



# ASHRAE Ottawa Valley Chapter

**DATE:** **Tuesday March 16, 2021** **Wednesday March 17, 2021**  
**(Live)** **(Recorded)**  
1600 - 1730 Hrs EST 1200 - 1330 Hrs EST

**LOCATION:** Zoom Webinar

**PROGRAM:** Heritage Conservation, Energy Efficiency and Health & Wellbeing  
– Can They All Co-Exist?

**DESCRIPTION:** Energy efficiency and sustainability standards have focused their efforts on new construction. Existing buildings are now being actively sought to be upgraded and follow the Federal/Municipal Government’s policies. Heritage buildings, in particular, have a significant community value, and are built to last for centuries. Our changing sustainability requirements have created a need for heritage buildings to address their environmental footprint and be upgraded to respond to the latest health standards.

This presentation will explore how heritage conservation can co-exist “symbiotically” with energy efficiency and improved building operations. A business case can be made for upgrading heritage buildings, because simply demolishing them or leaving their systems to deteriorate is not a sustainable approach. In addition, the amount of lifecycle energy/carbon (operational + embodied) that goes into a new more energy-efficient building may be higher when compared to upgrading an existing energy-inefficient building.

**SPEAKER:** **Afaf Azzouz P.Eng., BEMP, M.Sc., LEED AP BD+C,**  
**Level I Thermographer**  
**Associate, Building Performance Engineer**



Afaf is an Associate, Buildings Performance Engineer at Stantec. She is a Building Energy Modeling Professional, a published journal author and has a Masters’ degree in Sustainable Buildings. Afaf has an in-depth understanding of energy modeling, Net-Zero buildings, embodied carbon, and lifecycle costing assessments. Afaf won both the CaGBC’s Ontario and Canada-wide Emerging Green Leader Awards. Her key projects include nine Carbon Neutral Concept Designs for heritage and non-heritage buildings in Ottawa. Other projects include Evolv1, first building in Canada to be certified under the Zero Carbon Building Standard, and UBC Brock Commons, one of the tallest wood structures in Canada.

**SPEAKER: Larissa Ide E.I.T., M.A.Sc.**  
**Building Performance Engineering Intern**



Larissa is a building performance consultant at Stantec. She has a Master's degree on deep energy retrofits and sustainability of conserving heritage buildings. Her work entails conducting complex hygrothermal analyses for federal heritage buildings, including East Block Parliamentary Precinct and Cartier Square Drill Hall, to assess the moisture content and risk of condensation within existing envelopes. This work is critical for assessing the impact of low-carbon retrofit solutions on the durability of existing components. Larissa understands passive/active sustainability strategies to reduce energy use, minimize greenhouse gas emissions, and improve occupant comfort/well-being.

**TECH SESSION: Understanding Comfort and ASHRAE Standard 55**

**DESCRIPTION:** HVAC engineers are in the "comfort" business. Most of our buildings are intended for human occupancy, and we are frequently being asked to address issues of comfort in facilities we designed, operate, maintain or own. ASHRAE Standard 55 is a wonderful source of information regarding comfort that goes beyond temperature and relative humidity. This presentation will show how to comply to Standard 55 as well as share tips on how to use the lessons in this standard to help resolve real-life comfort issues.

**SPEAKER: Joel Primeau**

**Please register online at the link below**

ASHRAE Associate/Affiliate/Member: \$0    Non-Member: \$10.00  
 ASHRAE Student : \$0    Non-MemberStudent: \$10.00

