



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon Sept 29/2014

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Topic

Society Event

WEST HAVEN GOLF CLUB

7038 Egremont Drive, London, ON N6H 5L2

Golf & Dinner

Meeting - Mon Sept 29/2014

Golf, 9-holes with tee times from 3:30-5:00pm
Dinner: 7:00pm

The combined event will cost \$80 per person.
This includes Golf, Cart, Buffet Dinner

Simply send Jamie Kruspel
jamie.kruspel@td.com
an email with our choice of tee-time window

3:30-4:00pm

4:00-4:30pm

4:30-5:00pm

ADVANCED PAYMENT BEFORE MEETING
by using PAYPAL

use the chapter web site to register and pay
<http://LondonCanada.AshraeChapters.org>

Presidents Message

Welcome everyone to the 2014-2015 ASHRAE year. I would like to introduce you to your new Board of Governors for this year. The Chapter Executives consist of Jordan Foster as Vice President, Khalid El-Kadri as Treasurer and Phil Cook as Secretary.

The London Chapter just finished hosting the 2014 Region 2 Chapter Regional Conference (CRC) in Grand Bend. We were recognized by our regional leadership team with special emphasis placed on our young and energetic Committee Chairs. Furthermore, our chapter was presented with many honors and awards: Membership Promotion Best Chapter Award, YEA Best Chapter Award, Student Activities Best Chapter Award, and Golden Gavel Award for best overall chapter. First, I would like to extend my gratitude to our London Chapter members that helped make this CRC a successful and memorable event. In particular, I would like to recognize our London CRC Committee Chairs, Karl Gilroy (CRC Chair), Peter Golem (CRC Co-Chair) and Jordan Foster (CRC Treasurer) for all their work and dedication. Secondly, I would like to sincerely thank all our corporate sponsors; without your generous donations, we would not be able to host this successful CRC meeting....Thank you again.

Our chapter program committee is working hard to design this year's program. We are aiming to cover a wide variety of topics that is of interest to the all members and organize many social events and technical seminars. Please feel free to share your suggestions for topics and speakers with our CTTC Chair Mike Piluk (mike@odellassoc.com). The theme for our September chapter meeting is ASHRAE Membership. ASHRAE members solve the HVAC&R problems of today while planning innovative solutions for the challenges of tomorrow. Thank you for continuous support to ASHRAE Membership. If you have questions related to membership renewal and grades, please direct them to our Membership Promotion Chair Jeff Watson (Jeff.Watson@chorley.com).

I would like to conclude my message by quoting our new ASHRAE Society President for 2014-2015, Thomas Phoenix. Thomas says "You measure success by being better tomorrow than you are today. ASHRAE will be better tomorrow by focusing its efforts in three key areas: People, Passion and Performance". Congratulations, once again, to our ASHRAE London Canada Chapter for hosting a successful and memorable CRC. I am looking forward to another great year and hope to see you at our upcoming chapter meeting on September 29th.

Thank you.

Ibrahim M. Semhat
 Chapter President 2014/2015
 ASHRAE London Canada Chapter

Upcoming Chapter Meetings

Oct 27/2014 - Bidding Processes
 Nov 24/2014 - Air to Air Energy Recovery

Jan 19/2015 - Problem solving, leading and thinking like an engineer
 Feb 23/2015 - Career opportunities for students in ASHRAE
 Mar 23/2015 - CO2 refrigeration
 April 23/2015 - ASHRAE WEBCAST, Retro-commissioning and the Life Cycle Cost Analysis
 Apr 27/2015 - technical Tour
 June 1/2015 - Golf Tournament

Other Meetings

Jan 24 to 28/ 2015 - ASHRAE Winter Conference - Chicago, IL
 June 27 to July 1, 2015 = ASHRAE Annual Conference - Atlanta, GA
 Jan 23 to 27, 2016 = ASHRAE Winter Conference - Orlando, FL
 Jun 25 to 29, 2016 = ASHRAE Annual Conference - St. Louis, MO
 Jan 28 to Feb 1, 2017 = ASHRAE Winter Conference - Las Vegas, NV

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Membership

Greetings from the Membership Chair,

I am excited to be returning to serve as your London Chapter Membership Promotion Chair for 2014-2015 ASHRAE year. I am hoping to continue on the great success our Chapter had last year.

A brief recap from last year's Membership Promotion:

We started with 116 members and finished the year with 130! This far exceeded the goal we received from Society for a new gain of 2 members. I would like to thank everyone for their help with recruitment and retention. One of the most important items from last year's growth, is the number of new members that fall within the YEA age category of 35 years and younger. We had 10 such new members. This has been a goal of Society – to attract younger members to ensure the continued future growth and strength of ASHRAE.

Our goal from Society this year is a net gain of 4 members and we are already off to a successful start with 4 new members that I would like to welcome:

Trevor Rideout, Andrew Somers, Joel Clifford, and Randee Spencer.

However, as always, retention will be crucial; as we have also already lost 2 members. I encourage you all to renew your membership on time.

I hope to see you all out at our first Chapter Meeting and I look forward to meeting you all over the upcoming year.

Best Regards,
Jeff Watson
Membership Promotion Chair 2014/2015
ASHRAE London Canada Chapter

STUDENT ACTIVITIES & YEA

We have officially booked an Ultimate Frisbee match against ASHRAE Hamilton for Saturday, October 4th. We will be playing at Silverbridge Park in Brantford (75 Dante Cr., Brantford ON) from 1:00pm-4:00pm. Nik will be inviting YEA members and I will be inviting the students in my Thursday class presentation.

