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ASHRAE LONDON CANADA CHAPTER #116

TOPIC

ASHRAE Building Energy Quotient (bEQ)

SPEAKER

David Underwood, P.Eng Fellow ASHRAE, Life Member, CPMP

Meeting – MONDAY JAN 29/2018

5:15PM – SOCIAL

6:15PM – DINNER

7:15PM - PRESENTATION

MEETING LOCATION

BMO CENTRE 295 Rectory St., London

PLEASE USE PALPAL – ADVANCED PAYMENT BEFORE MEETING

<http://londoncanada.ashraechapters.org/PayPalPage.html>

\$50 for Preregistered

Jan meeting is STUDENT NIGHT – FREE when preregistered

\$60 at the door

Please register on the web site if you will be attending.

Chapter President's Message

Dear ASHRAE London members,

Happy New Year! We are now turning the corner of the half waypoint for our 2017-2018 season and while its cold outside it appears that, we have a value packed January February and March that should warm even the chilliest of interests. Our next meeting will see the return of David Underwood past president of ASHRAE to address the advances that have been made in the Building Energy Quotient program. This is a highly useful and powerful sustainability tool and places in the hands of the user the ability to benchmark facilities performance and then track them longitudinally. Very impressive and as always David will be presenting this in his masterful and interesting manner. This will also be another student night so please see James Scudamore with your contributions to sponsor students. This is our future.

February, as mentioned previously, will be a very special opportunity to have the current president of ASHRAE visit us to talk about how the globalization of ASHRAE will affect us in the future. Given the shortening of the distance between nations and peoples afforded to us through technology it is well in keeping that ASHRAE grow in this direction as well. We look forward to a truly insightful meeting in February.

If news of these meetings do not warm you then perhaps the announcement of our June golf tournament, will. As some of you may have seen, we are holding the tournament again this year at Greenhills on June 4, 2018. This tournament has quite a history and sells out quickly so please mark your calendars and register as soon as we open the registration.

Thanks once again for your interest and attendance. See you all over the winter months! As always, please feel free to reach out to any of the Board of Governors members with feedback (negative or positive) and help us to make your chapter truly remarkable.

Phil Cook

ASHRAE London Canada Chapter - President 2017/2018

ASHRAE RESEARCH

The chapter goal for 2017-2018 has been set at **\$13,500.00**

Current contributions = **\$1,550.00** (11% of goal)

Current Corporate Contributors

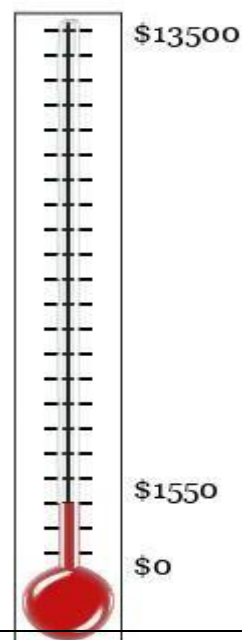
Emcad Consulting Engineers Inc (\$250)

Current Personal Contributors (\$100 each)

**Philip Cook, Khalid El-Kadri, Andrew D Crowley, Jordan Foster,
Tom Pollard, Ibrahim M Semhat, Benjamin Oliver, James Scudamore,
Karl W Gilroy, Kenneth Robinson**

Khalid El-Kadri

ASHRAE London Canada Chapter - Research Promotion Chair 2017/2018



Speaker**David Underwood, P.Eng
ASHRAE, Life Member, CPMP**dunderwood@hvacrtdu.com

David Underwood has served ASHRAE for many years at the Chapter, Region and Society. ASHRAE service includes being Society Treasurer, President-Elect and President. He was the founder of Isotherm Engineering Ltd. and Evaporative Tower Services Inc in Ontario, Canada. He received his engineering degree from the University of Manitoba in 1964.



Mr. Underwood is a Fellow in ASHRAE. He has received the Distinguished and Outstanding service awards and the William J. Collins award.

In his role on the Ontario Provincial Advisory Committee for the certified refrigeration trade, he developed the trade examination and courses for refrigeration apprentices and coauthored a safety manual for refrigeration mechanics. For many years Mr. Underwood was an active participant on the B-52 Mechanical Refrigerant Code committee for Canada. He also actively participated in developing the Refrigerant Management regulation for Ontario. Currently he serves on the Model National Building Code Committee.

Mr. Underwood has extensive experience in training operators and technicians through his role in Commissioning systems as a primary function of our design/build firm.

