



DATE: Tuesday February 16, 2021
1600 - 1730 Hrs EST

LOCATION: Zoom Webinar

PROGRAM: Brief Presidential Address and Lean Integrated Project Delivery

Description: The solution to current industry waste and stagnation requires a fundamental shift in project delivery approach. Early collaboration is required by all project stakeholders to better integrate project fundamentals, integrate systems, lower overall delivered costs, and improve schedule. Integrated project delivery (IPD) focuses on driving customer value, eliminating waste, and fostering continuous improvement. Content covers the following topics.

- What is IPD?
- Lean Philosophy
- Conditions of Satisfaction
- Target Value Design
- IPD Applied

SPEAKER: ASHRAE Society President Charles E. Gulledge III, P.E.,
HBDP, LEED AP, Fellow ASHRAE

Charles E. Gulledge III, P.E., HBDP, LEED AP, Fellow ASHRAE, is ASHRAE's President for the 2020-21 term. Gulledge 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 including the Exceptional Service Award, Distinguished Service Award, Chapter Service Award, Regional Award of Merit, two ASHRAE Technology Awards and the Dan Mills Technology Award. In addition to his time served on the Board of Directors, Gulledge has served as chair of the Members Council and the President-Elect Advisory Committee, chair of the Finance Committee, chair of the Standards Membership Ad Hoc Committee, chair of the Development Committee for Fundraising, and as an ASHRAE Distinguished Lecturer.

(cont.)

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/8021/index.php?m=eventSummary>

<http://www.ashrae.ottawa.on.ca>

e-mail: contact@ashrae.ottawa.on.ca

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, Gulledge'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. Gulledge is currently a Senior Mechanical Engineer with Environmental Air Systems, LLC. He is registered as a professional engineer in the states of North Carolina, Georgia, Kentucky, South Carolina, Alabama and Virginia. Gulledge's comprehensive design, construction and operational portfolio covers a variety of market sectors; including transportation, commercial,

educational, institutional, lodging, sports, mission critical, life sciences, healthcare, pharmaceutical, manufacturing, industrial, archival, historical, and hospitality. Gulledge is a 1983 graduate of North Carolina State University with a Bachelor of Science in Mechanical Engineering.

President's Message

Happy February to you all! Our first meeting for 2021 was a wonderful success, with lots of positive feedback. It has been a pleasure to watch how our program team has maintained such a high level of content month in and month out. I have yet to hear a comment that didn't champion the fine work that they're doing. It is great to know that our community in the OVC is so engaged and supportive of the efforts being made to continue to thrive during a challenging time.

I'm also very proud of some distinguished members of our Chapter who have recently been featured in the ASHRAE journal. Both Gemma Kerr and William O'Brien have continued to make a number of contributions to the journal. With years of experience and insight, they make sure to share the wealth of knowledge that they have gained. It is a tremendous pleasure to see our chapter so well represented and respected in the ASHRAE community.

Volunteer. What a wonderful word. Freely offering to take on a task. Being a part of any volunteer role is a gift. One that may take some

time and effort, but also a truly rewarding endeavor.

ASHRAE, and the OVC specifically, has been blessed with an incredible amount of giving people in its storied history. Men and women who have engaged for a great number of years, and have run the gamut of positions that are needed. While this has always been one of our chapter's trademarks, it can also lead to complacency. As a team, we don't always stay as proactive as we should be to ensure that our leadership remains strong and viable. It is important that we maintain strong teams. Active chairs, healthy committees, and a sense of community will be what allows our chapter to continue to thrive.

To that end, I ask all of our membership to look in the mirror, as well as look around the room. For those in leadership positions, sometimes a gentle nudge is all that it takes to have junior persons engage.

Being a volunteer is a true pleasure. The amount that can be gained both personally, and as a group, is enormous. Being an ASHRAE

volunteer, even greater.

Please reach out to any of our chairs, board, or executive to see if there are ways that you, too, can make a larger impact in our professional world.

Thank you all for the things you do to keep ASHRAE Ottawa Valley Chapter strong. Thank you also, for the many things that you do to create a better community around us.

With warm regards.

