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ASHRAE LONDON CANADA CHAPTER #116

TOPIC:

Sustainable HVAC

Speaker:

Christian Taber, P.E., HBDP, BEMP, LEED AP, CEM
Principal Engineer, Big Ass Fans
Member – ASHRAE
Distinguished Lecturer – ASHRAE

Monday February 17th, 2025

4:00pm to 6:00pm = YEA Event

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

The Club House
100 Kellogg Ln, London

[Registration Link](#)

<https://forms.gle/LutdvSVWu2XjB2pP7>

\$90 – Members | \$30 - Students

e-Transfer to ashraelondon@gmail.com preferred



February Topic

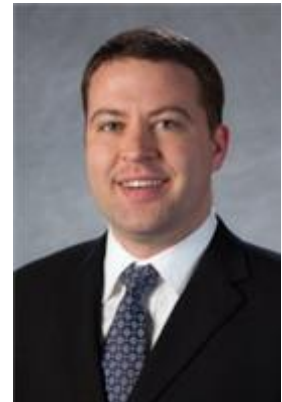
Sustainable HVAC

The purpose of this presentation is to learn the principles of thermal comfort, heat transfer and the benefits of innovative HVAC strategies that pair traditional air conditioning with air movement. The resulting systems provide energy efficient thermal comfort and increase building resiliency.

February Speaker

Christian Taber, P.E., HBDP, BEMP, LEED AP, CEM

Principal Engineer, Big Ass Fans
Member - ASHRAE
Distinguished Lecturer – ASHRAE



About the Speaker:

Christian Taber is a Principal Engineer of Codes and Standards at Big Ass Fans. He earned his Bachelor of Science in Chemical Engineering followed by a Master of Science in Mechanical Engineering from Iowa State University and a Master of Science in Biosystems Engineering from the University of Kentucky. Christian's graduate work focused on renewable energy and sustainable building design.

Christian has worked as a marketing and applications engineer for Trane, where he trained thousands of customers on building energy modeling. He has also taught several undergraduate engineering courses on HVAC/Environmental Control at the University of Kentucky.

Christian is an active participant in regulations, standards, and building code development and collaborates with ASHRAE, AMCA, US DOE, and the ICC. He is a member of ASHRAE's Standards Committee/Standards Project Liaison Subcommittee (SPLS), a voting member of SSPC 90.1, a member of GPC 37, and was a voting member of SSPC 189.1. Christian is also an ASHRAE Building Energy Modeling Professional, an ASHRAE High-Performance Building Design Professional (HPBDP), and an AEE Certified Energy Manager (CEM).

Christian's contributions to the air movement industry include leadership roles on publications, test standards, and codes for fans. He currently chairs AMCA's North American Air Movement Advocacy Committee and AMCA Standard 340, a new standard being developed for rating the sound performance for large diameter ceiling fans. He is also the Vice Chair of the AMCA Air Movement Division and a member of the North America Region Steering Committee. Christian has served on committees for the recent revisions to ANSI/AMCA test and rating standards 230, 214, 210, 208, 99 and AMCA Publications 211 and 11, which are operating manuals for the AMCA Certified Rating System.

Christian has several articles in the ASHRAE Journal and has presented his work at various national and international conferences. He has been granted a patent for a condensation control system, was part of a team that designed an experiment sent to the International Space Station, and provided technical support to Congress for the proposed and enacted Ceiling Fan Improvement Act of 2020.

In his free time, Christian enjoys outdoor activities with his wife and twin daughters. He currently resides in Minneapolis, Minnesota.

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.

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

February 8th to 12th – ASHRAE Society 2025 Winter Conference
Location: Orlando, FL, USA

February 10th to 12th – AHR Expo
Location: Orange County Convention Centre, Orlando, FL, USA

March 4th – Decarbonization 101
Location: Canadian War Plane Heritage Museum (Hamilton)
Speaker: Ginger Scoggins

Monday March 24th – Technical Tour
Location: Western University – Entrepreneurship Building
(Ronald D. Schmeichel Building)
Speaker: Genevieve Lussier

April 21 or 28 (date to be confirmed)
AHU Design and CSA Z317.2
Location: TBD
Speaker: Mitchell Rohrer

***** 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/>



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contact:

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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:

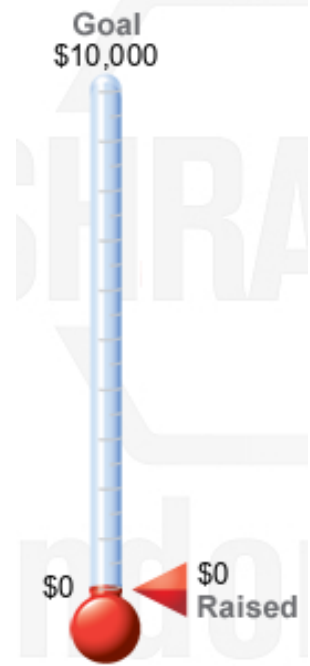
Current Honour Roll Corporate Donors:

<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



ASHRAE Announcement

NEW! 25% Application Discount Apply Feb. 1 – March 31

Exciting news! Beginning **Feb. 1 through March 31**, applicants may use the discount code **NEWYEAR2025** to receive a **25%** discount on application for any of ASHRAE's seven (7) building design or building performance certifications.

Here's how the discount works:

1. Apply anytime **Feb. 1 – March 31** using the Discount Code: **NEWYEAR2025**
2. Take your certification exam at any of ASHRAE's new **1,000+ test centre locations** worldwide

Learn More

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





January Meeting

The January meeting presentation was “**Designing for Northern, Remote and Arctic Communities**” by Niss Feiner, C.E.T., CHD, RASDT, RHDT, RVDT, Delta-T Designs Inc. Niss presented the challenges of building in the cold climates and some of the special and unique systems and services that need to be considered including the permafrost.

Be sure to download a copy of the presentation from the chapter web site
Which also has additional links to other information and QR code to other info and video.

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>