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# ASHRAE LONDON CANADA CHAPTER #116

**TOPIC:**

**Air Handling Unit Design and Canadian Healthcare  
Standard CSA Z317.2**

**Presenter:**

**Mitchell Rohrer, P.Eng.**  
Account Executive, HVAC Equipment – Johnson Controls

**Monday April 28<sup>th</sup>, 2025**

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

**The Club House  
100 Kellog Lane, London**

**Registration Link**

**<https://forms.gle/9siG48EK7dh2WpGz7>**

**\$90 – Members | \$30 – Students**

e-Transfer to [ashraelondon@gmail.com](mailto:ashraelondon@gmail.com) preferred



## **April Topic**

### **Air Handling Unit Design and Canadian Healthcare Standard CSA Z317.2**

The CSA-Z317.2 standard, titled "Special requirements for heating, ventilation, and air-conditioning (HVAC) systems in health care facilities," provides comprehensive guidelines for the planning, design, construction, commissioning, operation, and maintenance of HVAC systems in health care settings. Air handling unit (AHU) design is crucial for maintaining optimal indoor air quality and patient safety.

In this presentation, we will explore CSA Z317.2:24, the 6<sup>th</sup> and most current edition, and the key considerations for AHU design as outlined in the standard. Topics will include facility classification, design criteria, AHU construction, and specifications for heating, cooling, filtration, humidification, and energy recovery.

## **April Presenter**

### **Mitchell Rohrer, P.Eng.**

Account Executive, HVAC Equipment – Johnson Controls

#### **About the Speaker:**

Mitchell Rohrer is an Account Executive for HVAC Equipment at Johnson Controls, based in the Hamilton office. He primarily covers the Greater Toronto Area (GTA) and supports regions across Canada. Mitchell has been with Johnson Controls for over 10 years, bringing extensive experience in applications involving HVAC equipment including YORK air handling units, chillers, heat pumps and commercial packaged equipment.



He is a licensed Professional Engineer (P.Eng) in Ontario and an active volunteer with the ASHRAE Hamilton chapter, where he has also served as a past chapter president. Mitchell holds a Bachelor of Mechanical Engineering & Management degree from McMaster University.

## 2024-2025 Chapter President's Message

To ASHRAE London Chapter Members,

To introduce myself – I am Glenn Kernaghan, your ASHRAE London Chapter President for 2024/2025. I have been working in this industry since 2017 and have been involved with our chapter since I was a student at Western University. My hope is this year our chapter can provide great value to its members in facilitating an environment for building connections and engaging in useful learning experiences.

The theme for the 2024-25 ASHRAE Society Year is “*Empowering Our Workforce: Building a Sustainable Future.*” 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 an excellent board of governors of volunteers who share the same goal of growing the chapter by providing value to the members. We are aiming to build on the success of last year by hosting many of our events at similar venues that give opportunities for great peer-to-peer connection. Everything the chapter decides to do is based on feedback we have received so it is highly encouraged to please pass on any thoughts or comments about anything the chapter decides to do. This is your local chapter, and our priority is providing value to our local members.

We want to thank our donors to our previous year’s research promotion campaign who helped us achieve our chapter goal of \$10,000. This was a great success for our chapter in our 2023/24 calendar year. Support for this calendar year is always 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 [Glenn.kernaghan@sjhc.london.on.ca](mailto:Glenn.kernaghan@sjhc.london.on.ca).

Glenn Kernaghan, P.Eng.



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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**

June 2<sup>nd</sup> – ASHRAE Golf Tournament  
Location: FireRock, 10345 Oxbow Dr, Komoka

### **REGISTRATION LINK**

<https://forms.gle/kAdcVMotwbGLbiin9>

**\*\*\* be sure to check web site for latest information \*\*\***

<http://LondonCanada.AshraeChapters.org>

## **OTHER EVENTS**

**ASHRAE Toronto Chapter** - ASHRAE Instructor-led three-hour course at special pricing for individual chapter members, guests and companies offered by ASHRAE Learning Institute (ALI).

### **Introduction to BACnet From ASHRAE Learning Institute**

When: 30 Apr 2025 11:00 AM, EDT

Where: GoToWebinar or WebEx platform (link sent to registered participants up to 4 days prior to the event)

See: <https://www.torontoashrae.com/page-1852894>

### **IEQ 2025 CONFERENCE**

24-26 September 2025 | Montreal Canada, Delta Hotels Marriott Montreal

Organized by ASHRAE and AIVC

Rising to new challenges: Connecting IEQ to a sustainable future

See: <http://www.ashrae.org/IEQ2025>

## **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/>



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web site

contact:

#### **Newsletter Editors**

Tom Pollard  
tpollard@execulink.com

or

Scott Sinclair  
scott.sinclair@chorley.com



## **ASHRAE RESEARCH**

Hello ASHRAE London Members,

My name is Aaron Hampel and I am the Chapter Research Promotion Chair for this year. Our Research Promotion goal for this year is \$10,000 and look forward to reaching this goal through your continued support.

This year we will be recognizing donors at a RP Donor Recognition meeting by displaying individual and company donors prior to one of the technical presentations. Donors will also be recognized in the monthly newsletter and on the London Chapter website. To donate online please visit:

<http://www.ashrae.com/donate>

### **Current Donors:**

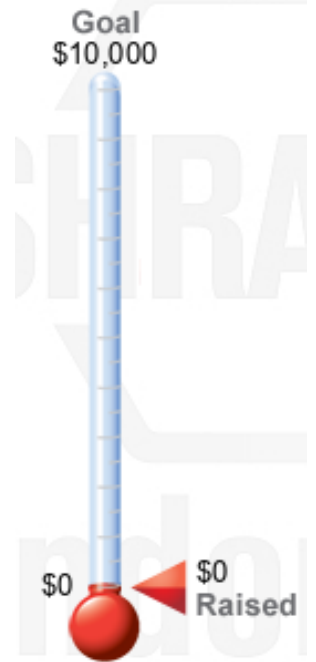
### **Current Honour Roll Individual Donors:**

### **Current Honour Roll Corporate Donors:**

<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

If any questions, please contact:

**Aaron Hampel**  
[aaronhampel@prestonhipps.com](mailto:aaronhampel@prestonhipps.com)



## March Meeting



The March meeting was a Building Technical Tour of Western University's Ronald D. Schmeichel Building for Entrepreneurship and Innovation. This presentation was a joint presentation by Equinox, Chorley + Bisset and Western and presented an overview of the mechanical systems of WU SEI followed by a tour of the building's main mechanical spaces.



## 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>