



DATE: Tuesday March 19th, 2024
16:30 – 21:00 Hrs EST

LOCATION: Centurion Conference & Event Center
170 Colonnade Rd S, Nepean, ON K2E 7J5

THEMES: Student Activities

PROGRAM: How to Communicate Technically in a Professional World with Technical Information

Many in our industry struggle with how to communicate effectively with technical information, keeping on target, providing the reader with a proper roadmap of information, delivering all necessary information in a logical & clear format, and doing so such that anyone within our industry can understand the objective and the solution to a given situation or problem. This session illustrates a thought process along with a structure such that anyone can present a technical problem/situation and provide a clear and logical solution in written communication for others.

March Meeting Agenda

- 4:30PM-5:30PM Technical Session
- 5:30PM-6:30PM Social Hour
- 6:30PM-8:00PM Dinner
- 8:00PM-9:00PM How to Communicate Technically in a Professional World with Technical Information
Speaker: Doug Zentz

Below prices for attendance (+ HST)

ASHRAE Associate/Affiliate/Member:	\$50.00	ASHRAE Member Guest:	\$50.00
ASHRAE Student:	\$35.00	Non-Member:	\$67.00

[Meeting 6 - March 19th, 2024](#)

Tech Session:

Load Reduction Potential of Generic Automated Demand-Response Sequences with Coincident Peak Pricing (Dre Markus)

Peak electricity demand, particularly cooling loads, imposes a strain on aging electricity grid infrastructure, and leaves the grid particularly susceptible to brownouts and blackouts. In response, incentives have been implemented to reduce or shift electricity use during anticipated peak-demand periods, including coincident peak pricing, and recent advancements in automated demand-response (DR) implementations have been demonstrated to actively adjust building operations accordingly. This presentation evaluates the zonal behavior of a typical DR strategy in a living lab by utilizing a closed-feedback loop approach to automatically respond to peak-demand events; this implementation incorporates real-time grid-wide electricity demand and BAS interoperability in-situ.

Predictive control of hydronic floor conditioning in a highly glazed building - friend or foe? (Sarah Brown)

Presented are the results of an investigation into a model predictive controller (MPC) for hydronic floor heating and cooling in a highly glazed house in Ottawa, Canada. The goal of this investigation was to determine if an MPC would simultaneously result in reduced energy consumption and reduced indoor air temperature (Tia) violations in comparison to the incumbent reactive controller (RC). Shown both experimentally and via simulation, predictive control results in more hours with Tia between the acceptable limits (19.5–25 °C) for significantly less heating and cooling system operation hours.

PROGRAM: **How to Communicate Technically in a Professional World with Technical Information**

Many in our industry struggle with how to communicate effectively with technical information, keeping on target, providing the reader with a proper roadmap of information, delivering all necessary information in a logical & clear format, and doing so such that anyone within our industry can understand the objective and the solution to a given situation or problem. This session illustrates a thought process along with a structure such that anyone can present a technical problem/situation and provide a clear and logical solution in written communication for others.

Speaker: **Douglas F. Zentz, Associate Professor (Ferris State University)**

Douglas F. Zentz, Associate Professor, is the Program Coordinator for the HVACR Programs within the College of Engineering Technology at Ferris State University. He received his Bachelor degree in Mechanical Engineering Technology from Purdue University in 1980 and his Master degree in Career and Technical Education from Ferris State University in 2007. He is a past President of West Michigan ASHRAE, a past RVC of Student Activities for Region V, and past Chair for Student Activities within ASHRAE.



In the field of HVAC/R, his background includes professional engineering sales for the Trane Company, manager of engineering-design-build for W.J. O'Neil Company in Detroit, and vice-president of engineering for EPPA-Strand Custom Air Handling in Detroit. This experience started in 1980 and continued until his transformation into teaching at Ferris State University in 2003. In the area of teaching, he has taught junior and senior level HVAC Design (primary and secondary systems), Primary Equipment Selection, Commercial Building Heat Gain/Heat and the senior Capstone Experience. His teaching experiences includes development of new curriculum (both in the traditional classroom and fully on-line) and teaching fully on-line courses for over 10 years. He has mentored eight (8) different student groups which have received either a First, Second, or Third place recognition from ASHRAE in the Student Design Competition. He serves on many educational committees and was a member of Fluke Instrument's Advisory Board on IAQ.

In the area of professional speaking, he has been the guest speaker at 36 events since 2005. Organizations which have invited him to speak include: 1) Mechanical Contractors of America, 2) Air Conditioning Contractors of America, 3) ASHRAE 4) ARI (teachers workshop), 5) Lily West Conference (educational workshop), 6) USGBC (West Michigan), 7) Ferris State University (Energy Conferences), and 8) Efficiency United (educational arm of 16 Michigan Utilities).

