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ASHRAE LONDON CANADA CHAPTER #116

TOPIC:

**Creating an Underground Research Facility to
Explore the Universe**

Presenter:

**Darryl Boyce, P.Eng.
Fellow/Life Member ASHRAE,
ASHRAE President (2019-2020)**

Monday January 26th, 2025

5:00pm to 6:00pm = Social; 6:00pm to 7:00pm = Dinner; 7:00pm = Presentation

**Grand Theatre
471 Richmond St, London**

[Registration Link](#)

\$90 – Members | \$30 – Students
e-Transfer to ashraelondon@gmail.com preferred



January Topic

Creating an Underground Research Facility to Explore the Universe

This presentation will review the research requirements and describe how these were translated into the design scope for the facility to be located 6,800 feet below ground level. We will walk through the construction challenges and review the strategies to keep this specialized facility on budget in a challenging underground construction environment. Designing for commissioning and operation will be discussed as well as the commissioning requirements.

January Presenter

Darryl Boyce, P.Eng.

Fellow/Life Member ASHRAE,
ASHRAE President (2019-2020)

About the Speaker:

Darryl K. Boyce, P.Eng., Fellow/Life Member ASHRAE, was the ASHRAE President for the 2019-2020 term. Boyce has previously served on the board of directors as treasurer, vice president, Director, Regional Chair of Region 2, and director-at-large. More recently Boyce served as the Chair of the Society Government Affairs committee (2022-23) and is currently the Chair of the Societies Development Committee and the Headquarters Building Ad hoc Committee.

Boyce is retired and was previously special advisor to the vice president (Finance and Administration) – and the assistant vice president of facilities management and planning – at Carleton University in Ottawa, Ontario, Canada.

Darryl has also served APPA, the Higher Education Facilities Officers Association at the Chapter, Regional, and international levels, as a Regional Meeting General Chair, a member of the Information and Research Committee, and a Body of Knowledge content coordinator for Energy, Utilities and Environmental Stewardship.

He has also served in the Canadian Association of University Business Officers as a member and chair of the National Facilities Management Committee.

Boyce is a 1982 graduate of the University of Alberta with a Bachelor of Science in Engineering and earned his Engineering Diploma from the British Columbia Institute of Technology in 1973.



2025-2026 Chapter President's Message

To ASHRAE London Chapter Members,

To introduce myself – I am Aaron Hampel, your ASHRAE London Chapter President for 2025/2026. I have been working in this industry since 2016 and have been involved with our chapter since 2018, working alongside the London Chapter Board of Governors (BOG). My hope is this year our chapter members will build strong relationships across the community, engaging in interesting topics with fantastic speakers.

The theme for the 2025-26 ASHRAE Society Year is "Healthy Buildings: Designing for Life." We are hoping, as a chapter, to achieve this goal by having our member organizations see a worthwhile investment in sending people out to our monthly meetings. We want to ensure that our industry has a sustainable future by investing in our members' continued success in this industry.

We have committed BOG volunteers who share the same goal of growing the chapter by providing value to our members. We aim to build on the success of last year by hosting many of our events at similar venues, giving everyone time to connect and share ideas. Everything the chapter decides to do is based on your feedback, so please share your insight! This is your local chapter, and our priority is providing value to our local members.

We wish to thank all donors to our previous year's research promotion campaign. We will communicate how these funds are being allocated and will advocate for your donations to be spent towards projects important to the chapter. Support for this calendar year is appreciated, and donations can be made through the link on our chapter website. If any members are interested in volunteering for the chapter, please contact me at aaronhampel@prestonhipps.com to join our team!

Regards,

Aaron Hampel



Jim Legree
Service Manager

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Professional Development

Need hours for your professional development requirements? Be sure to attend a chapter meeting. Professional Engineers Ontario requires members to have yearly professional development training recorded through the Practice Evaluation and Knowledge (PEAK) program. Other groups may also require continuing education.

