



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon June 6/2016

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### **Newsletter**

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### **Assistent Regional Chair**

Ibrahim Simhatl

## **Social Event**

# **ASHRAE LONDON CANADA CHAPTER GOLF TOURNAMENT**

## **Location**

FIRE ROCK  
GOLF & COUNTRY CLUB  
10345 Oxbow Dr., Konoka

## **Meeting - MONDAY JUNE 6/2016**

10:00am Registration and Social

11:00am BBQ Lunch

11:30am Trick Show - Brett Cleverdon

12:00pm Golf

5:00pm Dinner and Banquest

## **ASHRAE LONDON GOLF TOURNAMENT**

**Monday June 6/2016**

Fire Rock GCC  
 10345 Oxbow Dr., Komoka

10:00am Registration and Social

11:00am BBQ Lunch

\*\*\*\* 11:30am Trick Show - Brett Cleverdon \*\*\*\*

If you missed Brett's demonstration last year - be sure to see this year

12:00pm Golf

5:00pm Dinner and Banquet

HOLE IN ONE COMPETITION - 11th Hole = \$5,000

BE SURE TO GET YOUR MULLIGAN BEFORE THE EVENT

A silent auction table will be set up - if you could donate items it would be appreciated.

See chapter web site for flyer, registration form and Paypal links  
<http://londoncanada.ashraechapters.org>

## **Upcoming Meetings**

Chapter Regional Conference (CRC)  
 Aug 26, 27, 28/2016, Moncton, NB

### Other Meetings

June 25 to 29, 2016 = ASHRAE Annual Conference - St. Louis, MO  
[www.ashrae.org/stlouis](http://www.ashrae.org/stlouis)

Technical Program for the 2016 Annual Conference is now available online. Don't forget to register before June 7th to receive the discounted rate. The Conference kicks off at the Missouri History Museum where you can reconnect with friends and meet new ones while exploring a variety of exhibits, including "Route 66: Main Street Through St. Louis" and "The Little Black Dress, From Mourning to Night." We hope to see you all there!

Jan 28 to Feb 1, 2017 = ASHRAE Winter Conference - Las Vegas, NV



**Join us at  
ASHRAE's 2016  
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#### April Chapter Meeting Highlights

ASHRAE Scoety webcast was watched by members at the BMO Centre.

Making Net Zero Net Positive: Solving the Efficient & Cost Paradox.

The presentors explained what was possible and showed several projects that have achieved Net Zero status.

Additional Resources can be found on the Society web site  
[www.ashrae.org/membership--conferences/webcasts/webcast-archives](http://www.ashrae.org/membership--conferences/webcasts/webcast-archives)

#### Next Year's Webcast

April 20, 2017 1:00 – 4:00 PM EDT

The subject for the April 2017 ASHRAE Webcast is “**Integrating Control Technology and Analytics for Optimal Building Performance.**”

The webcast program will focus on integrating control technology and analytics for optimal building performance. Presenters will discuss the use of building automation systems and smart device information to enhance the day-to-day operation of the building. Viewers will learn how this can be used to create a feedback response to help identify equipment or components in need of maintenance, and what owners, operators and designers should be able to expect these systems to achieve.

#### NB/PEI CHAPTER

DWIGHT GEORGE SCOTT  
 1941 - 2016

Dwight George Scott, age 74, of Riverview, passed away on Tuesday, May 24, 2016, at the Dr. Georges-L.-Dumont University Hospital Centre.

Dwight's interest in Engineering led to a teaching career at the University of New Brunswick from 1964-2001, which, at various times, also included being Director of Undergraduate Studies within the Faculty of Engineering, and Dean of Residence.

Dwight volunteered for a number of organizations, including Big Brothers/Big Sisters, Canadian Automobile Sports Club, the Canadian Mental Health Association and Forest Dale Nursing Home. Especially since his retirement, Dwight enjoyed being able to expand his activities with ASHRAE, the American Society of Heating, Refrigerating and Air-Conditioning Engineers – NB/PEI Chapter. He enjoyed his music and volunteered at the Riverview Arts Centre as well as attending various musical concerts and festivals. But most of all, he enjoyed his family and looked forward to the reunions which usually happened every couple of years.

Dwight became increasingly active with the NB/PEI Chapter of ASHRAE after retiring from a lengthy teaching career at the University of New Brunswick. Dwight held several chairs at the chapter level including President (twice), Membership, CTTC, Student Activities, Newsletter Editor, and Historian. He was a tireless organizer and devoted a great deal of his time to the Chapter and Region II. We are going to miss him.



