



Kurt Monteiro, P. Eng., President, ASHRAE Toronto Chapter

As this year's Toronto Chapter president, I would like to welcome you to the 2022-2023 ASHRAE Year! I would also like to thank Abhishek Khurana our past president for setting us up for success this year, by developing a multiyear succession plan to leave the chapter in capable hands with dedicated volunteers.

After hosting a number of successful in-person events last year including the ASHRAE Society Annual conference this past summer, we have decided to pivot to mostly in-person events supplemented with a few online events.

Farooq Mehboob is the society president for this year and the presidential theme is "Securing our Future". To align with his theme, our Toronto Chapter will be focusing on educating our local HVAC&R community on how to decarbonize our building stock to meet Canada's net-zero goals of 2035 for new construction and 2050 for existing buildings.

Last year, the Toronto Chapter committed to ASHRAE Society to fully fund

### Inside The Newsletter

[Welcome message from ASHRAE Toronto Chapter's new president](#)

[Scholarship for HVAC design training](#)

[Donors and sponsors](#)

[Chapter Technology Transfer Committee \(CTTC\)](#)

[History Committee](#)

[Funny section](#)

[Social media](#)

### Quick Links

[Toronto Chapter Website](#)  
[Meeting Registration](#)  
[Past Newsletter Issues](#)  
[ASHRAE Society Website](#)

an endowment fund that would support a \$3,000 scholarship for our student chapters at post-secondary institutions. The scholarship will help us cut through the noise and educate students that that buildings represent at least 30% (and up to 70% in urban areas) of our country's greenhouse gas emissions. By choosing a career in HVAC&R they can help secure our future!

This year, I personally am looking forward to being able to reconnect with members at our many events organized by our hard-working volunteers. To keep our chapter growing and to ensure that we are providing a program that is relevant to our community, I will be soliciting feedback, as well as encouraging you to be more involved in the chapter. I hope to see you in person soon.

Regards,

Kurt Monteiro, P. Eng.  
President, ASHRAE Toronto Chapter



### Scholarships for HVAC Design training

Presented by the ASHRAE Learning Institute, the [HVAC Design Essentials Training](#) allows attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

To encourage attendance by young professional ASHRAE members, YEA offers attendance scholarships to the HVAC Design training. The full cost of registration to Level I or II of this training will be covered by ASHRAE. Any additional costs, such as airfare or hotel, are not covered by this scholarship.

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of July 1 of the current society year (student members not eligible).

**Applications will open Monday, October 10th, 2022!!**

Apply [here](#) starting October 10<sup>th</sup>.

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If you have any questions, please contact YEA  
at [youngengineers@ashrae.org](mailto:youngengineers@ashrae.org) or (678) 539-1178.

S+A Footprint

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Contact [David Sinclair](#) to post your business card here!

## CHAPTER TECHNOLOGY TRANSFER COMMITTEE (CTTC)

According to ASHRAE Society, the “Chapter Technology Transfer Committee (CTTC) provides efficient and effective transfer of current and relevant information throughout the HVAC&R industry to and from the [members]”. The committee chairs for CTTC of the ASHRAE Toronto Chapter are (Elias Barker), Adewumi Adepoju (Co-Chair) and Ayush Dewet (Refrigeration Chair).

Our first technical event of the year was on October 3<sup>rd</sup> 2022 at the Toronto Marriott City Center Hotel. The topic of the event was Practical Pathways to Decarbonization in Healthcare Facilities and was presented by Amandeep Deol, Director of Engineering, Enerlife Consulting Inc.

We are currently planning events for the month of November. Our technical event will revolve around refrigerant transition. At a different date, and the Refrigeration Committee will also be hosting a technical tour of a hockey rink, and tickets to a hockey game will be available.

Elias Barker  
CTTC Chair 2022-2023, ASHRAE Toronto Chapter

## ASHRAE TORONTO CHAPTER HISTORY COMMITTEE

In the months ahead, at some of the ASHRAE Toronto Chapter dinner meetings, the History Committee will be honouring historical individuals who have had an impact on the HVAC/R industry and humankind. In the “Shoulders of Giants” presentations, we will share short, inspirational stories and some interesting facts, perhaps to encourage others to achieve great

things in their careers. Below is a slide from last April's presentation, where we honoured Sadi Carnot.



Sadi Carnot (1796–1832): the "father" of thermodynamics

## Sadi Carnot Facts:

- Born in 1796 in Paris, France
- Described by some as the "Father of Thermodynamics"
- Early focus on Steam Engines, to compete with British Machines
- Published "Reflections on the Motive Power of Fire" in 1824
- Known for the "Idealized" Carnot Heat Engine and Carnot Cycle
- He did use the somewhat flawed Caloric Theory originally
- Introduced some engineering concepts involving Processes, Reversibility, Cycles, and Efficiency limits in heat-driven machines
- He died young at age 36 during a Cholera Pandemic 1832
- Described by friends as "reserved, almost taciturn"
- Much of his work was burned and not seen

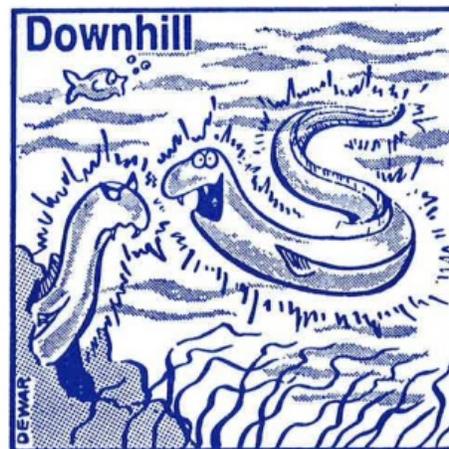
The Committee will also be researching historical buildings in the GTA, to see what we may learn from past HVAC/R designs. As an example, some research was done on Union Station shown in the photo below.



Union Station

John Cusato  
History Chair 2022-2023, ASHRAE Toronto Chapter

## FUNNY SECTION



"I've been thinking about converting to gas!"

Comic from Toronto ASHRAE Gazette, Vol. 32, No. 2 November 1986 (Sixty-Fourth anniversary year).submitted by Beatriz Salazar.

## SOCIAL MEDIA

Get your ASHRAE Toronto news and more, instantly on social media!



Join the conversation on Twitter, Facebook, Instagram, LinkedIn or Youtube!

We want to hear from all members of the industry and are excited to share HVAC/building system news and current chapter events.

Have some thoughts on social media content? Email: [Eshan Patil](mailto:Eshan.Patil@ashrae.org)

## ASHRAE Toronto Chapter

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