Chapter Upcoming Meetings

January 31 - February 4 – **ASHRAE Winter Conference**
Location: **Las Vegas, NV**

February 2 - February 4 – **AHR Expo**
Location: **Las Vegas, NV**

February 23rd – **Low GWP Air Source Heat Pump Water Heaters:
Single Pass and Multi Pass Systems**
Speaker: **Gary Chang, P.Eng.**
Location: **TBD**

***** be sure to check web site for latest information *****
<http://LondonCanada.AshraeChapters.org>

ASHRAE Society Engineering Job Board

The ASHRAE society Engineering job is a publicly accessible job board where all companies can create job postings for HVACR related jobs. The resource is available at <https://jobs.ashrae.org/>

Business Card Ads

Place your business card in our monthly newsletter! Just \$100 for one year and will also be included on the ASHRAE London Canada Chapter website.

Contact either of our Newsletter Editors:

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ASHRAE RESEARCH

Hello ASHRAE London Members,

A big thank you to all of our annual sponsors who have helped us kick off the year at a record pace! Thanks to 12 local annual sponsors, we've already raised **\$1,950** toward **ASHRAE Research Promotion** - an incredible start toward our chapter goal of **\$10,390**.

We're excited to introduce this year's sponsorship opportunity for Chapter Members. A portion of every sponsorship goes directly to support ASHRAE Research Promotion, and we're thrilled to already be off and running thanks to your generosity.

Each month, sponsors and donors will be recognized in our chapter newsletter and on the ASHRAE London Canada Chapter website. To donate online please visit: <http://www.ashrae.com/donate>

Current Donors:

ACP HVAC Supply	Mits Air
Ainsworth	O'Dell HVAC Group
Engineered Air	System Air
EH Price	Trane Canada
HTS London	Victaulic
Johnson Controls	WMC Water Management
The Master Group	

\$1,950 RAISED



**GOAL
\$10,390**

<u>Contribution Levels</u>	<u>Individual</u>	<u>Company</u>
Honour Roll	\$150 +	\$500 +
Major Donor (Bronze)	\$250 - \$999	\$500 - \$999
Major Donor (Silver)	\$1000 - \$2,499	\$1000 - \$2,499

As always, donations can be made through the link on our chapter website, or feel free to reach out to Tom Deslippe at tommy.deslippe@gmail.com to assist with the process. Let's keep the momentum going!

Previous Meeting: December Social

Our December meeting was the ASHRAE London Chapter's annual social event, hosted this year at Toboggan Brewing Company. Nearly 20 members and guests attended, making for a great turnout. Everyone had an enjoyable afternoon with good food, a few cold beers, and plenty of time to connect and catch up outside of our regular technical programming!



ASHRAE Pocket Guide 10th Edition

Now available in the ASHRAE Bookstore! The ASHRAE Pocket Guide 10th edition serves as a user-friendly, offline reference for engineers without easy access to complete ASHRAE Handbook volumes. This latest edition has been revised to include updates from the four current volumes of the ASHRAE Handbook series, from the 2019 editions of ASHRAE Standards 15, 34, 62.1, 62.2, and 90.1, and the 2020 edition of Standard 55. Learn more about what is included in the 10th edition and purchase your copy today.

<https://www.ashrae.org/technical-resources/bookstore/ashrae-pocket-guide-for-air-conditioning-heating-ventilation-refrigeration-10th-ed>

New ASHRAE Certification Study Guide

Now available in the ASHRAE Bookstore

The NEW **Certification Study Guide: Building Commissioning Professional (BCxP)** joins the growing suite of ASHRAE Certification tools to help you reach your professional goals.

Looking for something else? Also available are the **Certification Study Guides for Certified HVAC Designer (CHD)** and **Building Energy Modeling Professional (BEMP)**.

Tune-in to the ASHRAE Journal Podcast

Tune into conversations between leading ASHRAE experts as they discuss what HVAC engineers need to know to design better systems and grow the HVAC&R industry. Available on all podcast platforms.

<https://www.ashrae.org/news/ashraejournal/ashrae-journal-podcast>