Topic**ASHRAE Building Energy Quotient (bEQ)**

GBCI Approved | 1 CE Hour | 0920010356

AIA Approved | 1 LU | UNDERWOOD02

bEQ labeling has two aspects "In Operation" and "As Designed". This discussion will cover the advantages and disadvantages of both these programs from a grass roots member point of view. There will be some discussion of local marketing of these programs in a fully developed form and the value of using both aspects together. For example in a real estate portfolio, there are opportunities to assist owners in containing energy costs with subsequent indoor air quality improvements. Qualifications for BEAP's and BEMP's will be covered with emphasis on value ASHRAE brings to its members.

Announcing New Building EQ Portal - ASHRAE In Operation Rating

ASHRAE's Building Energy Quotient (Building EQ) In Operation rating program provides a quick energy analysis that compares your building to similar buildings within the same climate, helps to identify means to improve your building's energy performance, and provides data on Indoor Environmental Quality.

LEARN MORE: <https://www.ashrae.org/resources--publications/building-eq>

To access the portal to log-in, create an account, join a project, enter submission data, generate reports, or review previously entered information: <http://buildingeq.ashrae.org/user/login>

Chapter Upcoming Meetings

Monday Feb 26, 2018

Topic: Extending Our Community

Bjarne Olesen, Ph.D.

Fellow ASHRAE

2017-2018 ASHRAE President



If you would like a visit from the ASHRAE Society President, please let one of the chapter executive know so that a visit can be planned while Bjarne is in London

Monday March 26, 2018

Thu April 19, 2018 – ASHRAE Society Webcast:

MYTHS ABOUT ENERGY EFFICIENCY

12:00noon Lunch 1:00-4:00pm webcast BMO Centre

Monday June 4, 2018 – ASHRAE London Chapter Golf Tournament

Greenhills Golf Club, 4838 Colonel Talbot Rd, London

New Building Code Requirements - Electric Vehicle Charging Systems

Ontario CodeNews Issue 255 - Amendments to Electric Vehicle Requirements in the 2012 Building Code

OBC 3.1.2.21 and 9.34.4.1 - Electric Vehicle Charging Systems

Parking spaces located in a building - not less than 20% of spaces require electric vehicle supply equipment and the remaining spaces must be designed to permit the re installation of electric vehicle supply equipment. This applies to buildings other than houses (detached house, semi-detached house, or a row house containing not more than two dwelling units), however it does not apply to apartment buildings.

Houses (detached house, semi-detached house, or a row house containing not more than two dwelling units) served by garage, carport or driveway require a 200 amp panelboard, 27mm conduit with pull capability and 4-11/16" square electrical box installed in garage/carport or near driveway. The conduit and box to be air sealed from the house.

See Ministry of Municipal Affairs and the Ministry of Housing.

<http://www.mah.gov.on.ca/Page18687.aspx>

Transition regulation - Ontario Regulation 563/17

<https://www.ontario.ca/laws/regulation/r17563>

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Chapter Meeting Table Top Displays

Are you a sales rep? Does your company have information that you wish to display and present at a chapter meeting? The chapter can arrange for a table top display at a chapter meeting. Just \$200 per meeting and includes one dinner.

Contact Matt Moore
226-808-4678
matthewjmoore36@gmail.com

Professional Development

Need hours for your professional development requirements?

Professional Engineers Ontario requires members to have yearly professional development training recorded through the Practice Evaluation and Knowledge (PEAK) program. Other groups also require continuing education.

Attend a chapter meeting to claim 1 hour towards your training.

ASHRAE Learning Institute Upcoming OnLine Courses

<https://www.ashrae.org/education-certification/instructor-led-online-courses>

see the web page for the latest information

ASHARE HVAC Design & Operation Training

ASHRAE Learning Institute offers three intensive HVAC Design & Operation training sessions that fills the need to improve overall building performance. Expand your knowledge and understanding of the fundamentals and technical aspects to design, maintain and operate new and existing HVAC systems. ASHRAE HVAC Design & Operation Training incorporates the latest information on Standards 55, 62.1, 90.1, 100 and 189.1

May 14-18, 2018 – Toronto, Canada

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



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CMPX 2018
MARCH 21 to 23, 2018
METRO TORONTO
CONVENTION CENTRE

<http://www.cmpxshow.ca>

ASHRAE Leadership Academy
ASHRAE Headquarters, Atlanta, GA
May 18-19, 2018

This is a crash course to simplify the learning curve of all things related to ASHRAE society activities:

- Gain a better understanding of how ASHRAE Society functions and how to get involved
- Obtain useful and practical knowledge essential for developing leadership skills
- Discuss hot topics and challenges identified by the attendees

Topics covered include:

- Creating an ASHRAE elevator speech
- Navigating the ASHRAE organizational structure
- Understanding all the tools and resources available to help chapters and their members succeed
- Managing effective meetings so that Board meetings and chapter meetings can run as smoothly as possible
- Delegating to and motivating volunteers towards the ASHRAE mission

Registration is required for the Leadership Academy, but there's no charge for the program. Interested individuals must first contact their Chapter President, who will communicate with the Region's Director and Regional Chair (DRC). Regional leadership will determine which Chapter candidates will receive financial support for their participation.