The Hamilton BOG and Robyn (RVC SA) are all on board and will be getting in touch with students and their members.

If any of you are interested in attending, please let me know. I would like to have a good estimate of attendance.

Thanks,
Ben Oliver
Student Activities Chair 2014/2015
ASHRAE London Canada Chapter



www.somersep.com

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Free Submissions Available to Qualified Submitters**ASHRAE Announces Special Limited Pricing Offer; Changes to In Operation Methodology for bEQ Program**

ATLANTA – To allow greater uniformity for building types seeking an In Operation rating under its Building Energy Quotient (bEQ) program, ASHRAE is now using methodology from its standard for energy efficiency in existing buildings to calculate the rating.

The bEQ program, a consistent, comprehensive and accurate method of rating and labeling buildings based on energy use, offers two rating labels: an As Designed label that rates the building's expected energy use under standardized conditions—independent of the building's occupancy and usage variables—and an In Operation label that rates the building's actual metered energy use as influenced by the building's occupancy, structure and usage. bEQ helps owners and managers zero in on opportunities to lower building operating costs and make informed decisions on energy reduction strategies.

Previous to this change, the In Operation rating relied on ENERGY STAR Portfolio Manager to provide a normalized median energy use index (EUI) for the rating calculation. Unfortunately, this normalization was only available for those buildings that were covered by Portfolio Manager, so all other building types, such as convenience stores, libraries, fire stations and restaurants, had no methodology for this normalization.

"The change to this new methodology provides several advantages for those who are submitting buildings for In Operation ratings," Ross Montgomery, bEQ Committee chair, said. "The new methodology allows greater uniformity for many more available building types, which should result in better rating comparisons since those buildings are now able to get a normalized energy use index. In addition, submission forms are now easier to use with more of the information/calculation automated and with expanded explanations, definitions and instructions to help better classify a candidate building."

Montgomery explained that the updated bEQ Workbooks use methodology from one of the informative appendices of Standard 100, Energy Efficiency in Existing Buildings. This methodology allows generation of median EUIs by climate zone for all building types covered in the Commercial Building Energy Consumption Survey (CBECS), maintained by the U.S. Energy Information Administration.

He notes that similar changes are planned for the As Designed rating, which currently uses Target Finder to calculate the median EUI for normalization.

Given the updated improvements for the In Operation rating, ASHRAE is offering a four month limited offer to qualified ASHRAE members, allowing them to submit for two ratings with no registration/submission fee from July 30, 2014, until Nov. 30, 2014.

The offer is extended to ASHRAE members who are certified by ASHRAE as Building Energy Assessment Professionals (BEAP) or Building Energy Modeling (BEMP) Professionals, or professional engineers (PE) licensed in the jurisdiction where the rated building is located.

For more information on the offer, visit www.buildingenergyquotient.org.



ASHRAE Returns to Chicago!

Winter Conference
January 24–28

AHR Expo
January 26–28

The poster features a collage of Chicago skyline images and logos for the 2015 AHR Expo and ASHRAE.

2015 Winter Conference
Jan. 24-28/2015
Palmer House Hilton, Chicago, IL

AHR Expo
Jan. 26-28/2015
McCormick Place, Chicago, IL

ASHRAE is excited to return to Chicago for the 2015 Winter Conference, its historically best-attended event. Attendees can discuss the latest topics in the building industry; participate in technical tours; attend ASHRAE Learning Institute courses; earn professional credits; and obtain ASHRAE certifications. Chicago also serves as the site of the AHR Expo, co-sponsored by ASHRAE and held in conjunction with the Winter Conference.

The two events combine to create the ideal atmosphere for those interested in advancing the building industry to network, inspect the latest technology and learn about the newest practices for the built environment. Don't miss the chance to participate!



2015 AHR EXPO

JAN 26-28 CHICAGO

The poster includes the ASHRAE and AHR logos and a graphic of a globe with a red ribbon.

ASHRAE Learning Institute

2014 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

High-Performance Building Design: Applications and Future Trends

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

Evaluation Methods for High-Performance Green Buildings

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

Fundamental Requirements of Standard 62.1-2013

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

NEW! Building Demand Response & the Coming Smart Grid

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

District Cooling & Heating Systems: Central Plants

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

Maximizing Customer Benefits Using Key Electric Utility Products

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

Design of Commercial Ground Source Heat Pumps

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

Energy Efficiency in Data Centers

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

Commissioning for High-Performance Buildings

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Complying with Standard 90.1-2013

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

Healthcare Facilities: Best Practices for Design & Applications

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

HVAC Design Training

2 Courses, 5 Days of Intense Instruction

November 2014 – Atlanta, GA

HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit www.ashrae.org/BEMP to learn more about the BEMP practice exam.

Visit www.ashrae.org/certification to learn more about ASHRAE certifications.

New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!



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- Gain personal and career excellence through peer contact, exchange of technical information and continuing education.
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- Visit the World's Largest HVAC&R Marketplace. The AHR Expo brings the entire industry together to see the latest products and technology, learn about innovations and trends that are shaping the future, and build new relationships.
- With the Conference being held in the big city of Chicago, the Technical Program itself is going big with a focus on big projects, the big picture and big impacts. Eight tracks are featured.
- Gain valued credentials held by top engineers via ASHRAE's six Certification programs.
- See the technology you help create first-hand via a Technical Tour.

Special first time attendee
registration fee available!
Advanced registration,
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**REGISTER
EARLY!**



www.ashrae.org/chicago | www.ahrexpo.com

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