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pcook@ehpricesales.com

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ASHRAE LONDON CANADA CHAPTER #116

WEBCAST

MAKING ENERGY EFFICIENCY A REALITY

PRESENTERS

TOM DURKIN, PE, LEED® AP, ASHRAE FELLOW
MARK FRANKEL ASHRAE, AIA, LEED AP FELOW
CHRISTOPHER MATHIS, MEMEBER ASHRAE

Webcast – THU APRIL 17/2018

12:00 Noon – LUNCH

1:00PM to 4:00PM – WEBCAST

**3 Professional Development Hours (PDHs), 3 GBCI Continuing
Education (CE) Hours, or 3 AIA HSW Learning Units (LU/HSWs)**

MEETING LOCATION

BMO CENTRE

295 Rectory St., London

PLEASE USE PALPAL – ADVANCED PAYMENT BEFORE MEETING

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

\$25 for Preregistered

\$10 for Students

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



Chapter President's Message

The Subjective Side of Engineering?

Obviously, energy expenditure around the globe is greatly concentrated on the human species sheltering itself from the elements. Estimates are in the neighborhood of 40% of all energy expended globally is done so in our buildings. This is a large number and the reduction of this expenditure is placed squarely upon the shoulders of the construction engineering, contracting and development communities. As a result, the search is constant for better designs, richer technologies and novel technologies to advance our efforts. However, often our designs and methodologies do not meet the intended objective, which raises the question – are objective means sufficient to achieve our energy efficiency goals?

Often there is a disconnect between the design of a building and how the occupants understand and use the building. Plug loads increase, rumors abound and misunderstanding produce conflicts and objectives that are at cross-purposes to those originally intended by the designers and builders. Thus, the subjective side of engineering. It is possible to contemplate, that, to fully realize the objective technology improvements in a building, the occupants must be educated and involved in the conversation of why technologies have been selected and how the building has been designed. The subjective side of engineering.

This month we are holding a webinar with some of the world's leading authorities on energy efficiency and pragmatism. They will be discussing real world situations, technologies and best practices regarding what works and what does not in this domain. I invite and encourage all to attend this webinar and enjoy a lunch while feeding your intellect with what is surely a rare opportunity to hear what these experts have to say. The lunch will be held at the BMO centre and is very reasonably priced at \$25.00. This will take the place of an April dinner meeting.

Please do not forget to sign up for the golf tournament coming up in June (and filling up quickly). Thanks to all of those organizations and individuals who have sponsored students this year – if you have not there is still time. Also, our research drive is in full swing and we hope that everyone will continue with your generous donations as they are the life blood of this organization and provide an easy way to have a huge impact in the world today.

Thanks for all that you do for ASHRAE. See you all in the months to come.

Phil Cook

ASHRAE London Canada Chapter - Chapter President 2017/2018

Student Sponsors

Consider Sponsoring a Student Meal - just \$50 per meal
USE PAYPAL on the Chapter Web Site

Current contributors: John Azzopardi (\$100), Tom Pollard (\$100), Scott Edmunds (\$50), Odell Associates (\$50), Rep-Can (\$50), EH Price (\$100), Somers Environmental (\$50)

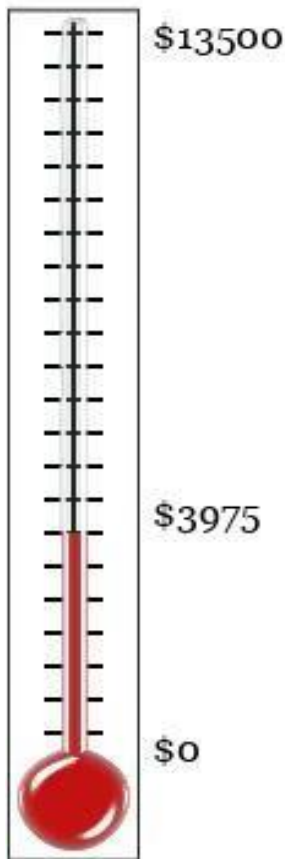
WEBCAST- Thu April 19/2018

MAKING ENERGY EFFICIENCY A REALITY

Is advanced technology alone solving the case for energy efficiency? Delivering meaningful energy efficiency in buildings often requires debunking myths about building products, performance and solutions. This webcast will focus on strategies and policies that dive into deep efficiency goals. Featured ASHRAE speakers will address myths and realities they've discovered through real life experiences. Viewers will learn how a practical design approach can help achieve optimum energy performance in commercial and high-rise residential buildings across the globe. With varying climates and economies, one must consider a holistic approach when assessing a building and its systems.

