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ASHRAE LONDON CANADA CHAPTER #116

TOPIC:

Design Concepts in DOAS: Balancing IAQ and Energy

Presenter:

Brian P. Monk, PE
ASHRAE Distinguished Lecturer
Carrier Corporation, Montreal, QC

Tuesday May 17th 2022 – 5:00 pm

5:00-6:30 PM – Hosted virtually on

‘GoToMeeting’

Cost = \$30.00*

[Registration link](#)

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

Hosted by ASHRAE London in joint online meeting with ASHRAE Windsor

SAVE THE DATE – ASHRAE London Golf Tournament – Monday September 26th

We have organized the date for this year's annual golf tournament to be on Monday September 26th where we will return to FireRock Golf Club after last years great success. We will of course monitor all covid regulations, but we are looking forward to possibly returning to a "normal" style tournament while adopting some of the items that made the 2021 tournament so enjoyable!

We are currently organizing the day and if any person or company is interested in helping with the day or sponsoring an activity or item, please reach out to any board member!



May Topic

Design Concepts in DOAS: Balancing IAQ and Energy

ANSI/ASHRAE Standard 62.1-2007, in its current form, employs two procedures to provide acceptable indoor air quality (IAQ) in buildings. These are the Ventilation Rate and IAQ Procedures. These standard further endeavors to achieve the necessary balance between IAQ and energy consumption by specifying minimum ventilation rates and IAQ that will be acceptable to human occupants. This presentation will focus on the design of Custom DOAS units with respect to providing adequate OA and considering the IAQ procedure when the reduction of outdoor air pollutants is a concern. A system approach to combining DOAS units with chilled beam technology will be reviewed. Particular focus will be given to this combined strategy's energy savings potential as it is applied to LEED EA credits.

May Presenter

Brian Monk is General Manager, responsible for Carrier Custom Air Handling Solutions, specializing in design of air treatment systems, including airborne contaminant control, and dedicated outdoor air systems with energy recovery.

Mr. Monk is also an instructor for Carrier University's Sustainability Symposiums under the International Association for Continuing Education and Training (IACET) program which provides CEU Credit for Professional Engineering Licensure. His academic background comprises of a college degree in Applied Science (Building Systems Engineering Technology) from Vanier College of Montreal and a Bachelor of Building Engineering from Concordia University of Montreal. He is a Registered Professional Engineer with the Province of Quebec, Canada. Mr. Monk is an ASHRAE Distinguished Lecturer, and Part-Time Professor in the Faculty of Building Engineering at Vanier College. He is also a member of the IAQA (Indoor Air Quality Association).



Chapter President's Message

To ASHRAE London Chapter Members,

I am Kate Mayberry, your ASHRAE London Chapter President for 2021/2022. I am a Mechanical Engineer for Strik Baldinelli Moniz Ltd. located in London ON.

These past couple of years has been challenging for all of us and hope that you and your family are in good health and spirits. Thank you to everybody that attended our virtual meetings in 2020/2021! Similar to last year, our typical way of conducting ASHRAE business will be a bit different than previous years, and we will continue with Chapter meetings virtually on Go to Meeting until at least January but most likely will be all year. London and Windsor Chapters will alternate hosting meetings, combining members from both chapters. There are currently 7 meetings being planned for the 2021/2022 year. There will be a one-time fee of \$30 to attend any or all the virtual meetings this year and a sign up form will be sent out shortly. Again this year, we will be taking advantage of the virtual meetings and booking many ASHRAE Distinguished Lecturer speakers.

We have an enthusiastic board of governors/committee chairs with lots of ideas for the year and we always have space for members wanting to join.

If you have any questions, please reach out to the ASHRAE London Chapter Board of Governors. You can also contact me directly at:

Kate Mayberry
c116@ashrae.net

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.

www.somerscp.com

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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 May 17th – Chapter Meeting

- Hosted by ASHRAE London

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

<http://LondonCanada.AshraeChapters.org>

Society Upcoming Meeting

June 25-29 – ASHRAE Annual Conference

- Hosted by ASHRAE Toronto
- For more information click [here](https://www.ashrae.org/conferences/2022-annual-conference-toronto):
<https://www.ashrae.org/conferences/2022-annual-conference-toronto>
- See below in this newsletter for more information