Adam



President
Adam Moons
2020-2021
OVC President
Master Group

E-mail: amoons@master.ca

AMERESCO
Green • Clean • Sustainable

ROY SAMHABER, P. ENG.
senior project manager

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

Mark Csiffary P.Eng.
President

BAXTEC
MECHANICAL SERVICES

2470 Don Reid Drive
Ottawa ON K1H 1E1
mark@baxtec.com
www.baxtec.com
W: 613-738-7450 C: 613-229-8277

BELIMO

Clark Campbell, C.E.T.
Regional Applications Consultant
Canada

Belimo Americas
BELIMO 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

What You Missed

The fourth program meeting of the 2020/2021 ASHRAE season was held on January 19, 2020 via the virtual platform Zoom. The theme for the meeting was YEA, Young Engineers in ASHRAE. The meeting had 53 registered attendees. The program for the evening was Targeting Success – Improve Employee Satisfaction, Retention, and Profit, presented by Julia Keen.

Before the program meeting, a technical session was hosted by Joel Primeau. Joel talked about BAS essentials for engineering consultants. He explained the role of engineers focus on when describing the BAS. The job for an engineer when specifying and describing controls is to focus on defining the outcomes and design intent. What the equipment should do it, not so much how it should be done. Technologies evolve fast therefore we leave the how with the control vendors. The designer must write clear, concise and simple sequence of operations. Joel noted that it is good practice to write the sequence of operations first before selecting the equipment. Another role of the engineers is during the start-up (commissioning). It is important to focus again on the outcome, to

confirm if the system delivering the performance expected.

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 YEA and emphasized that if you are new to the organization, to please feel free to reach out to anyone currently involve to learn about their experience and the value they receive of ASHRAE.

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

President Adam Moons the introduced CTTC Chair Elizabeth Primeau. Elizabeth 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, Targeting Success – Improve Employee Satisfaction,



Secretary
Celine Baribeau
2020-2021
OVC Secretary
BPA

E-mail: cbaribeau@bpa.ca

Retention, and Profit, and introduced the speaker, Julia Keen.

Julia Keen, P.E., Ph.D., ASHRAE Fellow, BEAP, HBPD is Professor of Architectural Engineering and Construction Science at Kansas State University holding the Bob and Betty Tointon Engineering endowed chair. She also owns her own consulting company, Keen Designs, PA. Her specific areas of interest include HVAC design, energy codes, high performance design, HVAC education, and the advancement of women in the building design and construction industry.

Julia became involved in ASHRAE as a student member of the Kansas State University student branch. She has acted as the faculty advisor to this branch since 2003. Through the years, Julia has held several chapter positions including President of the Cedar Valley Chapter. She has also been involved in many Society level

ENGINEERING PERFORMANCE...
... mechanical, electrical, building automation, environmental, ...

bpa
advanced sustainable building systems

Patrick St-Onge, P. Eng. LEED AP | 613-596-6454 | bpa.ca
1960 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9

DILFO MECHANICAL

Danny Dillon, MBA, GSC
President & CEO

E: Danny.Dillon@DILFO.com
T: 613.741.7731 | C: 613.880.8504
1481 Cyrville Road, Ottawa, ON K1B 3L7

Goodkey, Weedmark & Associates Limited
Consulting Engineers

Ross McIntyre, P.Eng.
Principal, Designated Consultant, Mechanical Engineer

1688 Woodward Dr., Ottawa, ON, Canada, K2C 3R8
Telephone: 613-727-5111 ext. 239 Fax: 613-727-5115
rossmc@gwal.com

Goodkey Weedmark 50th Anniversary 1956 - 2006

Rod Lancefield P.Eng. LEED® AP
Engineering Sales
rod.lancefield@hts.com
C 613.851.1997

HTS

HTS Ottawa
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

BEST MANAGED COMPANIES
Platinum member

INAIR Environmental Ltd.
Environmental Consultants

Jimmy Chahwan
vp

T 613-722-5486 x 223
C 613-262-6285
F 613-722-2817

jimmychahwan@inairenvironmental.ca
www.inairenvironmental.ca

InAIR Environmental Ltd
Sister Company of Miriton Ltd
200-1716 Woodward Dr.
Ottawa, ON K2C 0P8

