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# ASHRAE LONDON CANADA CHAPTER #116

**TOPIC**

## EXTENDING OUR COMMUNITIES

**SPEAKER**

**Bjarne Olesen, Ph.D.**

**Fellow ASHRAE**

**2017-2018 ASHRAE President**

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### **Meeting – MONDAY FEB 26/2018**

5:15PM – SOCIAL

6:15PM – DINNER

7:15PM - PRESENTATION

**MEETING LOCATION**

**DELTA ARMOURIES**

**325 Dundas St., London**

PLEASE USE PALPAL – ADVANCED PAYMENT BEFORE MEETING

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

\$50 for Preregistered

\$10 for Students

\$60 at the door

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

Feb is membership Night – bring an associate to the meeting



## **Chapter President's Message**

Think Globally Act Locally!

By now, the phrase used as the title of this message, is likely to be considered a cliché. Its roots are in social activism and while its exact origin is disputed, the concept harkens back to as early as 1915. When used, the phrase reminds us of the “shrinking” of the once vast distances between our countries and communities. In addition to this shrinking of geographies is an increased sharing of ideas and information across the associated geographies. ASHRAE was once a singular North American community of interest influencing the continental codes and methods for the built environment. Now, ASHRAE has evolved into a global entity and is providing similar influence on the built environment the planet over.

This translates into an even richer and more fulfilling organizational knowledge base. What that means for the group here at the local level is that we can take advantage of a global wealth of knowledge that we might apply in our local areas. Lessons are now available for us to learn and to teach to and from our compatriots around the world.

This month we have the honor of having as our guest the president of ASHRAE society Dr. Bjarne Olesen. The president of our society reigns from Denmark and is a prime example of the opportunity that awaits us in embracing our new global ASHRAE organization. I encourage all of the membership to attend this special occasion, as we do not often have the opportunity to meet with the president of our organization. I would also recommend inviting a friend who may or may not be a member as this will demonstrate the organization at its best. Who knows, this may be an opportunity to encourage a colleague to become a member on membership night?

Looking beyond this, we have opened up the registration for the golf tournament. This year we are offering a “dinner only” option for those who are not interested in a relaxing day on the course. This event sells out quickly every year so please register your group early to ensure your place is reserved.

Please stay tuned for a very special March meeting as well. As usual, we are looking for sponsorship of students and for Young Engineers in ASHRAE to join in for a great event at the Labatt brewery. Also, please mark Thursday April 19 in your calendar for an insightful lunchtime webinar regarding making energy efficiency a reality. Last but not least it is again time for us to reach out for contributions to ASHRAE research – when someone calls please be generous as this money goes to keeping our organization on the cutting edge of the industry and toward maximizing our impact globally.

Think globally and act locally.

Sincerely,

**Phil Cook**

**ASHRAE London Canada Chapter - President 2017/2018**

ASHRAE is excited to announce that a **newly redesigned ashrae.org website** will be available **Wed Feb 14th!** Website development efforts have focused on simplifying content and streamlining navigation. A few key features we think you'll be excited about: device-responsive layout for smart phones and tablets; mega-menus to offer more information at a quick glance; enhanced Amazon Elastic search engine provides thousands of relevant results from ashrae.org, ASHRAE's Bookstore, ASHRAE's Technology Portal; opportunity for locally-targeted content based on a website visitor's location;

**Be sure to check out the new website on Wednesday, February 14th.**

Thank you for your support of ASHRAE.

## **Speaker**

**Bjarne Olesen, Ph.D.**

**Fellow ASHRAE**

**2017-2018 ASHRAE President**



Olesen is the Director of the International Center for Indoor Environment and Energy and a Professor at Danish Technical University.

In addition to his time served on the Board of Directors, Olesen has been a part of many technical committees and been a Coordinating Officer of various committees, most recently: Conferences and Expositions Committee, Chapter Technology Transfer Committee, Honors and Awards Committee, Grassroots Government Advocacy Committee, Membership Promotion Committee, Research Promotion Committee, Student Activities Committee and Young Engineers in ASHRAE Committee.

For his efforts and dedication to ASHRAE, Olesen is the recipient of the Lou Flagg Historical Award, Fellow Award, Exceptional Service Award and Distinguished Service Award.

Olesen earned his Ph.D. in Heating and Air Conditioning in 1975 and Master of Science in Civil Engineering in 1972 – both degrees obtained from the Technical University of Denmark as well as published more than 350 papers including more than 60 in peer reviewed journals.