<https://ashraeottawa.simplesignup.ca/en/8413/index.php?m=eventSummary>

<p><b>ROY SAMHABER, P. ENG.</b> senior project manager</p> <p>P: 613 224 7500 x6158   P: 888 283 7267   F: 613 224 3726          rsamhaber@ameresco.com   ameresco.ca          Ameresco Canada Inc.          106 Colonnade Rd N, Ste 200   Ottawa, ON K2E 7L8</p>	<p><b>Mark Csiffary P.Eng.</b> President</p> <p>2470 Don Reid Drive          Ottawa ON K1H 1E1          mark@baxtec.com          www.baxtec.com          W: 613-738-7450 C: 613-229-8277</p>	<p><b>Clark Campbell, C.E.T.</b> Regional Applications Consultant Canada</p> <p><b>Belimo Americas</b>  <b>BELIMO</b> Aircontrols (CAN), Inc.          5845 Kennedy Road          Mississauga, ON L4Z 2G3          Direct: +1 905-712-7920          Cell: +1 416-659-0823          clark.campbell@ca.belimo.com          www.belimo.ca</p>
<p><b>ENGINEERING PERFORMANCE...</b></p> <p>... mechanical, electrical, building automation, environmental, ...</p> <p><b>advanced sustainable building systems</b></p> <p>Patrick St-Onge, P. Eng. LEED AP   613-596-6454   bpa.ca          1960 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9</p>	<p><b>Danny Dillon, MBA, GSC</b> President &amp; CEO</p> <p>E: Danny.Dillon@DILFO.com          T: 613.741.7731   C: 613.880.8504          1481 Cyrville Road, Ottawa, ON K1B 3L7</p>	<p><b>Ross McIntyre, P.Eng.</b> Principal, Designated Consultant, Mechanical Engineer</p> <p>1688 Woodward Dr., Ottawa, ON, Canada, K2C 3R8          Telephone: 613-727-5111 ext. 239 Fax: 613-727-5115          rossmc@gwal.com</p>
<p>Rod Lancefield P.Eng. LEED® AP          Engineering Sales          rod.lancefield@hts.com          C 613.851.1997</p> <p><b>HTS</b></p> <p>830 Campbell Avenue          Ottawa, Ontario K2A 2C2          T 416.661.3400 Ext: 2803          F 613.728.8032          Toll Free 1.800.850.0567          hts.com/ontario</p>	<p><b>Joël Primeau</b> P.Eng., ing., LEED AP, HBDP          Associate          Chief Mechanical Engineer</p> <p>jprimeau@jrichards.ca          343 804 4664          www.jrichards.ca</p> <p>J.L. Richards &amp; Associates Limited          864 Lady Ellen Place          Ottawa, ON Canada K1Z 5M2</p>	<p><b>Jp2g Consultants Inc.</b></p> <p>Mark MacIsaac, P.Eng.          Mechanical Team Lead</p> <p>1150 Morrison Drive, Suite 410          Ottawa, ON K2H 8S9          Tel.: 613.828.7800 x.213          Cell: 613.697.4721          Email: markm@jp2g.com</p>

# President's Message

Greetings, and Happy March to you all! We find ourselves rolling into 2021 strong, and in anticipation of continued successes and decreased restrictions. It's a good time to reflect on the challenges that we've all faced over the last year, and the changes that were deemed necessary to keep our population healthy and vibrant. It is important that we continue to respect the restrictions so as not to find ourselves back in stricter situations. It's an important time to reflect on the hardships faced by employees, employers, suppliers, designers, contractors, and support workers, all of whom have worked tirelessly to keep our industry afloat. Take a moment to just say 'thanks for all your hard work and dedication'.

As we move through the next couple months, there will be a fair amount of pressure on the Chapter to secure the volunteers that will be necessary to keep the OVC thriving. If you, or any of the members of your teams, might have interest in seeing what positions might work for you, please reach out to Steve Moons or Abbey Saunders. This duo has spent a great amount of time over the last years looking to

fill the positions with the best possible candidates. With so much of our program and material being online for the foreseeable future, we will need more volunteers to continue to foster the growth of our chapter. Our numbers have dipped a little this year, so I hope and trust that our membership will find new and innovative ways to maintain the excellent numbers we have historically had.

I read a fantastic article on membership retention in volunteer organizations, with the focus on professional organizations. The thrust of the article was feedback. The Ottawa Valley Chapter has always relied heavily on its membership to provide the information needed to provide strong programs, technical sessions, seminars and information communications. We have often done this through the use of surveys and email. What this article reminded me is that we need to make sure that all of our membership knows that the door is always open for feedback. It is imperative that each member knows that their opinion



**President**  
**Adam Moons**  
2020-2021  
OVC President  
**Master Group**

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and insight is of great value to continued success of our chapter. To that end, I want to remind you all that you can feel free to reach out to any of the chairs, the board or the executive at any time. We are always anxious to hear what thoughts and ideas the chapter has.

Your information can help keep the Ottawa Valley Chapter in line with the strategic goals that are set by Society, specifically, the efficiency of operations and the adaptation to a wildly changing market.

I'll be speaking more to Society expectations and initiatives in the months to come.

Wishing you all a wonderful transition into spring!

Adam Moons

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## What You Missed

The fifth program meeting of the 2020/2021 ASHRAE season was held on February 16, 2021 via the virtual platform Zoom. The theme for the meeting was Chapter Technology Transfer Committee (CTTC). The meeting had 57 registered attendees. The program for the evening was Brief Presidential Address and Lean Integrated Project Delivery, presented by ASHRAE Society President Charles E. Gullledge III, P.E., HBDP, LEED AP, Fellow ASHRAE.

Before the program meeting, a technical session was hosted by Joel Primeau. Joel talked about ASHRAE 62.1 2019: Ventilation Rate Procedure. He reviewed the Ventilation Rate Procedure and highlighted the changes from 2016

to 2019 versions of the standard. He also discussed the changes to table 6.1, Ventilation Effectiveness Ez and Ventilation Efficiency Ev.

President Adam Moons welcomed everyone and started the Webinar for the business session and main program topic. He thanked Joel Primeau for hosting a Tech session before the meeting.