J.L. Richards
ENGINEERS - ARCHITECTS - PLANNERS

Joël Primeau P.Eng., ing., LEED AP, HBPD
Associate
Chief Mechanical Engineer

jprimeau@jrichards.ca
343 804 4664
www.jrichards.ca

J.L. Richards & Associates Limited
864 Lady Ellen Place
Ottawa, ON Canada K1Z 5M2

committees including: Finance, Publishing and Education Council, Planning, Publications, Conferences and Expositions, and Certification as well as chaired TC6.1-Hydraulic and Steam Equipment and Systems. Julia served in the elected positions on the ASHRAE Society Board of Directors as Vice President (2017 - 2019) and Director-at-Large (2013 - 2016). As a DAL and VP she served as Ex Officio/Coordinating Officer to the Refrigeration, Society Rules, and Standards Committees and was a voting member of Tech Council. Julia continues to promote her passion of HVAC education through the HVAC Essentials Course she co-developed and delivers for ASHRAE around the world.

Julia Keen started the presentation listing the learning objectives of her topic. In general, it's good for business to retain women in the industry. Julia noted that her goal is to help improve the HVAC industry, create awareness and consciousness. There is a shortage of employees in the HVAC&R industry. Julia indicated that we are not producing enough candidates to work in the industry and that one solution is to consider attracting alternate demographics. Diversity will increase experiences and perspective and increase effectiveness of problem solving.

It's been proven that companies with greater number of women outperform competitors in profitability. Julia listed a few statistics based on US data. Women compose of 13% of the

engineering workforce, which has changed less than 5% in 20 years. Nearly 20% women enter the workforce with engineering bachelor's degree each year. Julia explained how retention is likely and issue. Another fact mentioned, is that women in STEM are 8 times more likely to leave the field than other professions. Women are less likely to return to the work after starting a family. Men also leave engineering but at lower rates.

Retention is not a women issue but more of an employer issue. What can be done? There are many barriers that can be overcome to encourage more women in the industry such as the image, the work culture, the balance and identity.

Work culture is a barrier that creates certain isolation in the work environment. Julia emphasized that it is important to have everyone be able to participate and to equally have both men and women included. Another barrier is the lack of support network.

Communication styles must change based on the audience. The employer needs to ensure the management style to be inclusive. Women have a need more than men to hear of a job well done, for self-promotion. Women are taught more to be humble and not brag. However, on the other side men are more tended to brag. Because of this, women are not as good to promote themselves. Women might be overlooked by their contributions. The employer







needs to find ways to emphasize and promote their accomplishments.

Julia then continued talking about what are the recommended actions that can be done as an employer to bridge the gap between women and men. For employers, the goal is to maximize performance, profitability and to build confidence. The employer is encouraged to develop formalized mentoring program, invest in training and development. Other solutions are to reinforce contribution and value, not only for women but for all employees. Flexibility, alternate work arrangement and benefits go a long way to help retain women in the industry. Julia also encourages keeping contact during prolonged leaves. For example, sending invitations to lunch and learns for continued education.

Employees are not the only ones responsible. Professional societies can help as well, have resources available to better serve a broader demographic.

The presentation finished with a question period. Elizabeth read the questions to Julia that were sent from attendees via the webinar chat.

President Adam Moons thanked Julia Keen, ended the webinar with closing remarks and reminded attendees of the survey which will be emailed. The next meeting is scheduled for Tuesday, February 16th.

<p>Jp2g Consultants Inc. 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> 	 <p>Chris Harrison President</p> <p>chhsh@longhill.ca Phone and cell option: 613-226-3656 ext. 24 Fax: 613-226-2715 124 Rees Rd., Ottawa, Ontario K0A 1L0 www.longhill.ca</p> <p>The Energy Conservation People</p>	 <p>Benjamin Moore, P.T. Regional Sales Director Eastern Ontario & Western Quebec Applied, Commercial, Heating, Ventilation & Engineered Sales bmoore@master.ca</p> <p>T 613-829-2816 #41118 C 613-324-3087 F 613-829-3731 1 866-429-1977</p> <p>The Master Group 25H, Northside Road Ottawa (Ontario) K2H 8S1 MASTER.CA</p>
 <p>Sylvain Chenier, P. Eng., Ing. Associate Partner - Mechanical Sylvain.Chenier@mckeeottawa.ca</p> <p>1785 Woodward Drive Ottawa, ON K2C 0P9 CANADA Tel.: (613) 723-9585 x128 Fax.: (613) 723-9584 www.mckeeottawa.ca</p>	 <p>sister company of InAIR Environmental Ltd</p> <p>Jimmy Chahwan VP</p> <p>T 613-722-5486 x 223 C 613-262-6293 F 613-722-2817</p> <p>jimmy.chahwan@miron.com</p> <p>Miron Ltd 200-1716 Woodward Dr. Ottawa, ON K2C 0P8 www.miron.com</p>	 <p>CURTIS BOYCE, P.ENG Director of Operations Major Projects</p> <p>Telephone: 613-591-7505 Email: cboyce@modernniagara.com Website: www.modernniagara.com</p>

Membership Update

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

- Michael Rocque

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 February.



