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ASHRAE LONDON CANADA CHAPTER #116

TOPIC:

HVAC and COVID-19

Presenter:

ASHRAE Distinguished Lecturer

James L. Newman, CEM, LEED, OPMP, BEAP, FESD
Owner/Managing Partner, Newman Consulting Group

Tuesday October 20, 2020

5:00 PM – Hosted virtually on ‘GoToMeeting’

Cost = \$30.00*

Registration link: <https://forms.gle/qnW2Ezkt7qaF7Htf6>

***One-time fee for full year of meetings – if you have registered for a previous meeting no action required!**

Hosted by ASHRAE Windsor in joint online meeting with ASHRAE London

October Topic **HVAC and COVID-19**

Ensuring healthy spaces for building occupants means rethinking air filtration in an effort to remove harmful airborne particles. Can improved air filtration and better ventilation actually help reduce the spread of coronavirus? Or does recirculated air — as from air conditioning systems — help spread the virus? Those have been the million-dollar questions really since the start of the pandemic. This webcast will address effective short and long-term HVAC and air filtration strategies with information relative to helping employees and tenants feel safe and comfortable, and reducing litigation risks.

October Presenter

James L. Newman, CEM, LEED, OPMP, BEAP, FESD **ASHRAE Distinguished Lecturer**

Jim Newman is Owner/Managing Partner of Newman Consulting Group headquartered in Farmington Hills, MI. He is a CEM, a CSDP, a LEED AP BD+C, an ASHRAE OPMP & BEAP, a Fellow of the Engineering Society of Detroit (ESD), and will be inducted as a Fellow of ASHRAE in January of 2021.

As an ASHRAE DL, Jim speaks internationally on many subjects relating to green and sustainable buildings, energy conservation, indoor air quality and proper operation and

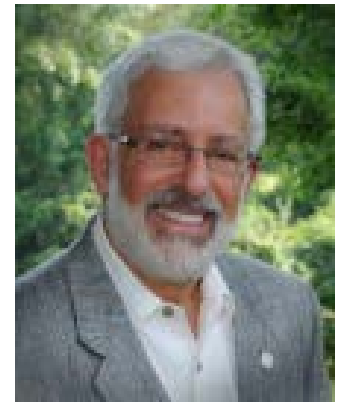
maintenance of HVAC systems. This year he has become an often-requested speaker on HVAC and COVID-19.

Jim is a trainer for ASHRAE Energy Standard 90.1, the basis for building codes in most states in the U.S., and has trained hundreds of architects, engineers, code officials and contractors on the use of the Standard. He was co-chair of the IAQ committee for the new chapter on Climate Control that will be published in the 2021 ASHRAE Fundamentals Handbook. He is also a trainer for the BOMA High-Performing Building Certification.

An active member of many technical societies, he has received many awards. In 2010 Jim was named a Green Leader by the Detroit Free Press, and a Green Initiatives Champion by Corp! Magazine. In 2012 and 2013, he received the Distinguished Service Award from ASHRAE. He's been recognized as a Legend in Energy by the Association of Energy Engineers (2012), a Sustainability Champion by EcoWorks (2015), received ESD's TechCentury Image Award in 2018, and a Lifetime Achievement Award from BOMA Detroit in 2019.

Jim received a BSME from Tufts University, Boston, MA, and continued his education for an MBA degree at the University of Detroit and Wayne State University in Detroit, MI.

Newman Consulting Group (NCG) is an EPA Energy Star® and Rebuild Michigan® Partner. The Group works with architects, engineers, building owners and contractors throughout the world to design and construct more energy-efficient buildings to LEED® and other sustainable guidelines. NCG also helps commercial and industrial building owners retrofit existing buildings so they use less energy – and save money - while maintaining or improving the indoor air quality.



Chapter President's Message

To ASHRAE London Chapter Members

I am Andrew Crowley, your ASHRAE London Chapter President for 2020/2021. I am an industrial refrigeration engineer, Engineering Manager for Drennan Refrigeration Inc. in London ON.

It has been an interesting year for all of us, challenging for most, and I hope this email finds you and your family in good health and spirits.

As you are aware, our usual way of conducting ASHRAE business is different this year, and I want to update everyone on some important changes:

- Chapter meetings, until at least January but more than likely all year, will take place virtually on Go to Meeting.
- Most meetings will begin at 4:30pm. The first hour will be ASHRAE business and technical presentation. The second hour will be Q & A and a "virtual" social.
- London and Windsor Chapters will alternate hosting meetings, combining members from both chapters. There are currently 8 meeting dates scheduled
- There will be a one-time fee of \$30 to attend any or all the virtual meetings this year. Any proceeds raised from this will be donated to Research Promotion and other charity. A sign up form will be sent out shortly.
- We will be taking advantage of the virtual year and booking many DL speakers!

If you have any questions in the meantime please reach out to the BOG. You can also contact me directly at

Andrew Crowley
Drennan Refrigeration Inc.
acrowley@drennan.on.ca

We are looking forward to a successful year!
From your ASHRAE London Chapter BOG

A Word About Meeting Costs...

As there are no chapter meals that help contribute to the chapter operation and offset some meeting expenses, the chapter still needs some funds due to ongoing expenses such as bank charges, ASHRAE Region 2 dues on behalf of chapter members, and to contribute to ASHRAE Research. The low-cost fee of \$30 will help the ASHRAE London Chapter and board members continue to provide services to the chapter members.