President Adam Moons introduced the Executive and Board of Governors and past President. Adam indicated that the theme of the meeting is CTTC and emphasized the importance of this committee as it can be considered the roof of ASHRAE.



**Secretary**  
**Celine Baribeau**  
2020-2021  
OVC Secretary  
**BPA**

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President Adam Moons introduced two new members that joined our Chapter since the last program meeting on behalf of Membership Promotion Chair Josh Bourbonniere.

Government Affairs Committee (GAC) chair Adrienne Mitanni provided an updated on the committee activities. Adrienne noted that ASHRAE helps educating people involved in the government. ASHRAE members across Canada joined in with the Heating, Refrigeration and Air



Conditioning Institute of Canada (HRAI) to discuss with the Ontario Government to promote awareness of our industry at the provincial government level. Adrienne mentioned that if anyone would help out with GAC committee activities please reach out to her.

President Adam Moons the introduced CTTC Chair Elizabeth Primeau. Elizabeth indicated that it is Time to start applying for awards. Both the short and long form versions are available on the OVC website and also on the ASHRAE.org website. Elizabeth then followed with a few housekeeping items regarding the webinar. The attendees were reminded of the survey which will be emailed after the meeting. CTTC Chair Elizabeth Primeau announced the program topic for the evening, Brief Presidential Address and Lean Integrated Project Delivery, and introduced the speaker, ASHRAE Society President Charles E. Gullledge III.

ASHRAE Society President Charles E. Gullledge III is ASHRAE's President for the 2020-21 term. Gullledge previously served on the ASHRAE Board of Directors as president-elect, treasurer, vice president and director-at-large. For his time and dedication to ASHRAE and the industry, he is the recipient of numerous awards. In addition to his time served on the Board of Directors, Gullledge has served as chair of many committees, and as an ASHRAE Distinguished Lecturer. He has held ASHRAE Society-level leadership roles on many standing committees, technical committees and presidential ad hoc committees. In addition to his contributions to ASHRAE, Gullledge's career in HVAC

spans over 36 years. He entered the industry as an engineer-in-training with Parsons Brinckerhoff Quade & Douglas, working on transit system infrastructure, vehicular tunnels and moveable swing-span bridges. Over his career, he has served the built world in the roles of a consulting engineer, municipal owner and design-build contractor. Gullledge is currently a Senior Mechanical Engineer with Environmental Air Systems, LLC. Gullledge's comprehensive design, construction and operational portfolio covers a variety of market sectors. Gullledge is a 1983 graduate of North Carolina State University with a Bachelor of Science in Mechanical Engineering.

Gullledge started the presentation listing the learning objectives of his topic of Lean Integrated Project Delivery. He indicated that the conventional project delivery process is more focused on the What?, How? and then the Who?

However, what if everybody engaged in the project is involved in the process to create an Integrated Delivery Process. Engage all stakeholders involved in the beginning, to change it to What?, Who? and then How?

Gullledge then talked about the six principles of lean fundamentals. These principles are respect for people, optimize the whole, generate value, eliminate waste, focus on flow, continuous improvement. The focus on flow is to understand the flow of what is going to be built and the process of who does what. Continuous

improvement is the journey to understand and master a lean project delivery.

Gullledge talked about the "waste" generated in conventional project delivery process. There is unnecessary movement within a process for example, RFI process. These extra steps can cause delay in answering questions and solving problems. Other waste form is transportation with unnecessary movement of material, information, people. Waiting, overproduction, over processing and defects are also other forms of waste.

Gullledge then went into more details regarding continuous Improvement and project optimization in flow, transportation, standardization, on-site logistics.

High performance team is also key for an efficient lean integrated project delivery. A high performing team is based on trust and honoring commitment to the team. High performing teams break down barriers through innovation and continuous improvement.

The presentation finished with an interesting question period. Elizabeth read many of the questions to Gullledge that were sent from attendees via the webinar chat.


President Adam Moons thanked Charles Gullledge, ended the webinar at 17:35 with closing remarks and reminded attendees of the survey which will be emailed. The next meeting is scheduled for Tuesday, March 16<sup>th</sup>.



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# Membership Update

I would like to introduce and welcome the following new members:

- Walker Gee
- Christie Lyons

At any time, if you have any questions or comments regarding your ASHRAE membership, please do not hesitate to contact me.

Thank you all for the continued support and participation in your local ASHRAE chapter during these times. Looking forward to seeing everyone at the next ASHRAE virtual meeting in March.



## Membership Promotion

**Josh Bourbonniere**  
2020-2021  
OVC Membership Committee

E-mail: [josh.bourbonniere@trane.com](mailto:josh.bourbonniere@trane.com)

# Call For Volunteers

As chairs of the Awards & Nominations Committee, Abbey Saunders and I want to address the members of ASHRAE OVC for the upcoming nominations period. The nomination committee is responsible to build the chapter leadership of tomorrow. We help to shape the direction of the chapter, in that we try to ensure the very best people are in position to advance our local chapter and respond to the needs of its members.