Membership Promotion
Josh Bourbonniere
 2020-2021
 OVC Membership Committee
TRANE

E-mail: josh.bourbonniere@trane.com

Call For Volunteers

Calling all volunteers! As chairs of the Awards & Nominations Committee, Abbey Saunders and I want to send a message to our membership reminding them of the upcoming nominations period. We will formally open positions to nominations at the March meeting, but now is a good time to give some thought to if volunteering for ASHRAE is a good fit for you.

Have you wondered how you could establish a deeper network of contacts within our construction industry? Have you thought about how you can give back to the industry that supports your occupation? Have you considered how you can be a more integral part of developing the built environment of Ottawa and the




surrounding area? The answer to these questions may be volunteering with the ASHRAE Ottawa Valley Chapter. In addition to the many good works you can do to help grow and support our local chapter, there are many benefits to you as well, from getting to know more people within the industry, to building a resume to being part of technical committees that form the standards that become building code. There are many potential positions, with varying levels of commitment that could be a great fit. From positions that require only after-work attendance at the monthly meetings, to positions that require only an hour or so a month of work from your desk, there are several ways that you can help your local chapter.



Past President
Steve Moons
 2014-2015
 OVC President
Total HVAC

E-mail: stevem@totalhvac.com

If you have a position you would like to inquire about, or just want more information, please don't hesitate to reach out to Abbey or myself, or any of the Governors or Executive on our chapter for more information.

 <p>Stéphan Riffault, P.Eng. Sales Representative 1250 Old Innes Road, Unit 518 Ottawa, Ontario K1B 5L3 613-565-2129, ext. 2128 sriffault@regulvar.com www.regulvar.com</p>	 <p>Elaine Guenette, P.Eng., LEED AP Principal E Elaine.Guenette@smithandandersen.com D 6136911853 M 3439612244 530 - 1600 Carling Ave., Ottawa ON, K1Z 1G3 T 613 230 1186</p>	<p>David Yin, P.Eng., LEED AP Principal, Buildings Senior Mechanical Engineer 400-1331 Clyde Avenue Ottawa ON K2C 3G4 david.yin@stantec.com Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 
 <p>Frank Picchione Regional Sales Manager Tel: 800-561-3449 Cell: 514-781-8381 Fax: 800-668-8478 frank@tamcodampers.com www.tamcodampers.com TAMCO locations in Ottawa, Ontario and Nashville, Tennessee</p>	 <p>Steve Moons Principal Total HVAC Inc 4A - 1050 Baxter Road Ottawa, Ontario, Canada K2C 3P1 Tel.: 613-723-4611 Fax: 613-723-4677 stevem@totalhvac.com Web: www.totalhvac.com</p>	 <p>Glenn Jones, B.Eng. LEED AP BD+C Sales Manager - HVAC Systems 1024 Morrison Drive Ottawa, ON K2H 8K7 613-356-1940 / Cell 514-951-7809 613-820-8111 / Fax 613-820-1414 gjones@trane.com www.trane.com</p> 

News Update

Hello again, OVC! Your CTTC committee is committed to keeping you up to date with the changes coming from Society. Here are two pieces of news from the last few weeks to start off your year. ASHRAE has updated their recommendations for Airborne Infectious Aerosols. The document is meant to be a valuable resource for designers and engineers. ASHRAE is also hosting the annual winter conference online. Registration is still open! There will be lots of great talk, virtual events and learning opportunities.

[ATLANTA \(January 14, 2021\) – The ASHRAE Epidemic Task Force has released new guidance to address control of airborne infectious aerosol exposure and recommendations for communities of faith buildings.](#)

An infectious aerosol is a suspension in air of fine particles or droplets containing pathogens such as the SARS-CoV-2 virus that can cause infections when inhaled. They can be produced by breathing, talking, sneezing and other as well as by flushing toilets and by certain medical and dental procedures.