ASHRAE RESEARCH

The chapter goal for 2017-2018 has been set at **\$13,500.00**
Current contributions = **\$3,975.00** (29% of goal)



Current Corporate Contributors

- Emcad Consulting Engineers Inc (\$250)**
- Mechanical Contractors Assoc – London (\$250)**
- Drennan Refrigeration Incorporated (\$200)**
- Somers Environmental Products Inc (\$250)**
- Linde Mechanical Inc. (\$250)**
- Airia Brands (\$300)**
- Roberts Bros Sheet Metal Contractors Ltd (\$200)**
- E H Price Sales Limited – London (\$300)**
- London ASHRAE Chapter (\$100)**

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- Ben Oliver (\$100), James Scudamore(\$100), Karl Gilroy (\$100)**
- Khalid El-Kadri (\$100), Philip Cook (\$100), Andrew Crowley (\$100)**
- Jordan Foster (\$100), Kenneth Robinson (\$400), Ibrahim Semhat (\$100)**
- Tom Pollard (\$100), John Freeman (\$100), Jerald Lavender (\$124.61)**
- Derek B Vakaras (\$250), Andrew Piatek (\$100),**

See: <http://www.ashrae.org/contribute>

Khalid El-Kadri
ASHRAE London Canada Chapter - Research Promotion Chair 2017/2018

Chapter Meeting Presentations

Be sure to check out the chapter web site for past meeting presentations

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

Chapter Upcoming Meetings

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 HVAC COURSES

<https://www.ashrae.org/professional-development>

Learning Portal, ASHRAE Certification, Job Board, Educator Resources

HVAC Design: Level I - ESSENTIALS

MAY 14-16, 2018 – TORONTO, ONT

Essentials provides intensive, practical training ideal for recent technical or engineering school graduates, engineers new to the HVAC field, those who need a refresher in new technologies, and facility managers, sales representatives and others who want to gain a better understanding of HVAC fundamentals, equipment and systems.

HVAC Design: Level II- APPLICATIONS

MAY 17-18, 2018 – TORONTO, ONT

MAY 28-29, 2018 – HALIFAX, NS

Applications provides instruction in HVAC system design for experienced HVAC engineers and those who have completed the HVAC Design: Level I – Essentials. The training covers the technical aspects of design and allows participants an opportunity to expand their exposure to HVAC systems applications to increase energy savings and improve indoor environmental quality.

ASHRAE Leadership Academy May 18-19, 2018

ASHRAE Headquarters, Atlanta, GA

<https://www.ashrae.org/membership/leadership-academy>

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.

Registration is required for the Leadership Academy, but there's no charge for the program. Interested individuals must first contact their Chapter

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Larry Ferreira

Canadian Regional Sales Manager

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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.

CHAPTER ELECTIONS

The Chapter operates with a **Board of Governors** consisting of: President, Vice President, Treasurer and Secretary. Each year these positions must be filled. Nominations for the board positions are now open until June 1.

Additionally, the chapter needs members to operate in Committees for:

- Membership Promotion (MP)
- Research Promotion (RP)
- Student Activities (SA)
- Young Engineers In ASHRAE (YEA)
- Technology Transfer Chair (CTTC)
- Grassroots Government Activities (GA)
- History
- Newsletter
- Website
- Chapter Golf Tournament

If you or someone you know can assist in any way, please forward your name to a Board member of the chapter.

The ASHRAE London Chapter also belongs to ASHRAE REGION 2. The region consists of 9 chapters from eastern Canada. There is a Region 2 Conference (CRC) this summer Fri Aug 24 to Sun Aug 26 in Windsor. Chapter Board and Committee members attend the CRC for training and review of how other chapters operate. Please contact a Board member if you are interested in attending. See: <http://region2.ashraeregions.org/>



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Scott Turner, *Technical Sales Rep*

96 Meg Drive, London, Ontario N6E 3T7
Phone: 519-681-1977 Fax: 519-686-9324 Cell: 519-673-9182
Email: scott@somersep.com



*Norm Clarke, P. Eng.
District Manager*

Trane Canada
8 Belleisle Court
London, On N5V 4L2
Tel 519 453 3010
Fax 519 453 3024
Windsor Tel 519 256 7922
Sarnia Tel 519 337 0740

Jason Vandenberghe *Technical Sales Representative*



Sales & Marketing Inc.

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www.aquatech.ws

Jim Bender, P.Eng., LEED AP®
Contracting Sales
jim.bender@hts.com
C 519.871.0866

HTS London
320 Neptune Cres.
London, Ontario N6M 1A1
T 519.457.6700 Ext. 2601
F 519.457.8900
Toll Free 800.341.3110
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1 Royal Gate Boulevard, Unit J
Vaughan, ON Canada L4L 8Z7

Arun Arora
Account Executive

Tel: 905-264-6372 Ext. 204
Fax: 905-264-6432

aarora@belnor.com

www.belnor.com



Paul Glendenning
Regional Sales Manager
SPX Cooling Technologies, Inc.