The time has come when we need to consider the nominations for next year's Executive, Board of Governors, Committee Chairs and Committee Members. On behalf of the Nominating Committee, I'm pleased to announce the following eligible members to hold office as the Chapter Executive for 2021-2022, and the positions for which we are seeking nominations:

- President: Adrienne Mitani,
- President-Elect: Ryan Dickinson
- Treasurer: Celine Baribeau
- Secretary: Open-nominations invited.

Board of Governors: Nominations are also invited for positions on the Board of Governors, although the number of available positions is not yet determined as the committee gauges the interest and availability of the existing Board members to return for another term.

To complete the nominations process, we will also be asking for nominations from the floor at the March Chapter meeting. To be considered for the Board of Governors, nominees must be Chapter members in good standing with Society and must have consented either orally or in writing to have their name put



## Past President Steve Moons

2014-2015  
OVC President  
**Total HVAC**

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forward. The election to Chapter officers is a distinct honour bestowed on ASHRAE members by their peers, and in anticipation of their dedication to the continued success of the Chapter.

Final recommendations for the available positions on the Executive and the Board of Governors will be made by the Nominating Committee in the coming weeks and will be announced at the April Chapter meeting, with the installation at the May Chapter meeting. Thank you for your participation in this important step in ensuring the future success of the Ottawa Valley Chapter.

 <p><b>MODERN NIAGARA</b> <i>Design. Build. Service.</i></p> <p><b>CURTIS BOYCE, P.ENG</b> Director of Operations   Major Projects</p> <p>Telephone: 613-591-7505 Email: <a href="mailto:cboyce@modernniagara.com">cboyce@modernniagara.com</a> Website: <a href="http://www.modernniagara.com">www.modernniagara.com</a></p>	 <p><b>Stéphan Riffault, P.Eng</b> Sales Representative</p> <p>1250 Old Innes Road, Unit 518 Ottawa, Ontario K1B 5L3 613-565-2129, ext. 2128 <a href="mailto:stiffault@regulvar.com">stiffault@regulvar.com</a> <a href="http://www.regulvar.com">www.regulvar.com</a></p>	 <p><b>Elaine Guenette</b> P.Eng., LEED AP Principal</p> <p>E <a href="mailto:Elaine.Guenette@smithandandersen.com">Elaine.Guenette@smithandandersen.com</a> D 6136911853 M 3439612244</p> <p>530 - 1600 Carling Ave., Ottawa ON, K1Z 1G3   T 613 230 1186</p>
<p><b>David Yin</b> P.Eng., LEED AP Principal, Buildings Senior Mechanical Engineer</p> <p>400-1331 Clyde Avenue Ottawa ON K2C 3G4</p> <p><a href="mailto:david.yin@stantec.com">david.yin@stantec.com</a> Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 	 <p><b>Frank Picchione</b> Regional Sales Manager</p> <p>Tel: 800-561-3449 Cell: 514-781-8381 Fax: 800-668-8478 <a href="mailto:frank@tamcodampers.com">frank@tamcodampers.com</a> <a href="http://www.tamcodampers.com">www.tamcodampers.com</a></p> <p>TAMCO locations in Ottawa, Ontario and Nashville, Tennessee</p>	 <p><b>Steve Moons</b> Principal</p> <p><b>Total HVAC Inc</b> 4A - 1050 Baxter Road Ottawa, Ontario, Canada K2C 3P1 Tel: 613-723-4611 Fax: 613-723-4677 <a href="mailto:stevem@totalhvac.com">stevem@totalhvac.com</a> Web: <a href="http://www.totalhvac.com">www.totalhvac.com</a></p>

# News Update

## ATLANTA (February 4, 2021) – ASHRAE Provides Testimony at Congressional Hearing on COVID-19 Safety

ASHRAE is slated to provide witness testimony in a congressional hearing on COVID-19 risks and response in transportation systems, held by the U.S. House Committee on Transportation and Infrastructure on Thursday, February 4 at 11:00 a.m. eastern time. The full hearing can be viewed at this [link](#) on the House Committee on Transportation and Infrastructure website.

The hearing titled “[Protecting Transportation Workers and Passengers from COVID: Gaps in Safety, Lessons Learned, and Next Steps](#),” will examine COVID-19 safety gaps in the protection of transportation workers and passengers.

“Protecting the transportation workforce and passengers, many of whom are essential workers, is critical for all of us, as those traveling can rapidly spread the coronavirus over large distances,” said 2020-21 ASHRAE President Charles E. Gullledge III, P.E. in his remarks to the committee. “I am delighted that you have called upon the chair of ASHRAE’s Epidemic Task Force who is one of the leading experts in this field. On behalf of the entire ASHRAE organization, we offer continued technical support to this congressional committee as it works on policies and legislation to make transportation systems safer and healthier.”