Coronavirus COVID-19 Response Resources

ASHRAE has compiled a list of industry reviewed and recommended resources on COVID-19 guidelines and FAQ's. Please follow the below link to access to these resources:

www.ashrae.org/covid19



Guide to the COVID-19 Pages

Follow the links on the infographic

[LEARN MORE](#)



Core Recommendations

for Reducing Airborne Infectious Aerosol Exposure

[LEARN MORE](#)



Questions Answered

Frequently Asked Questions and Glossary of Terms

[FAQ / GLOSSARY](#)



One Page Guidance Documents

[VIEW GUIDANCE](#)

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contact:

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tpollard@execulink.com

or

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Jeff Armstrong
jeff.armstrong@trane.com



ASHRAE London Canada – Chapter Elections

The Chapter needs to elect new President, Vice-President, Treasurer, Secretary for the July 1/2022 to June 30/2023 Society year. Elected positions are now open until **May 31/2022**. Chapter chair positions are also needed to be filled. If you can assist in any chapter operations and functions, please let a current Board Member know.

There are many volunteering opportunities within the London ASHRAE Chapter! 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. We are currently looking for someone who would be interested in helping organize the 2022 golf tournament as well as people for chair positions. Now is an excellent time to get involved to get a feel for how the organization works and to indicate interest for chair positions next year.

It is a great way to get involved in the industry and grow your professional network. We are a very enthusiastic group and like to keep things efficient and fun!

ASHRAE London Canada – 2023 London CRC

We are in the beginning stages of organizing the 2023 ASHRAE Region CRC. We are **still looking for volunteers** to help assist with the planning of the event, we need people with past experience of running CRC to help allocate tasks and volunteers effectively. If you are interested and able to help please reach out to any person on the board.

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/>

ASHRAE Annual Meeting in Toronto

June 25-29/2022

Find answers, inspiration, and the latest industry trends through unmatched technical sessions and connecting with peers. Committee meetings, Professional Development Seminars, Technical Sessions, and other events are planned.

<https://www.ashrae.org/conferences/2022-annual-conference-toronto>

Join ASHRAE in Toronto – Early Bird Rates End April 30!

If you are interested in becoming a **monitor** at the annual conference in June, you can sign up here:

<http://www.torontoashrae.com/event-4772171>

ASHRAE Toronto Chapter's 100th Anniversary Celebration

2022 marks the Toronto Chapter's 100th anniversary! Toronto is excited to host the 2022 ASHRAE Annual Conference and the Toronto Host Committee is working hard to provide an experience ASHRAE attendees won't forget.

Celebration will take place at Hart House, a beloved historic structure in downtown Toronto. This expansive outdoor and indoor space combination has a spectacular castle-like feel and views of original stonework and leaded glass windows.

Venue: Hart House, 7 Hart House Cir, Toronto ON M5S 3H3

When: 6:30 PM onwards on Friday, June 24, 2022

Registration: \$80.00

<https://torontoashrae.com/event-4726224>



ASHRAE RESEARCH

Hello ASHRAE London Members,

My name is Raj Deenadayalan and I am your Chapter Research Promotion Chair for this year. Our Research Promotion goal for this year is \$12,500 and look forward to reaching this goal through your continued support.

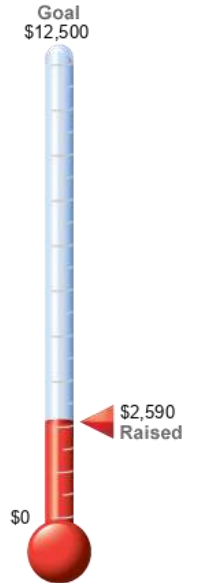
This year we will be recognizing donors at a RP Donor Recognition meeting by displaying individual and company donors prior to one of the technical presentations. Donors will also be recognized in the monthly newsletter and on the London Chapter website. To donate online please visit:

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

Current Donors:

Somers Environmental Products Inc
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Tom Pollard, Glenn Kernaghan, Jeff Armstrong, Rajarajan Deenadayalan, Richard Hammond,
John Xiang, Ibrahim Semhat, Kathleen Mayberry, Christopher Zettler, Andrew Crowley



| <u>Contribution Levels</u> | <u>Individual</u> | <u>Company</u> |
|----------------------------|-------------------|------------------|
| ASHRAE 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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rdeenath@drennan.on.ca