[www.somersep.com](http://www.somersep.com)

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## **ASHRAE LONDON CANADA CHAPTER BOARD ELECTIONS**

THE YEARLY CHAPTER ELECTIONS ARE NOW OPEN FOR BOARD POSITIONS President, VicePresident, Treasure, Secretary need to have names brought forward for the 2016-2017 year. If you are interested in helping the chapter operate, please offer your assistance. Chair positions also need to be filled.

New Board and Chairs are to be installed to their new positions at the June golf tournament so they can plan for the upcoming year.



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## **ASHRAE RESEARCH**

The following have contributed to ASHRAE Research  
Honor Roll level contributors will be listed in the ASHRAE Journal.

### **Individual Donors - \$100+ (Honor Roll Level)**

Tom Pollard	Ibrahim Semhat
Jordan Foster	Karl Gilroy
James Scudamore	Philip Cook
Khalid El-Kadri	John Freeman
Peter Golem	Scott Edmunds
Jerald Lavender	Derek Vakaras
Daryl Somers	Andrew Piatek

### **Corporate Donors - \$250+ (Honor Roll Level)**

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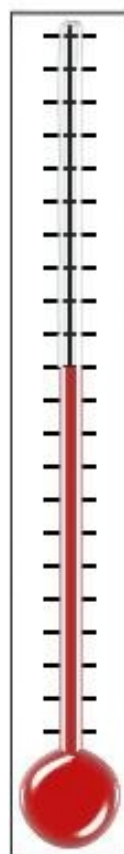
### **Corporate Donors - Up to \$250**

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Please assist ASHRAE Research and the London Canada reach it goal.

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

Thank You to all the donors!  
ASHREA London Canada  
James Scudamore - RP Chair



\$12500

**Chapter Goal**  
**\$12,500**

\$6950

**Current Research**  
**contributions**  
**\$5,250**

**56% of goal**

\$0





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## **CONNECT-A-COLLEAGUE**

Informing colleagues about ASHRAE takes less than 1 minute now with Connect-a-Colleague. During #MarchIntoMembership contest you could win a \$500 American Express gift card when your colleagues join ASHRAE through your customized email referral. Connect-a-Colleague simply creates an automated email on your behalf and the more people you invite during the month of March, the more chances you have to win.

ASHRAE member referrals continue to be the top reason new members join. As an ASHRAE member, your referral is a very powerful tool that can benefit your colleagues, your Society, and the HVAC&R industry. Please take a minute to Connect-a-Colleague today.

Get started now: Connect-a-Colleague  
[ashrae.org/connect](http://ashrae.org/connect)

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## **ASHRAE JOB BOARD**

Having trouble finding the time to search through all of the available jobs on ASHRAE Job Board? Let ASHRAE do the work for you! Create a personal job alert and new jobs that match your search criteria will be emailed directly to you.

Our Job Alerts will: match jobs to your customized criteria; notify you when potential opportunities become available; allow you to focus on other career-building activities, such as networking

Sign up for job alerts today on ASHRAE Job Board and you will be notified as soon as the jobs you want are posted!

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## **ASHRAE Certification, Course Recognized in Federal Building Personnel Professional Development**

ATLANTA – Personnel who work at U.S. federal buildings can now include their ASHRAE certification and an ASHRAE course in their professional development plan.

ASHRAE's Building Energy Assessment Professional (BEAP), Commissioning Process Management Professional (CPMP), and Operations & Performance Management Professional (OPMP) certifications and the ASHRAE Learning Institute's Fundamentals of Building Operation, Maintenance and Management course have been reviewed by the Facility Management Institute of the U.S. General Services Administration and are now considered Federal Buildings Personnel Training Act (FBPTA)-Aligned. The process included reviewing learning objectives, skills taught and material covered.

"Recognition of these ASHRAE qualifications as 'FBPTA aligned' not only is confirmation that ASHRAE certifications and courses are relevant and meet industry need, but it also will be a boon to federal employees charting their professional development," Cameron Labunski, P.E., CPMP, HBDP, HFDP, ASHRAE Professional Development Committee chair and incoming Certification Committee vice chair, said.

These qualifications have been included in the 2015 Core Competencies and Recommended Curriculum and added to the Accelerate FM tool, designed to help personnel manage professional development. Federal buildings personnel can meet FBPTA requirements in competency area performances ranging from 13 to 98 with one of these ASHRAE qualifications.

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## **Save Up to \$100 On Your Certification Application Through June 30th**

Are you ready to take the next step in your career? After having remained the same for nine years, certification application fees will increase beginning July 1. After you apply, you have three months to schedule and sit for your exam - so why wait?!

Already recognized by over 25 national, state and local government bodies – and with over 2,250 certifications earned – ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.