Among the six witnesses scheduled to testify at the hearing, ASHRAE Epidemic Task Force chair William P. Bahnfleth, Ph.D., P.E., will give a testimony on behalf of ASHRAE.

“In response to the pandemic, ASHRAE formed an Epidemic Task Force last March, which I was appointed to chair,” said Bahnfleth. “The Task Force is comprised of volunteer members who are experts in the fields of air conditioning, ventilation, filtration and air cleaning. It includes practitioners as well as researchers and academics like myself who have focused their careers on making indoor environments safer and healthier.

Importantly, as part of ASHRAE, the task force like all activities at ASHRAE, is free from commercial interests. Our guidance, standards, and other resources are based on science and consensus. The Task Force has produced hundreds of pages of guidance materials, conducted more than a hundred instructional webinars and courses, held briefings for policy makers, and developed summaries of this guidance that can be more accessible to the general public.”

In his testimony, Bahnfleth will speak on the need to take an “end to end” approach in assessing the exposure risks related to transportation, examining not only modes of transportation, but ground facilities associated with travel. He will also share the results of case studies investigating the transmission of COVID-19 as it relates to transportation, as well as a perspective on HVAC system upgrades, design strategies and safety measures.

“For the safety of those who must travel, it may be possible to upgrade the HVAC systems of some modes of transportation by improving ventilation, increasing filter efficiency and adding air cleaning technologies where applicable,” said Bahnfleth. “However, as noted previously, there are limitations to the kind and extent of upgrades. This lesson – that risk can be significant and that our transportation systems currently may not provide the desired level of protection to workers and passengers, should be reflected in the design of future trains, buses, automobiles and ships. ASHRAE is committed, within its sphere of expertise, to helping ensure that the safest possible conditions are provided for all who need and want to travel, today and in the future.”

The House Committee on Transportation and Infrastructure, chaired by Rep. Peter DeFazio (D-OR), has jurisdiction over all modes of transportation, land and water infrastructure, as well as the



**CTTC Chair  
Promotion**  
**Elizabeth Primeau**  
2020-2021  
OVC CTTC  
**Total HVAC**

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management of federally owned real estate and public buildings.

## ATLANTA (February 15, 2021) ASHRAE Wraps Up Successful Virtual Winter Conference

The [2021 ASHRAE Virtual Winter Conference](#) concluded with more than 1,800 people in attendance over three and a half days and presentations from industry thought leaders from around the world.

The conference which ran from February 9-12, featured 59 live sessions, 27 Q&A chats with presenters of Conference Paper Sessions and 80+ on-demand sessions. In the weeks leading into the conference, committee members also participated in meetings of technical, standards and standing committees, developing guidance for the future of the industry and ASHRAE.

The technical program included numerous, highly attended sessions, on the diverse topics surrounding rapid changes in technology, policies, tools and engineering practices related to the pandemic. Top sessions included ‘Building Operation and COVID-19: Standard of Care,’ ‘What Did Building Do During the Pandemic, and How to Make your Buildings More Resilient’ and ‘Lessons from Managing Infrastructure through the COVID Shutdown.’ Other highly attended sessions include cutting edge labs, IAQ, ASHRAE standards, ethics, controls and energy efficiency. Attendees also observed new equipment and products demonstrated by conference sponsors.

“The ASHRAE Virtual Winter Conference provided an ideal place for our members and industry professionals to connect directly with each other, to explore the latest research and learn how to



address the challenges that we all face in establishing healthy indoor environments for building occupants," said 2020-21 ASHRAE President Charles E. Gullledge III, P.E. "We were pleased to be able to showcase the new and exciting ways we're moving ASHRAE forward as a society and how our resources have become an invaluable asset as the world learns more about the relationship between infectious disease mitigation and indoor air quality."

The conference kicked off with the ASHRAE Meeting of the Members, including a Secretary's Report from ASHRAE Executive Vice President Jeff Littleton and the State of the

Society address from President Gullledge, updating the membership on the traction gained from his society theme, "The ASHRAE Digital Lighthouse and Industry 4.0." Both spoke on recent society accomplishments including a successful research promotion campaign, the work of ASHRAE's Epidemic Task Force during the pandemic, the establishment of a diversity task group, government affairs involvement and the opening of ASHRAE's new Global Headquarters.

"ASHRAE volunteers remain committed to sharing their valuable time, wisdom and

expertise – they remain steadfast in their determination to make the world a better place through ASHRAE," said Littleton during his report. "Thank you to the thousands of volunteers at the society, regional and chapter levels that have adapted and persevered – and in many cases flourished – under these trying circumstances. Because of you, ASHRAE will emerge from the pandemic stronger and more influential than ever before."