[ASHRAE's Core Recommendations for Reducing Airborne Infectious Aerosol Exposure](#) concisely summarize the main points found in the detailed guidance documents produced by the ASHRAE Epidemic Task Force. They are based on the concept that ventilation, filtration and air cleaners can be combined flexibly to achieve exposure reduction goals subject to constraints that may include comfort, energy use and costs.

"This guidance outlines a clear approach for lessening the risk of infectious aerosol exposure for building occupants that can be applied in a wide range of applications, from homes to offices to mobile environments such as vehicles and ships," said William Bahnfleth, ASHRAE Epidemic Task Force chair. "ASHRAE's Core

Recommendations are based on an equivalent clean air supply approach that allows the effects of filters, air cleaners, and other removal mechanisms to be added together to achieve an exposure reduction target."

Specific recommendations include the following:

- Public Health Guidance
 - Follow all regulatory and statutory requirements and recommendations.
- Ventilation, Filtration, Air Cleaning
 - Outdoor airflow rates guidance for ventilation as specified by applicable codes and standards.
 - Recommendations on filters and air cleaners that achieve MERV 13 or better levels of performance.
 - Air cleaners usage.
 - Control options that provide desired exposure reduction while minimizing associated energy penalties.
- Air Distribution
 - Promote the mixing of space air.
- HVAC System Operation
 - Maintain temperature and humidity design set points.
 - Maintain equivalent clean air supply required for design occupancy.
 - Operate systems for a time required to achieve three air changes of equivalent clean air supply.
 - Limit re-entry of contaminated air.
- System Commissioning
 - Verify that HVAC systems are functioning as designed.



CTTC Chair

Elizabeth Primeau

2020-2021

OVC CTTC

Total HVAC

E-mail: elizabethp@totalhvac.com

The task force's [Communities of Faith Buildings](#) guidance offers recommendations on conducting worship services under epidemic conditions.

"The intent of the Communities of Faith guidance is to offer those who operate and care for buildings used for worship a plan for implementing short- and long-term HVAC strategies to reduce the possibilities of transmission of the SARS-CoV-2 virus. The document also helps communities move toward a new 'normal' operation after this public health emergency nears an end" said Rick Karg, ASHRAE Epidemic Task Force member.

Recommendations for Communities of Faith include the following:

- Identify HVAC system characteristics. Compile and review operation and maintenance manuals and schedules.
- Verify HVAC systems are well maintained and operating as intended. For maintenance, follow the requirements of [ASHRAE Standard 180 - 2018, Standard Practice for the Inspection and Maintenance of Commercial HVAC Systems](#).
 - Consider PPE when maintaining HVAC systems including filters, coils and drain pans.
- Operate HVAC systems, if present, with system fan set to run continuously when building is occupied for services or cleaning.
- Operate the system for a time required to achieve three equivalent air changes of

outdoor air (effect of outdoor air, filtration and air cleaners) before the first daily occupancy and between occupied periods, if appropriate. Three equivalent air changes can be calculated using ASHRAE's [Building Readiness Guide](#).

To view the complete ASHRAE Core Recommendations For Reducing Airborne Infectious Aerosol Exposure and Communities of Faith Building guidance, visit ashrae.org/COVID-19.

ATLANTA (January 15, 2021) – A full technical program, featuring more than 120 sessions will be presented at the [2021 ASHRAE Virtual Winter Conference](#), running from February 9-12.

The technical program includes 8 tracks comprised of 40 live sessions (most with live Q&A) and 80+ on-demand sessions, with many addressing issues related to the COVID-19 pandemic.

"As the need for current, reputable guidance to address building systems and readiness becomes a greater priority in today's climate, more than ever, we are proud to host this important conference virtually," said 2020-21 ASHRAE President Charles E. Gullledge III. "The 2021 ASHRAE Virtual Winter Conference will bring thousands of industry experts and professionals from around the world to network, exchange ideas and learn about the latest technology solutions to not only bring comfort to building occupants, but health and safety as well."