Apply by June 30 to sit for an ASHRAE Certification exam in one of these key fields: Energy Assessment | Energy Modeling | Commissioning | Healthcare Facility Design | High Performance Building Design | Building Operations.

Contact Certification Coordinator - Erin Dupree <[certification@ashrae.org](mailto:certification@ashrae.org)> with questions

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## **ASHRAExCHANGE**

Want to stay updated with ASHRAE instantly? Log onto to ASHRAExCHANGE to ask questions, discuss industry news and connect with other engineers!

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#### ASHRAE and AFE Sign Agreement of Understanding

ATLANTA – ASHRAE and the Association of Facilities Engineering recently signed a memorandum of understanding, which outlines how the two groups can work together toward promotion of common endeavors.

Under the agreement, ASHRAE and AFE will look for ways to work together in regard to advocacy, chapter collaboration, conferences and meetings, education and technical activities.

“AFE is focused on the optimal operation of plants, grounds and offices at a variety of built environment locations, such as medical centers and Fortune 500 companies, so working with them is a natural fit for ASHRAE,” ASHRAE President David Underwood said.

“With buildings and facilities systems world-wide becoming more complex, ASHRAE’s many publications, but especially their code-intended-documents, are a necessity for our membership as well as the success of facility operations worldwide,” AFE President Roy Nation said.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 55,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. More information can be found at [www.ashrae.org/news](http://www.ashrae.org/news).

Founded in 1915, The Association for Facilities Engineering (AFE), McLean, Virginia, is a professional organization that promotes the optimal operation of plants, grounds and offices at Fortune 500 manufacturers, universities, medical centers, government agencies and high-rise office buildings from around the world. AFE provides education, certification, technical information and other relevant resources to plant and facility engineering, operation and maintenance professionals worldwide

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#### Importance of Resiliency in Buildings Codes/Standards Stressed at White House Event

ATLANTA – Helping buildings and their systems withstand and recover from natural disasters requires a lot of technical knowledge. Fortunately, ASHRAE has dozens of resources available to help designers make buildings more resilient. The Society took part in today’s White House Conference on Resilient Building Codes.

“The built environment industry strives to design, construct and operate buildings to withstand both natural disasters and man-made hazards,” ASHRAE President David Underwood said. “We must use the knowledge gleaned from disasters like the recent earthquake in Kumamoto, Japan, Superstorm Sandy, flooding in India and others, as well as predictions of the effects of climate change, to our advantage to save lives and infrastructure in the future. ASHRAE is pleased to be part of this effort with allied organizations and make these commitments to protect the public and building stock.”

The White House hosted the event to highlight the critical role of building codes in furthering community resilience and the importance of incorporating resilience and the future impacts of climate change in the codes and standards development process. As part of the conference, the Administration highlighted federal and private sector efforts aimed at advancing the principles of resilience in building codes and standards and building design.

ASHRAE Director-at-Large Mick Schwedler took part in the conference, serving on a panel focused on codes and standards. Participants discussed the work being done by the codes and standards community as well as how that community can better support state and local officials who are faced with the challenges of cost and risk perceptions. Others on the panel represented the National Institute of Building Sciences, the International Code council, the National Fire Protection Association and the American Society of Civil Engineers.

As part of the effort, ASHRAE has committed to:

- \* utilizing member research funding to support research related to resilience in buildings and building systems
- \* developing, maintaining or revising standards to reduce building loads and their subsequent impact on utilities
- \* working with numerous global partners to encourage adoption of these changes as soon as possible into codes
- \* providing instructional and application tools to implement these substantial improvements
- \* educating the affected stakeholders

ASHRAE has compiled a webpage of resources on resiliency, which can be found at [www.ashrae.org/resiliency](http://www.ashrae.org/resiliency).

In addition, ASHRAE, along with other leaders of America’s design and construction industry, released a report on progress made on the resilience front since the Resilience Building Coalition announced the Building Industry Statement on Resilience two years ago.

The Resilience Building Coalition also released a set of guiding principles to help the building industry adopt resilient design and policies. These include developing and advocating for codes and policies that advance resilience; developing “whole-systems resilient design” approaches for the built environment; and providing guidance, beyond the baseline life-safety codes, that recognizes the importance of fortifying property for individual and community resilience. The report can be viewed at [www.ashrae.org/resiliency](http://www.ashrae.org/resiliency).

#### Rail Passenger Vehicle Standard Published by ASHRAE

ATLANTA – A consistent approach to the design and application of HVAC for rail passenger vehicles is provided in a newly published guideline from ASHRAE.