The ASHRAE Meeting of the Members video can be found at [ashrae.org/president](https://ashrae.org/president).

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## Awards

Every year around this time the local ASHRAE chapter pursues the application for their yearly technical awards. These awards are easy to apply for and can bring well deserved attention to a locally designed project. If you have a project that you want to submit, please download the forms at the bottom of this website: (<https://www.ashrae.org/membership/honors-and-awards/technology-awards-program>) and send them to [elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com).

If you have any questions about the Technology Awards please contact Liz Primeau by email ([elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com)).

- Short Form Application (for Chapter/Regional Level): [Tech Award Short Form - Jan 2016 Version \(most current in Jan 2021\).pdf](#)

- Long Form Application (for Society Level): [Tech Award Long Form - March 2019 Version \(most current in Jan 2021\).pdf](#)



**CTTC Chair Promotion**  
**Elizabeth Primeau**  
2020-2021  
OVC CTTC  
**Total HVAC**

E-mail: [elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com)

The deadline to submit these is Friday March 19th at 5pm.

Thank you

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## Student Activities

The last couple of months have been loaded with student activities. Thanks to everyone that has participated and made the student program for Ottawa Valley so great!

First, I would like to congratulate Viktor Wozniak for winning the Ottawa Valley Chapter ASHRAE Scholarship at the Society's 2021 Virtual Winter Conference! Viktor is an undergraduate Aerospace Engineering student at Carleton University. The Ottawa Valley Chapter ASHRAE Scholarship is awarded to a qualified undergraduate mechanical, architectural, sustainability, or building science engineering or engineering technology student

enrolled full-time at a post-secondary educational institution within the ASHRAE Ottawa Valley Chapter or Canada's National Capital Region. The scholarship is worth \$3,000 for the 2021-2022 academic year.

I would also like to introduce James Pady as a new member of the Student Activities committee. James was introduced to ASHRAE through past student activities and he is excited to get involved. I look forward to working with James to continue the student program.

Finally, we have successfully coordinated and held the first region-wide career virtual career



**Student Activities**  
**Jayson Bursill**  
2020-2021  
OVC Student Activities  
**Carleton University**

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fair on Tuesday, February 23rd 2021. This online career fair provided a unique opportunity for employers to recruit individuals from Southern Ontario to the Atlantic Ocean. I would like to earnestly thank everyone that participated. I will provide some closing statistics from the career fair when I receive them.

# Research Promotion

Thank you to our donors, we are getting many first time voters donating when attending the meeting, thank you to all and welcome to the new direct donors! Thank you for all of your continued support of the ASHRAE Research Canada. All of the money donated to ASHRAE research goes back to the support of our community, and you can control exactly where that goes.

Thank you to the RP Campaign Committee for volunteering their time, we are changing up our team for the remainder of the year with Joel Primeau taking the RP Chair position, and Adrienne Mitani will remain on the committee.

A special thank you goes out to SK Sheet Metal and Climate Works for their donations this month.

The Ottawa Valley Chapter has raised \$13,575.00 of our goal is \$37,700 and we are confident that our chapter and committee can achieve this committee. The Society RP campaign raises over \$2.2 million each year from over 6,000 donors.

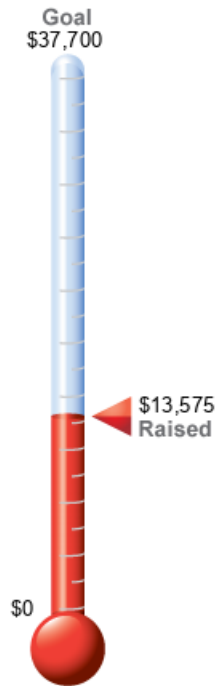
The following list of current 2020-2021 RP Campaign donors will be provided in each monthly newsletter and updated monthly on the website, so donate quickly to see you name appear! The easiest ways to donate to the RP Campaign are through the links below.



**President-Elect**  
**Adrienne Mitani**  
 2020-2021  
 OVC Research  
 Promotion  
**Smith+Andersen**

**E-mail:** [adrienne.mitani@smithandandersen.com](mailto:adrienne.mitani@smithandandersen.com)

Or a cheque can be sent made payable to ASHRAE Ottawa Valley Chapter, please contact Joel or Adrienne if you would like to make any arrangements for sending a check.