4141 Sladeview Crescent, Unit 19
Mississauga, Ontario L5L 5T1
CANADA
MOB 416 464 0838
TEL 905 607 6446 x347
FAX 905 607 6447
paul.glendenning@spx.com
spxcooling.com





2018 ASHRAE Annual Conference Houston, TX | June 23–27, 2018

The 2018 ASHRAE Annual Conference will be held in Houston, June 23–27, 2018. The Technical Program along with Committee meetings, Registration, Bookstore, and Speakers Lounge will be held at the Hilton Americas hotel and the George R. Brown Convention Center.

Conference Tracks include:

- HVAC&R Systems and Equipment
- Fundamentals and Applications
- District Energy and Cogeneration Plants
- HVAC & Resiliency: Safeguarding our World
- Residential – Modern Building in Hot and Humid Climates
- Professional Skills
- Research Summit
- HVAC&R Control Freaks
- HVAC&R Analytics

See: <https://www.ashrae.org/conferences/annual-conference>

REGISTER NOW Early Bird registration fees March 1 – April 30, 2018
 \$535, member / \$745, non-member / \$135, Life

Member

\$510, first-time member attendee / \$720, first-time
 non-member attendee

Look for ASHRAE 365 in the App Store and Google Play May 1

True to its name, ASHRAE 365 can be used year round for one click access to information about events, standards and guidelines, continuing education, industry jobs, and much more. ASHRAE 365 will also provide the tools you've come to appreciate in a conference app, like the ability to create your itinerary, provide feedback about speakers, and connect with attendees. Look for ASHRAE 365 in the App Store and Google Play May 1, just in time for the Annual Conference in Houston.



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JOB POSTINGS

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

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2018 Handbook PDFs on Technology Portal

Starting with the **2018 ASHRAE Handbook Refrigeration**, ASHRAE Handbook PDFs will be distributed via a download from ASHRAE Technology Portal, as the ASHRAE Handbook CD will no longer be manufactured or distributed.

Beginning on June 1, 2018, members who are entitled to receive the PDFs as all or part of their Handbook benefit can go to the Technology Portal and download the entire volume or individual chapters, using their ASHRAE member login information. The change from CD to download delivery has been implemented in response to the needs of many members who no longer have disk drives on their computers, and to avoid problems associated with mailing CDs to ASHRAE's global membership. The PDFs will also be available by subscription to non-members.

The NEW ashrae.org

Be sure to look at the new **ASHRAE.ORG** web site which is now live and offers exciting new features for everyone.

Honors and Awards Deadline May 1, 2018

<https://www.ashrae.org/membership/honors-and-awards>

Take some time today to nomination yourself or another deserving member! Submit nominations for one or more of the following awards:

- Distinguished Service Award
- Exceptional Service Award
- Louise and Bill Holladay Distinguished Fellow Award
- Andrew T. Boggs Service Award

May 1st is the deadline for the receipt of nominations for several ASHRAE Awards. To learn more about these awards and to download nomination materials, please visit the **Honors and Awards webpage** or contact the staff liaison Candace Pettigrew at cpettigrew@ashrae.org or (678) 539-1128.

Authoritative HVAC&R Information on the Spot

ASHRAE POCKET GUIDE FOR AIR-CONDITIONING, HEATING, VENTILATION, REFRIGERATION, 9TH ED

This top-selling ASHRAE publication has been revised to include updates from the four current volumes of the ASHRAE Handbook series and the latest ASHRAE Standards. This edition also features a renewed emphasis in basic design aids: content on more specialized system types has been replaced by an appendix containing climatic design data for selected worldwide locations. **In the ASHRAE Bookstore**

Upcoming 2018 ASHRAE Online Courses www.ashrae.org/onlinecourses

Commissioning Process in New & Existing Buildings	April 23rd - 1:00 pm to 4:00 pm, EDT – Part 1 April 30th - 1:00 pm to 4:00 pm, EDT – Part 2
Complying with ASHRAE Standard 90.1-2013	Tues, May 8, 2018, 1:00 pm to 4:00 pm, EDT
Complying with Standard 90.1-2016: Appendix G	Thurs, May 10, 2018, 1:00 pm to 4:00 pm, EDT
NEW! Understanding and Designing Chilled-Beam Systems	Tues, May 15, 2018, 1:00 pm to 4:00 pm, EDT
Updated! Fundamentals and Application of ASHRAE Standard 55	Wed, May 23, 2018, 1:00 pm to 4:00 pm, EDT
Design of Affordable and Efficient Ground Source Heat Pump Systems	Tues, June 12, 2018, 1:00 pm to 4:00 pm, EDT