“Guideline 23-2016, Guideline for the Design and Application of HVAC Equipment for Rail Passenger Vehicles, was developed in response to a need expressed within the rail passenger vehicle industry to adopt a more consistent approach to the design and application of HVAC systems that can be used as a basis for future designs,” Ken Hesser, chair of the committee that wrote the guideline, said. “Current inconsistent design approaches and sometimes widely varying requirements for similar applications have resulted in minimal standardization, excessive development efforts for similar equipment, and the resulting inefficiency and disproportionately high cost of equipment.”

The guideline applies to passenger carrying rail vehicles. These include three broad categories of rail vehicles or service: urban includes subways, street cars and light rail; commuter (sometimes referred to as regional or suburban) includes primarily electric multiple units (electrically powered from overhead catenary or third rail) and locomotive hauled trains that transport passengers from the suburbs to metro areas; and intercity trains that are typically the locomotive hauled long distance trains.

Estimates on the number of rail passenger vehicles worldwide are in excess of 100,000. Hesser noted that air conditioning design for rail vehicles present unique challenges over designing for buildings. Challenges unique to rail vehicles vs. buildings include:

- \* Designing equipment to be significantly more mechanically robust to withstand the dynamic shock and vibration environment
- \* Maintaining comfort with rapidly changing passenger loads and quickly changing environmental conditions (tunnels, stations etc.)
- \* Maintaining reliable operation in dirty environments
- \* Ability to continue operation when exposed to extreme transient thermal conditions in tunnels and when positioned adjacent to other heat generating equipment
- \* High tolerance for rapid supply voltage fluctuation and frequent power interruptions/restarts
- \* Tight packaging of high capacity equipment in limited spaces.
- \* Sizing capacity to accommodate rapid cool down/heat up when vehicles are parked without power for extended periods.

The cost of Guideline 23-2016, Guideline for the Design and Application of HVAC Equipment for Rail Passenger Vehicles, is \$39, ASHRAE members (\$46, non-members). To order, visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide) or fax 678-539-2129.

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#### ASHRAE Revises Commissioning Certification to Meet DOE Guidelines

ATLANTA – Revised requirements for ASHRAE's certification program will provide earners with recognition by United States government agencies for contracts requiring commissioning services.

Due to take effect Sept. 15, 2016, ASHRAE's commissioning certification program will validate competency against the Better Buildings Workforce Guidelines scheme requirements for the Building Commissioning Professional set forth by the National Institute of Building Sciences (NIBS) Commercial Workforce Credentialing Council (CWCC). The goal is to achieve U.S. Department of Energy (DOE) recognition by the summer of 2017 of services provided by these certificants. The ASHRAE certification will be known as the Building Commissioning Professional (BCxP).

Current ASHRAE certified Commissioning Process Management Professionals (CPMPS) will be able to renew against these new scheme requirements beginning in 2017. Those who do so will earn the ASHRAE BCxP certification designation valid for three years.

“This update will not only help ensure the continued validity and relevance of ASHRAE's commissioning certification but also add value,” ASHRAE President David Underwood, who holds an ASHRAE commissioning certification, said. “DOE recognition of ASHRAE's commissioning certificate will help ensure quality services are provided by these professionals as well as increase consumer confidence in the service provided and ultimately ensure the quality and performance of buildings.”

ASHRAE had a role in developing the Guidelines through its participation on the Board of Advisors for the NIBS' CWCC. The CWCC works to establish voluntary national guidelines to improve the quality and consistency of commercial building workforce credentials.

The purpose of the Better Buildings Workforce Guidelines is to reduce the confusion and uncertainty around workforce credentialing, lower costs, and support better credentials, better workers and better buildings. The Guidelines set an industry-validated Job Task Analysis (JTA) for each of four, key energy-related jobs, building energy auditor, building commissioning professional, building operations professional and energy manager, as certification schemes and learning objectives for training programs.



# ASHRAE London Chapter

## 2016 Golf Tournament

**Firerock Golf Club**  
**Monday, June 6, 2016**

### **Special Guest:**

Brett Cleverdon  
(Flyer attached)

### **Schedule:**

10:00am Registration and Social  
11:00am BBQ Lunch  
11:30am Trick Show  
12:00pm Shotgun Tee-Off  
5:00pm Dinner & Banquet

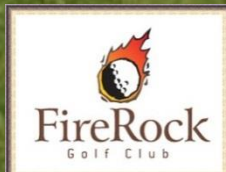
### **Stay & Play Package:**

A Stay & Play Package will be auctioned during the event. For more details follow the link below

[Stay & Play Package Details](#)

### **Registration:**

Please contact [Jordan.Foster@Chorley.com](mailto:Jordan.Foster@Chorley.com) or visit the [Chapter Website](#)  
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