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2018 Winter Conference & AHR Expo in Chicago

This is one event you don't want to miss! Register now to attend the 2018 Winter Conference & AHR Expo in Chicago. The 2018 Winter Conference will be held January 20-24, at the Palmer House Hilton. The AHR Expo will be January 22-24, at McCormick Place. Your ASHRAE Winter Conference registration badge will provide entry into the AHR Expo.

2018 ASHRAE Winter Conference
ashrae.org/Chicago

SAVE \$30 FEE: REGISTER NOW ONLINE AT AHREXPO.COM

JOB POSTINGS

See web site for more information: <http://londoncanada.ashraechapters.org>

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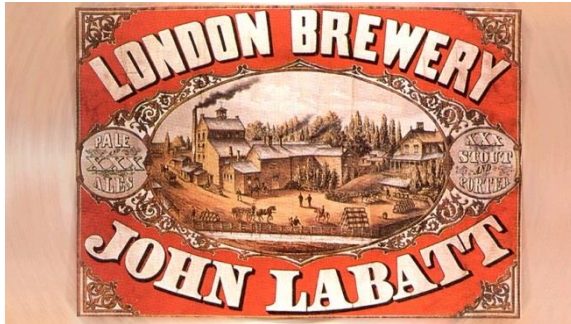
Thinking about applying for the ANSI-accredited, DOE-recognized Building Commissioning Professional (BCxP) certification? Then give the newly launched, online BCxP Practice Exam a try. It's a great way to become more familiar with BCxP certification exam content and difficulty.

With over 2,600 certifications earned to date, ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.

Questions? Contact Tim Kline, Certification Manager. Email: TKline@ashrae.org

YEA EVENT – Friday March 23/2018 at 6:00pm

LABATT BREWERY



Serving up the next round of YEA programming, the London YEA chapter has a private tour of the Labatt Brewery downtown London scheduled for Friday March 23rd @ 6:00pm. Come out for a pitcher sized dose of fun touring one of the largest breweries in Canada with a behind the scenes look at the brewing, fermenting, ageing, and packaging facilities. The tour is fully guided and with downtown being a 'hop, sip, and a jump' away the ~2 hour tour will be followed by social discussion of popular mechanics at a nearby establishment.

The group size is **capped at 15 people**, so tour spots are on a first come first serve basis. Approximate cost is ~\$15 (details to be finalized) which includes parking downtown, guided tour, and a full sampling session.

The event is open to all current YEA and potential future members.

Please r.s.v.p. by emailing: jeff.armstrong@trane.com

Jeff Armstrong

ASHRAE London Canada Chapter - YEA Chair 2017/2018

ASHRAE Earns Prestigious UN Environment Award for Dedication in Advancing Montreal Protocol

ASHRAE has received the prestigious Partnership Award from the United Nations Environment Programme's (UN Environment) Ozone Secretariat for its extraordinary commitment and contribution to the progress and achievements of the Montreal Protocol on Substances that Deplete the Ozone Layer, which is celebrating its 30th anniversary.

The award was presented to ASHRAE at the 2017 Ozone Awards ceremony on Nov. 23 in Montreal. The Partnership Award recognizes the work of civil society and other international organizations that have played a critical role in the development of the Kigali Amendment and/or implementation of the Montreal Protocol.

"We could not be more pleased to have earned this recognition. Receiving the Partnership Award is a great honor and acknowledgment of the tireless work ASHRAE and our members are doing to support the phase-out activities of ozone-depleting substances around the world," said 2017-2018 ASHRAE President Bjarne W. Olesen, Ph.D. "We are proud to be a part of this initiative and look forward to continuing our partnership with UN Environment as we work toward a more sustainable built environment."

Commonly referred to as "the treaty that saved the ozone layer," the Montreal Protocol, signed in 1987, is an international agreement designed to substantially reduce emissions of substances that deplete the stratospheric ozone layer. The Protocol has led to the phase-out of more than 99 percent of nearly 100 ozone-depleting chemicals and significantly contributed to climate change mitigation, according to UN Environment.