<b>ASHRAE Partner</b> \$5,000-\$9,999	<b>ASHRAE Associate</b> \$2,500-\$4,999	<b>Major Donor Silver</b> \$1,000-\$2,499
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<b>Special Thank-You to the following Donors for their contribution</b> David Michelin, Chris Brown, Ross McLaren, Neil Armstrong, Andrew Klassen, Dave Merrick, Carolyn Kerr		

ASHRAE Society link: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/6567/index.php?m=eventSummary>

ASHRAE Research to address COVID-19: <https://xp20.ashrae.org/secure/foundation/covid.html>



# Government Affairs

In February I joined GAC members from across the province talking to Ontario Parliament members at virtual meetings with the Toronto Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) which a non-profit national trade association. I joined for the two Ottawa MPP's, MPP Jeremy Roberts (West Nepean) and MPP Stephen Blais (Orleans). We discussed Indoor air quality, ASHRAE standards, Energy efficiency and support of the Skilled Trades.

To stay current on ASHRAE COVID-19 Response resources check out <https://www.ashrae.org/technical-resources/resources> including guidance's on infection aerosols, position documents and more.

## Canadian Energy Efficiency Training Opportunities

Efficiency Canada has compiled a database of online training

opportunities in energy efficiency, which will be expanding over the course of the summer and into the fall. Now is a great time to plan ahead for what the workforce might look like for the year, and to upgrade or learn new skills in our sector. You can browse courses, including those from ASHRAE [here](#).

## Legionella Conference Virtual Special Session

On March 9-10, NSF Health Sciences and the National Environmental Health Association will be presenting a virtual special session on preventing disease and injury from waterborne pathogens in an emergent health crisis. This two-day session will focus on how managers in health care, water utilities, manufacturing, cultural institutions, and hospitality, as well as health departments and regulators, can better respond to water-related challenges during a pandemic or major health crisis. Since prolonged closures or low



**President-Elect**  
**Adrienne Mitani**  
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OVC Research  
Promotion  
**Smith+Andersen**

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occupancies of industrial, commercial, educational and other types of facilities can significantly increase the risk of pathogen growth in plumbing systems, it is important that attendees understand how to develop emergency plans and adapt water safety practices to prevent avoidable public health hazards.

The [Legionella Conference website](#) contains more detail on speakers and topics.

# Women in ASHRAE – Tech Hour

We are excited to host our first WiA event this year. We invite you to watch ASHRAE's Tech Hour #1 with the topic Optimize Occupant Health, Building Energy Performance and Revenue through Indoor-Air Hydration presented by Stephanie Taylor followed by a virtual social networking session.

**Location:** Zoom meeting

**Date:** Wednesday March 31st, 2021

**Time:** 6:00pm-8:00pm

**Tech Hour #1:** *Optimize Occupant Health, Building Energy Performance and Revenue through Indoor-Air Hydration*

presented by Stephanie Taylor, M.D., M. Arch., Taylor Healthcare Inc., CEO

Sign up via SimpleSign up: Event registration link to be sent out early March.

This is a great way to meet other women in our industry! The focus of the Women in Engineering group within ASHRAE is to facilitate the retention of women working in the built environment by encouraging opportunities for professional development, expanding leadership skills, and creating a network of women supporting women.



**Secretary**  
**Celine Baribeau**  
2020-2021  
OVC Secretary  
**BPA**

E-mail: [cbaribeau@bpa.ca](mailto:cbaribeau@bpa.ca)

For more information regarding WiA or for future event sponsorships please do not hesitate to contact me at [cbaribeau@bpa.ca](mailto:cbaribeau@bpa.ca)

Thank you and looking forward to it!

Glenn Jones B.Eng LEED AP BD+C  
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## Venting/ Draft Control Job Description

Total HVAC's team is growing! If you are a committed, enthusiastic, problem solving, and collaborative professional looking to contribute to a hard-working, professional, and knowledgeable team, this opportunity is for you.

### **About Us:**

Total HVAC has been a leader in the supply of commercial heating, ventilation, and air-conditioning equipment in Eastern Ontario for almost 25 years. We pride ourselves on giving our customers, be they contractors, consultants, or end-users, a value-added experience from start to finish for all our products and solutions. We are known for our exceptional response time, system and equipment knowledge, and professionalism. It is our mission to make lives better by providing an unparalleled HVAC equipment purchasing experience, and to be the most respected and admired HVAC employer and supplier in our market. Our core philosophies of teamwork, professionalism, and balance help create a great place to work with a great team.

### **Summary of the Role:**

Reporting to the head of Venting/Draft Control, Venting/Draft Control employees are responsible for ensuring the smooth flow of projects from start to finish. These duties include helping the Venting/Draft Control sales team with project acquisition, from take-offs, proposals, tender closings, and follow-up negotiations; project fulfilment, including coordinating with contractors, shop drawings, site measurement, order entry and shipping, along with any other office duties that will improve the efficiency of the team.

