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# ASHRAE LONDON CANADA CHAPTER #116

**TOPIC:**

**Introduction to Decarbonization**

**Presenter:**

**Doug Cochrane, P.Eng.**

**ASHRAE Distinguished Lecturer**

**Monday, October 24<sup>th</sup>, 2022**

**5:00PM – Hosted IN PERSON!**

**Delta London Armouries**

**325 Dundas Street, London ON**

**[Registration link](#)**

**\$70 – Members | \$25 - Students**

**THANK YOU TO ALL OF OUR GOLF TOURNAMENT PARTICIPANTS AND SPONSORS!**

The tournament was held on September 26<sup>th</sup> at FireRockand was a great success – despite the weather the course was great and the food was delicious. Thank you to our tournament sponsors who helped make the day a great success for our chapter and ASHRAE research:

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## **October Topic**

### **Introduction to Decarbonization**

“Building decarbonization encompasses a building’s entire life cycle, including building design, construction, operation, occupancy and end of life,” said 2022-23 ASHRAE President Farooq Mehboob, Fellow ASHRAE. “ASHRAE is leading the charge in accelerating the mitigation of carbon resulting from energy use in the built environment by providing this roadmap to further our Society’s mission of a healthy and sustainable built environment for all.”

ASHRAE’s position is that decarbonization of buildings and its systems must be based on a holistic analysis including healthy, safe, and comfortable environments, energy efficiency, environmental impacts, sustainability, operational security and economics.

## **October Presenter**

### **Doug Cochrane, P. Eng.**

**ASHRAE Distinguished Lecturer**

Doug is a graduate of Ryerson University with a degree in Mechanical Engineering and is a licensed professional engineer in Ontario. He is also a LEED AP and has a certificate in sales development from Humber College. He has also completed the Carrier basic system design course and has taken advanced training in rooftops and splits, ahu’s, chillers, controls, and system selling. He qualified as a train the trainer with Carrier. Doug started in inside sales and has held additional roles as software coordinator, chiller and applied systems specialist, territory manager, branch sales manager, regional commercial sales manager, and engineering sales manager.



Doug joined ASHRAE in university and has participated in chapter, region, and society activities ever since. He is a past president of the Toronto chapter, CRC chair (twice), inaugural RVC for GGAC in Region II, served on the nominating committee for 6 years, and the conferences and expositions committee for 3 years and was the technical chair for the Chicago 2015 conference. Doug is the immediate past DRC for Region II, and is a member of TC 9.1 Large Building AC, Cold Climate Design Guide TRG9, a member of the standards appeal board, and is currently the immediate past Chair of Building EQ, and ARC for Region II. He is chair of the upcoming topical conference on Industrial ventilation in Toronto in Aug 2021, and is General Chair of the Annual ASHRAE society meeting in June 2022 celebrating Toronto chapter’s 100<sup>th</sup> anniversary. Doug has helped organize Canada’s federal government outreach day in Ottawa since the beginning, and has been involved in the provincial day at Queens Park in Toronto from day 1. He holds the ASHRAE distinguished service award, the regional award of merit, and the chapter service award.

## Chapter President's Message

To ASHRAE London Chapter Members

I am Rajan Deenadayalan, your ASHRAE London Chapter President for 2022/2023. I am an Industrial Refrigeration Engineer and Project Manager for Drennan Refrigeration Inc. in London ON. Myself and our BOG team is very excited to serve our membership by promoting peer to peer networking, continuous education on new trends and technologies and opportunities for students to get involved in HVAC/R industry.

It's been a tough past 2 years for all us due to COVID pandemic and restrictions. We could not organize any in person meetings since February 2020 due to pandemic. I take this moment to inform you all we are going back to in-person meetings for the year 2022/2023. Few items I want to highlight as below:

- September 26th is Chapter Golf Tournament Day. it's a great opportunity to see people from industry and spend a nice day at Fire Rock Golf Club.
- October 24th is a technical meeting. Please check chapter website for more details on venue and speaker/ topic. Registration link will be available soon.
- For this year, we are aiming to bring interesting meeting topics which are informative, useful innovative and up to current trends in industry.
- Various sponsorship/advertisement opportunities are available within chapter including Research Promotion donation, student meal sponsorship, table top display in meetings and business card display in newsletter. Your contribution helps to run local chapter operations and ASHRAE society in development of novel technologies, standards, bulletins and technical books.

If you know anyone who wants to join London ASHRAE Chapter, please contact chapter membership chair.

If you have any questions in the meantime please reach out to the BOG. You can also contact me directly at [rdeenath@drennan.on.ca](mailto:rdeenath@drennan.on.ca). We are looking forward to see you all soon.

From your ASHRAE London Chapter BOG



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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**

Monday October 24<sup>th</sup> – Chapter Technical Meeting  
Topic: Introduction to Decarbonization  
Speaker: Doug Cochrane, ASHRAE Distinguished Lecturer

Monday November 21<sup>st</sup> – Chapter Technical Meeting  
Topic: Air to Water Heat Pumps  
Speaker: Christopher DesRoches, Mitsubishi Electric

**\*\*\* 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/>

### **ASHRAE London Canada – 50<sup>th</sup> Year Anniversary**


2022 is the 50th year since ASHRAE London Canada received its charter on May 8, 1972. The London chapter was formed when J. Vanstone, C.R. Morrison, J. Hoyle, F. Lucas, and J.B. Bisset meet in 1970/1971 to discuss starting a chapter which had the Hamilton Chapter offering to act as sponsor.



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or  
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Jeff Armstrong  
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## **ASHRAE RESEARCH**

Hello ASHRAE London Members,

My name is Jeff Armstrong 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:**

Tom Pollard

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

John Xiang, Ibrahim Semhat, Glenn Kernaghan, Jeff Armstrong, Rob Davidson

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

### **Current Corporate Major Donor Silver:**

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If any questions, please contact:

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