## **Topic**

### **Extending our Community**

For Olesen's theme, "Extending our Community," he focuses his theme on three directives: extend our global community; extend our technological horizons; and extend our value to members.

"Extending our global community will acknowledge our interconnectedness worldwide and embrace our shared needs and objectives," Olesen said. "The technical guidance we produce for all members is made stronger by global diversity."

From the start of Olesen's time with ASHRAE, he did not have the opportunity to get involved with a local chapter to dedicate his time and efforts to the HVAC industry – and believes in the importance of working together to create a better built environment.

"Many of our members are only active on one side – either the technical side, mainly at the Society level, or the grassroots side at the local chapter level," Olesen said. "However, one side cannot live without the other. We will work to extend our global connections and more strongly link our members worldwide. Doing so will strengthen our Society's knowledge base, community reach and ability to shape a more sustainable world."

## Chapter Upcoming Meetings

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

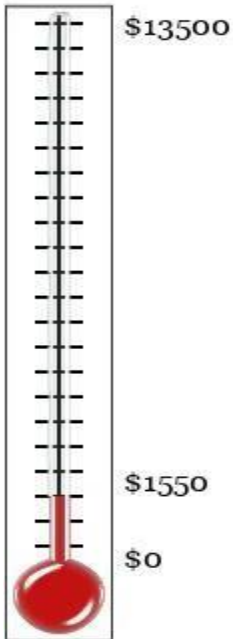
Greenhills Golf Club, 4838 Colonel Talbot Rd, London

\$700/group, \$125 hole sponsor, \$60 dinner only

**\*\*\* Registration & Paypal links now on \*\*\***

<http://LondonCanada.AshraeChapters.org>

## ASHRAE RESEARCH



\$13500

\$1550

\$0

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

### ASHRAE Standards Notice

ANSI/ASHRAE Standard 134-2005 (RA 2014), *Graphic Symbols for Heating, Ventilating, Air-Conditioning, and Refrigerating Systems*, has been withdrawn. Please reference **2017 ASHRAE Handbook—Fundamentals, Chapter 38, "Abbreviations and Symbols,"** for the information previously found in ANSI/ASHRAE Standard 134.

Web Link: <https://www.ashrae.org/resources--publications/handbook/2017-ashrae-handbook-fundamentals>

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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](mailto: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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**ASHRAE TRAINING AT CMPX 2018**

**Toronto**

**Complying with ASHRAE Standard 90.1-2013**

Wednesday, March 21, 2018 9:00am – 12:00pm

Cost: \$184 USD / \$234 CAD (\$139 USD / \$177 CAD ASHRAE Member)

Course Summary: The 2013 version of ASHRAE Standard 90.1 is widely used by many state and government entities. Learn the background and development of ASHRAE Standard 90.1, its requirements and compliance paths, and how to understand and apply the requirements. Key updates for each of the major building systems will be discussed. This includes the HVAC system, lighting system, building envelope, service water heating, and power. You will learn key mandatory and prescriptive requirements applicable to each system, as well as whole-building compliance options. Case studies and in-class exercises are included as appendices to the classroom presentation.

**Using Appendix G of ASHRAE Standard 90.1-2016**

Thursday, March 22, 2018 9:00am – 12:00pm

Cost: \$184 USD / \$234 CAD (\$139 USD / \$177 CAD ASHRAE Member)

Course Summary: Learn how to use the innovative new performance rating method in Appendix G of ASHRAE Standard 90.1-2016. Learn to apply the new rules and procedures via whole-building energy simulations to demonstrate that a building has much better energy performance than a building that just meets the requirements of ASHRAE Standard 90.1-2016. See how Appendix G-2016 can be used to show compliance with ASHRAE Standard 90.1-2016; this is the first time Appendix G has been usable in this manner

See web site for more information and registration

<https://www.ashrae.org/education-certification/ashrae-courses-at-industry-events/cmpx-2018>



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## **JOB POSTINGS**

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

## **CULLITON**

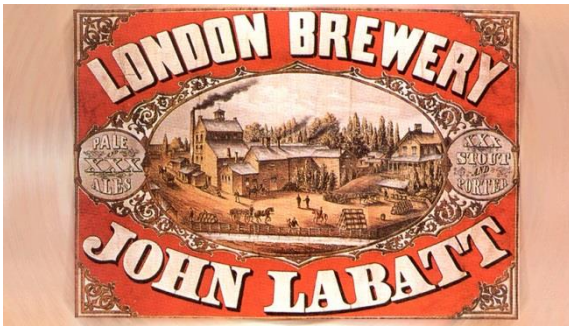
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## **Systemair - Changeair**

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## **YEA EVENT – Friday March 23/2018 at 6:00pm** **LABATT BREWERY TOUR + TASTING**



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.