### **Duties and Responsibilities Include but Are Not Limited To:**

- Participate in weekly Venting/Draft Control team meetings.
- Ensures the Total HVAC Inc. safety policy guidelines are followed.
- Develop relationships with key customer accounts and other sales related duties.
- Maintain and update electronic project files.
- Updating of spreadsheets and other essential information to maintain comprehensive project documentation.
- Fully understand the project scope and manage changes to the project scope, project schedule and project costs using appropriate verification techniques.
- Ensure that all projects are delivered on-time, within scope and within budget.
- Address all relevant issues with the appropriate correspondence in a professional manner.
- Attend site meetings and perform site measurements and site co-ordination.
- Meet budgetary objectives and adjust project constraints based on financial analysis with the assistance of the head of Venting/Draft Control.
- Manage warehouse venting inventory, cleanliness, organization, and customer service.
- Invoice in an accurate and timely manner, according to the payment terms.
- Liaise with architects, engineers, mechanical contractors, subcontractors, and tradespeople.
- Continuously develop product and job knowledge by studying new product descriptions and participating in educational opportunities.
- Maintain and improve quality results by following standards and recommending improved policies and procedures.
- Establish and maintain relationships with vendors, the clients, and all stakeholders.
- Represent Total HVAC in a professional and fair manner.
- Other duties deemed appropriate.

## **Competency Requirements:**

- Enthusiastic, Adaptable to Change, and Open Minded
- Strong Work Ethic, able to Work Independently & takes pride achieving Exceptional Performance
- Customer Focused
- Professional Development
- Holds Self and Others Accountable
- Problem Solving
- Teamwork and Collaboration
- Values and Respects Others
- Well Organized and Detail Oriented
- Excellent Communicator and Decision-Maker

## **Educational Requirements:**

- Diploma in a related field is considered an asset
- G2 gas license considered an asset

## **Work Experience Requirements:**

- 1-3 years of experience in a related field is considered an asset

## **Skills, Abilities, and Other Requirements:**

- French/English bilingualism an asset
- Must possess strong verbal, written, analytical, and persuasive skills and the ability to communicate and interact with all levels of customers, employees, and management
- A working understanding of HVAC systems, their purpose and function is an asset
- Basic knowledge of building systems and their operation
- Basic knowledge of QuickBooks and Inflow Inventory System is an asset
- Construction scheduling, planning, and execution
- Construction drawing analysis
- Knowledge of applicable local and provincial building codes is an asset
- Must have strong technical, interpersonal, and organizational skills
- Previous construction site experience is an asset
- Demonstrated understanding of scheduling, job costing and project tracking is an asset
- Must have a valid driver's license and a vehicle

## **Proficient user of:**

- MS Office (Word, Excel, Outlook, PowerPoint, Microsoft Teams)

Total HVAC welcomes and encourages applications from persons with disabilities. Accommodations are available upon request for candidates taking part in all aspects of the recruitment and selection process.



# Advertising

Advertising career opportunities on the **ASHRAE Ottawa Valley Website** makes good business sense. We offer a unique way to reach technical professionals and make your ad dollars work hard for you.

To discuss your needs, contact one of our chapter officers, via our "This Year" page. Increase the impact of your advertising through the **ASHRAE Ottawa Valley Website** today.

Rates for **career opportunities** ads are as follows:

## Chapter Member:

\$50/month  
\$80/2 months  
\$100/3 months

## Non-member:

\$250/month

*Note: Purchase of additional months will only have a discounted rate if purchased up front. Otherwise the standard rate will apply for additional months.*

## Placement of an Ad

We suggest that you complete and submit our advertisement form to speed up the processing of your request. If you have provided your e-mail address, a confirmation receipt e-mail will be sent to you for reference.

Please note that ads require prepayment made to the treasurer. Please register and pay through the online system and contact **Ryan Dickinson** ([ryand@vreng.ca](mailto:ryand@vreng.ca)) with any questions. Follow the link below for payment.

The ads will appear on the website until the end date for publication provided in the submitted form. To extend the ad, please resubmit the form with the new publication dates and the required prepayment amounts.

Link: <https://ashraeottawa.simplesignup.ca/en/6568/index.php?m=eventSummary>



## Treasurer

**Ryan Dickinson**

2020-2021

OVC Treasurer

**V&R Engineering**

E-mail: [ryand@vreng.ca](mailto:ryand@vreng.ca)

# Business Card Ads

You can support your chapter and promote your business by placing your business card in the Capital Communique. It will also appear on the chapter website.

The cost is \$250.00 for the year. Please contact **Rod Lancefield** at [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com) for more details.

Payment will be made through the online system. Follow the link below for payment.

<https://ashraeottawa.simplesignup.ca/en/6570/index.php?m=eventSummary>

Ads will **now require prepayment**. All of last year's ads will appear in the Communique for the first month of this year to allow time for payment for the upcoming year. Ads will be refreshed accordingly in the second Communique.

## Publicity

**2020-2021 Publicity Committee Co-Chair**

HTS Engineering Ltd.

E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)



## Publicity

**Rod Lancefield**

2020-2021 Publicity

Committee Co-Chair

**HTS Engineering Ltd.**

E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)

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