Featured live technical sessions include:

- [Lessons from Managing Infrastructure through the COVID Shutdown](#)

- [MERV 13, HEPA & UVC: What did Buildings do During this Pandemic and How to Make your Buildings More Resilient for the Next Outbreak](#)
- [Avoid the Headlines! Today's Top 10 Security Best Practices for Controls](#)
- [BAS Best Practices for O&M Success](#)

In addition to updates from Society leaders and awards presentations, here are some additional conference features:

- Early morning and evening sessions to accommodate attendee time zones from across the globe
- Keynote Speaker, Stephanie Taylor, M.D., presenting "Buildings are Our Best Medicine"
- Small group, interactive sessions to facilitate discussions, including:
 - [Forums](#): Forums will be held for attendees to hold discussions to promote a free exchange of ideas.
 - [Meet Ups](#): Meet Ups provide an outlet for small group of people who wish to meet "face-to-face" during the conference to engage in casual conversation.
 - [Roundtables](#): Roundtables discussions will be hosted by a moderator on certain topics of interest. Attendees can communicate with one another via their microphone and/or webcam.
 - Engaging [Student Program](#) with discounted Student Registration rate of \$25.
 - [Sponsor Technology Demonstrations](#): New to the ASHRAE Virtual Winter Conference, technology demonstrations will be hosted by sponsoring companies and

will provide the opportunity for attendees to join a 30-minute interactive session via Zoom to learn more about conference sponsors' technology. Attendees will be able to interact with and ask questions throughout the session.

- [Escape Room](#): A virtual Escape Room experience will be hosted by the ASHRAE Virtual Winter Conference Host Committee. Attendees may purchase tickets through their registration for \$10.
- [Virtual Tours](#): Attendees can take virtual tours of the new ASHRAE Global Headquarters building and Chicago's STACK Infrastructure Data Center.
- [Closing Performance from the Psychometrics](#): Attendees can wind down with a performance from ASHRAE's musical group, The Psychometrics.

The cost to attend the virtual conference is \$249 for ASHRAE members (\$479 for non-members, which includes an annual ASHRAE membership). Company registration packages are also available for groups of 3 or more. Registrants will receive:

- Scheduled live video chat sessions with speakers from on-demand conference paper sessions
- Downloadable copies of all conference papers
- PDHs, LEED AP credits and AIA learning units available
- Access to 120+ technical sessions for 18 months
- Updates from ASHRAE Society leaders
- Virtual networking events and sponsor kiosks

To learn more about the 2021 ASHRAE Virtual Winter Conference and to register, visit ashrae.org/2021Winter.

 <p>www.walmarventilation.ca</p> <p>24 Gurdwara Road Nepean, Ontario K2E 8B5</p> <p>BRIAN EUSTACE Engineer Liaison</p> <p>Tel: (613) 225-9774 x 252 Fax: (613) 225-2972 e-mail: brian@walmar.net</p> <p>VENTILATION & FILTRATION PRODUCTS</p>	 <p>Larry Gravelle Tel: (613) 721-3301 Fax: (613) 721-4906 1-877-733-3833 www.yorkland.net</p> <p>Yorkland Controls represents leading control systems and component manufacturers. Integrated solutions for Lighting, Card Access, CCTV and Building Automation.</p>       	
--	---	--

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. This year's team includes: Aaron Dobson, Joe Della Valle, Frank Bann, and Michael Swayne.

A special thank you goes out to Total HVAC for their generous donations.

The Ottawa Valley Chapter has raised \$12,245.00 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

Or a cheque can be sent made payable to ASHRAE Ottawa Valley Chapter, please contact me if you would like to make any arrangements for sending a check. adrienne.mitani@smithandandersen.com or 613-762-4260.



ASHRAE Partner \$5,000-\$9,999	ASHRAE Associate \$2,500-\$4,999	Major Donor Silver \$1,000-\$2,499
Longhill Energy		Ainsworth Goodkey Weedmark Total HVAC
Major Donor Bronze \$500-\$999	Major Donor Antique \$250-\$499	Honor Roll Individuals \$150-249
Parsons Refrigeration	Engineered Air Joel Primeau Daniel Redmond Applied Energy	Ryan Dickinson Celine Baribeau Joe Della Valle Adrienne Mitani Adam Moons Mike Swayne Trevor Thomson Lan Chi Nguyen Weekes Steve Moons Evans Mutua Darryl Boyce Adam Graham
Special Thank-You to the following Donors for their contribution David Michelin, Chris Brown, Ross McLaren, Neil Armstrong, Andrew Klassen		

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

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](#).