If there are any comments/concerns please reach out to any of the board members, we are happy to receive all feedback.



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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

Tuesday October 20 – Chapter Meeting

- Distinguished Lecturer – Jim Newman – Trade Press on HVAC and COVID-19

Monday November 30 – Chapter Meeting

- Distinguished Lecturer – Chuck Gulledge - Presidential Address: The ASHRAE Digital Lighthouse and Industry 4.0

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

<http://LondonCanada.AshraeChapters.org>

ASHRAE LONDON CANADA

Board of Governors

The chapter is excited to announce the new elect Board members to the positions of Chapter President, Vice-President, Secretary, and Treasurer as well as all the committee chair positions for 2020-2021.

The Chapter always welcomes new members who would like to get involved and assist the chapter in any way you are able. If this is of interest, please forward your name to any one of the board of governors.

ASHRAE 2021 Winter Conference

In keeping with our commitment to inform the HVACR community of the planning for the 2021 AHR Expo in the current environment, we have recently issued a few important updates.

The originally planned Show dates of January 25-27, 2021 are postponed.

AHR Expo, ASHRAE and AHRI continue to explore the feasibility of hosting the event March 15-17, 2021, however, no final decisions have been made.

A final decision regarding the in-person hosting of the 2021 AHR Expo will be announced on or before October 15, 2020.



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contact:

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Tom Pollard
tpollard@execulink.com
or

Treasurer

Rajarajan Deenadayalan
rdeenath@drennan.on.ca

ASHRAE Coronavirus (COVID-19) Response and Resources

ASHRAE has developed a resource hub of documents that have been reviewed by the Society's Environmental Health Position Committee. These include but are not limited to: Building guides (healthcare, schools, residential, commercial), filtration/disinfection, transportation, and other misc. resources. They can be accessed by following the link:

<https://www.ashrae.org/technical-resources/resources>



ALL course presented by the Montreal Chapter - Design of Affordable and Efficient Ground-Source Heat Pump Systems

This course describes the best design practises of ground-source heat pump systems to achieve maximum customer benefit. The course examines the economic analysis of ground-source versus more traditional systems and what is necessary to design an effective and efficient ground-source system. The course covers energy analysis, equipment selection, drilling technologies, testing requirements, hydronic system design, and system controls. Participants will learn all that is necessary for the design and installation of a successful ground-source heat pump system.

Wednesday, October 28, 8:30am – 12:00pm EDT

Speaker:

Stephen Kavanagh, Ph. D., Fellow ASHRAE

Steve Kavanagh is professor emeritus of mechanical engineering at the University of Alabama-Tuscaloosa. He is a past Chair of ASHRAE Technical Committee 6.8, Geothermal Heat Pump and Energy Recovery Applications, and past Chair of Applied Heat Pumps and Heat Recovery. He is also a Fellow of ASME.

Dr. Kavanagh is the author of several ASHRAE publications including Geothermal Heating and Cooling: Design of Ground Source Heat Pump Systems (2014), HVAC Simplified (2006), and Ground-Source Heat Pumps: Design of Geothermal Systems for Commercial and Institutional Buildings (1997). He also received the ASHRAE Technical Achievement Award in 2001.

For information on registration, all details can be found on the Montreal ASHRAE website link found below:

<http://ashraemontreal.org/evenements-en-details/28-10-2020/cours-de-l-ashrae-learning-institute-octobre-2020-182>



ASHRAE RESEARCH

Hello ASHRAE London Members,

My name is Kate Mayberry and I am your Chapter Research Promotion Chair for this year. Our Research Promotion goal for this year is \$12,550 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 Honour Roll Individual Donors:

Tom Pollard

Current Honour Roll Corporate Donors:

Current Corporate Major Donor Silver:

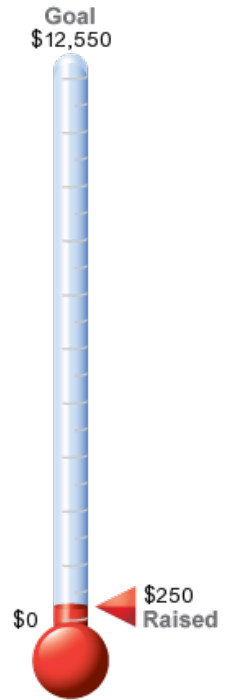
<u>Contribution Levels</u>	<u>Individual</u>	<u>Company</u>
Honor Roll	\$150 +	\$500 +
Major Donor (Bronze)	\$250 - \$999	\$500 - \$999
Major Donor (Silver)	\$1000 - \$2,499	\$1000 - \$2,499

If any questions, please contact:

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ASHRAE's Building EQ Portal provides a quick energy analysis that benchmarks a building's energy performance. Building EQ assists in the preparation of an ASHRAE Level 1 Energy Audit to identify means to improve a building's energy performance including low-cost, no-cost energy efficiency measures and an Indoor Environmental Quality survey with recorded measurements to provide additional information to assess a building's performance.

Two different evaluations can be used independently to compare a candidate building to other similar buildings in the same climate zone or together for an assessment of a building's design potential compared to actual operation:

- **In Operation** compares actual building energy use based on metered energy information.
- **As Designed** compares potential energy use based on the building's physical characteristics and systems with standardized energy use simulation.

Learn more on how to access the portal, initiate a project, and begin a submission:

<https://www.ashrae.org/technical-resources/building-eq/building-eq-portal>