Festivities will include:

- Fully guided tour looking at the brewing, fermenting, ageing, and packaging facilities
- Exclusive behind the scenes look at the power plant + refrigeration room equipment
- Fully CATERED (wings, wraps, finger food) tasting hour after initial tour

The group capacity is 15 people so tour spots are on a first come first serve basis.

Cost is \$25 which will include all of the above and parking at the facility.

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

Please r.s.v.p. by email: [jeff.armstrong@trane.com](mailto:jeff.armstrong@trane.com)

Jeff Armstrong

ASHRAE London Canada Chapter - YEA Chair 2017/2018

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## **New Standard 90.1 Portal Offers Centralized Resources to Users**

A **new online portal** makes it easier for building professionals to access the suite of resources related to ASHRAE Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings. Features of the portal include a multi-publication online tool that enables users to view each publication side by side or separately; access to Standard 90.1 User's Manual, which provides detailed instruction for design of commercial and high-rise residential buildings to ensure standard compliance; and a redlined version of Standard 90.1 showing what changes were made from the previous edition. Users can visit: <http://www.ashrae.org/901portal> to set up login credentials and access the portal. In the portal, users can personalize their experience. Users can preview the software for free through March 15.



## **CONESTOGA COLLEGE**

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(4 year degree)

The Bachelor of Engineering - Building Systems Engineering (BSE) program is the newest professional engineering degree offering in the School of Engineering and Information Technology and is delivered at the honours level. This degree program is unique in Canada as it relates to the complex and ever-changing world of buildings and will allow you to start down the path to pursuing a professional engineering career through licensing with Professional Engineers Ontario. It is geared to motivated individuals looking for challenging careers in building systems, energy and utilities management, building operations and facility management.

Visit the website at:

[www.conestogac.on.ca/fulltime/bachelor-of-engineering-building-systems-engineering](http://www.conestogac.on.ca/fulltime/bachelor-of-engineering-building-systems-engineering)

For more information please contact: [BSE@conestogac.on.ca](mailto:BSE@conestogac.on.ca)

We are accepting first year students for the 2018 fall semester. Conestoga will also probably be hiring a faculty to teach in the program so anyone interested should watch the careers postings for Conestoga.

If any company would like more information on the program, I would be quite happy to come and speak to them. We are also trying to find out the best software to use for students in the program, so would appreciate feedback from users. At present we plan to teach AutoCAD and Revit.

Colin McGugan, M.Eng., P.Eng. <[CMcgugan@conestogac.on.ca](mailto:CMcgugan@conestogac.on.ca)>

Professor, School of Engineering and Information Technology

Conestoga College ITAL, Cambridge, ON

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## **National Engineering Month 2018**

### **MARCH 2018**

National Engineering Month (NEM) is a special occasion in the hearts of engineers across the nation. It's an opportunity for volunteers to bring engineering to life and showcase its relevance to youth and the public through a variety of outreach events and online campaigns. It's also an opportunity for engineers to reconnect with a subject they've devoted their careers to, reigniting their passion for creation, collaboration and problem solving.

NEM 2017's theme "There's a place for you!" expands into 2018 as NEM continues to promote diversity and inclusion in engineering. Showcasing this theme is a priority for every event, with students and professionals demonstrating that anyone can be an engineer with passion and dedication. With the challenges of the 21st century emerging as more urgent and complex than ever before, our profession must diversify to match the rapidly broadening fields, industries and tools. It is our responsibility to prepare today's youth for a world our generation could never have imagined.

The strength of NEM celebrations in Ontario is in no small part thanks to the partnership of organizations working together to bring engineering to life in meaningful ways. Through collaboration, the Ontario Association of Certified Engineering Technicians and Technologists (OACETT), Ontario Society of Professional Engineers (OSPE), Engineers Without Borders Canada (EWB) and PEO have helped the initiative grow.