UNEP Publishes 2020 Adaption Gap Report

The UNEP Adaptation Gap Report 2020, released on January 14, states that 72% of countries have adopted a climate adaption strategy or policy at the national level, while another 9% are in the process of developing one. However, additional financing is critical to enhance adaptation and limit losses, especially in the developing countries. More information can be found in the report viewed [here](#).

President Biden Starts Process to Rejoin Paris Climate Accord

On his first day in office, President Joe Biden began the process of



President-Elect Adrienne Mitani

2020-2021
OVC Government
Affairs Committee

Smith+Andersen

E-mail: adrienne.mitani@smithandandersen.com

rejoining the Paris Climate Accord with a letter to the United Nations requesting U.S. membership. It will take 30 days for the U.S. to formally reenter the nonbinding global agreement to reduce emissions.

Biden has also laid out a series of actions he is going to take on Climate Change starting January 27. This includes initiating a series of regulatory actions to combat climate change domestically and elevating climate change to a national security priority.

ASHRAE Curling Bonspiel

Around this time each year we would normally be preparing for the annual curling bonspiel. Since 2010 this event has afforded us the opportunity to contribute approximately \$18,000 towards ASHRAE Research and local charities. It's also been an event where we could come together socially for some fun and good sportsmanship.

We would like to take this opportunity to thank all those who have contributed and made this event such a success over the years. Without your contributions we could not have achieved this success.

Although we are unable to come together this year, we ask you to reflect on all the great memories and friendships we have made over the years. We are hopeful that we will be able to continue this great event in 2022 and we look forward to seeing you all there to help support such an important and fun event!

Stay safe and take care,

Colleen Fox
ASHRAE Curling Bonspiel Chair

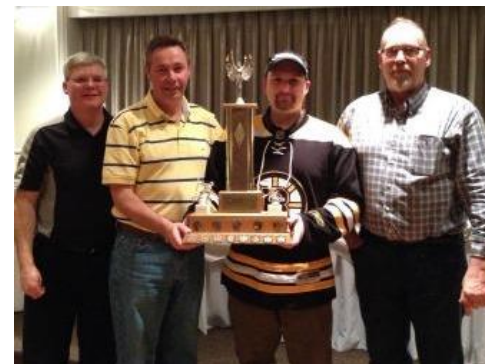


Special Events Colleen Fox

2020-2021
OVC Special Events

TRANE

E-mail: cfox@trane.com



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) 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>

Business Card Ads

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. 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 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 Communiqué for the first month of this year to allow time for payment for the upcoming year. Ads will be refreshed accordingly in the second Communiqué.

Publicity

2020-2021 Publicity Committee Co-Chair

HTS Engineering Ltd.
E-mail: rod.lancefield@hts.com



Treasurer

Ryan Dickinson

2020-2021

OVC Treasurer

V&R Engineering

E-mail: ryand@vreng.ca



Publicity

Rod Lancefield

2020-2021 Publicity

Committee Co-Chair

HTS Engineering Ltd.

E-mail: rod.lancefield@hts.com

2020-2021

President

Adam Moons

President-Elect

Adrienne Mitani

Treasurer

Ryan Dickinson

Secretary

Celine Baribeau

Governors

Joe Della Valle

Mike Swayne

Joel Primeau

Evans Mutua

Trevor Thomson

Past President

Aaron Dobson

Committees

Attendance

Sandy Taylor

Audit

Abbey Saunders

Capital Communiqué

Evans Mutua

CRC

Evans Mutua

Donald Weekes

CTTC

Trevor Thomson

Grassroots

Government Affairs

Adrienne Mitani

Financial

Sandy Taylor

Greeter

Mike Swayne

History

Zachary Lanthier

Membership

Promotion

Josh Bourbonniere

Nominations &

Awards

Steve Moons

Abbey Saunders

PAOE

Adam Moons

Program

Zarna Kakadiya

Publicity

Samir Elchomaa

Research

Promotion

Adrienne Mitani

Special Events

Colleen Fox

Rod Lancefield

Adam Moons

Michael Callaghan

Adam Graham

Student Activities

Jayson Bursill

Table Top

David Michelin

YEA

Jordan Hansen

Website

Ryan Dickinson