionals from every state in America and 150 countries worldwide. It provides a unique forum designed expressly for the HVACR community, allowing professionals to get together to share new products, technologies, and ideas. The AHR Expo is co-sponsored by [ASHRAE](#) and [AHR](#), and is held concurrently with ASHRAE's Winter Conference.

A promotional graphic for the 2017 ASHRAE Winter Conference and AHR Expo. The background is a night view of the Las Vegas skyline with bright lights and fountains. In the center is a large blue circular logo with the ASHRAE hexagon and the word "ASHRAE" inside. To the left of the logo, the text "2017 Winter Conference" is written in large white letters, followed by "Jan. 28 – Feb. 1" and "Las Vegas, NV" in smaller white letters. Below this, "Caesars Palace" is written in white. To the right of the logo, the text "AHR Expo" is written in large white letters, followed by "Jan. 30 – Feb. 1" and "Las Vegas, NV" in smaller white letters. Below this, "Las Vegas Convention Center" is written in white.



ASHRAE Chapter Involvement

It is a welcome site to see Chapter members and non-member guests alike attend the monthly meetings and events. The time and effort put fourth by all individuals to attend these events is greatly appreciated as it helps strengthen and develop our Chapter as a whole.

As it takes time and effort to attend these meetings, it also takes a great deal of time, effort and dedication to organize and prepare for these events such that they are informative and enjoyable for everyone.

It is a goal of the Chapter to increase the number of participating members. Involvement in Chapter operations is not limited to the Board of Governor and Chapter Committee positions. All individuals interested in getting involved with ASHRAE at any level are encouraged to volunteer in any capacity they are willing and able to. Any efforts to help the Chapter continue to develop and improve would be greatly appreciated.

If anyone is interested in volunteering for general involvement or have a specific task in mind, please contact Nathan Cook.

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