ASHRAE OVC Seminars

Understanding ASHRAE Standard 90.1-2022 to improve efficiency and reduce carbon emissions

Tuesday, March 19th, 2024 ([LINK](#))



**Committee
Chair**
Elikem Wotortsi
2023-2024 OVC
CTTC
Stantec

Everyone should now have understood that climate change is real. The stakeholders in the built environment must pursue solutions that favor decarbonization. ASHRAE's President Scoggins has asked us to accept the new challenges of our time in her presidential theme. Unfortunately, engineers, who have accepted the challenge, continue to face owners who may continue to demand buildings that only meet the lowest energy standards hoping to build at the lowest cost. ASHRAE Standard 90.1-2022, which will soon be incorporated into the Ontario Building Code as the energy efficiency standard, already offers many solutions that promote decarbonization. This seminar is much more than an overview of ASHRAE Standard 90.1. The presenters will explain how the standard is to be used and highlight the differences between the 2019 and the 2022 versions: but they will also present solutions and strategies found in the standard that favor and support carbon neutrality. Our conversations on decarbonization often focus on the on-site electric generation; this is obviously an important part of the solution. We all have to recognize that there are still so many affordable energy conservation opportunities through better design, before we consider the more costly and limited opportunities of on-site electric generation. In other words, most of the work left to achieve Zero Energy Buildings remains in energy efficiency and not in energy generation.

E-mail: Elikem.Wotortsi@stantec.com

This is a technical seminar; the presenters will go beyond the principles, and they will dig deep into the practical solutions.

PRESENTERS:

Joel Primeau, P.Eng, HBDP

Doug Zentz, ASHRAE Distinguished Lecturer

Seminar Location

TRANE
1024 Morrison Dr
Ottawa, ON
K2H 7J5

Seminar Agenda & Pricing

12:00pm – 12:30pm	Registration & lunch pickup
12:30pm - 1:15pm	ASHRAE Standard 90.1-2022 and decarbonization.
1:15pm - 1:30pm	Break
1:30pm - 2:15pm	Using ASHRAE Standard 90.1-2022 to improve efficiency and reduce carbon emissions Part 1
2:15pm - 2:30pm	Break
2:30pm - 3:15pm	Using ASHRAE Standard 90.1-2022 to improve efficiency and reduce carbon emissions Part 2
3:15pm - 3:30pm	Wrap up and questions.

A light lunch will be provided and collected at registration, and then eaten at the start of the seminar. Pricing is \$150 for members and \$200 for non-members.

Please let me know if you have any questions.

President's Message

We were excited to host ASHRAE Distinguished Lecturer Thomas Phoenix for a presentation on Achieving Zero Energy and the Advanced Energy Design Guide for K-12 School Buildings. We had originally invited Thomas to present in early 2021 which fell through due to all of the COVID changes, so we are glad to finally get him to Ottawa three years later.

Our upcoming March meeting I'm very excited to welcome Doug Zentz, another ASHRAE distinguished lecturer with a topic that I'm really interested in for our members, on technical communication. The one thing that engineering and technology programs do not really teach is how to communicate effectively in team which is a huge part of our industry. With the many young and new faces in our industry and the way our industry is continuing to speed up, this is a fantastic opportunity to talk about how we talk to each other. I hope to see you there!

The theme for the March meeting is Students, which is the committee I first chaired myself. Our student committee is dedicated to informing and encouraging students at many different levels from elementary school to university to consider the built environment and engineering in general. Our committee is led by Zacharie Lanthier, well supported by RVC Student Activities Elizabeth Primeau and former student chapter president Jayson Bursill, we have a strong chapter history in SA. We do outreach at the local universities and colleges, we provide prizes at the local regional science fair, and much more. Are you interested in talking to students at some level? Please feel free to get in touch with any of the board members or Zach to find out more.

March is a busy month for the ASHRAE chapter, so we hope to see you out at Curling, the Career Fair, the monthly meeting or the upcoming seminar, and please forward these events on, they are a great way to keep learning what is happening in our industry. Keep an eye on our website calendar page for updates including social events, seminars and more!







Hope to see you out during at our events!

Adrienne Mitani
2023-2024 OVC President



President
Adrienne Mitani
2023-2024
OVC President
Smith + Andersen

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 <p>ROY SAMHABER, P. ENG. 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>Rishav Goel Account Executive, Sales Automated Logic - Canada, Ltd.</p> <p>Rishav.Goel@carrier.com T: (613) 599-7708 M: (343) 549-9260 88 Hines Road Ottawa, Ontario, CANADA K2K 2T8 www.automatedlogic.com</p> <p>A Carrier Company</p>	 <p>Mark Csiffary P.Eng. 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>Belimo Aircontrols (CAN), Inc. 5845 Kennedy Road Mississauga, ON L4Z 2G3 Direct: +1 905-712-2046 Cell: +1 902-222-8599 Fax: +1 905-712-3124 gordon.inken@ca.belimo.com www.belimo.ca</p> <p>Gordon Inken District Sales Manager - Eastern Canada, Atlantic & Ottawa</p>	 <p>ENGINEERING PERFORMANCE... ... mechanical, electrical, building automation, environmental, ...</p> <p>Patrick St-Onge, P. Eng. LEED AP 613-596-6454 bpa.ca 1960 Roberson Road, Suite 100, Ottawa, Ontario, K2H 5B9</p>	 <p>ERIC MONTAMBEAULT President / CTO</p> <p>eric@controlsdepot.com</p> <p>2-5509 Canotek Ottawa, ON K1J 9J8 1-877-221-1477</p> <p>www.controlsdepot.com Beyond Building Technologies</p>

What You Missed

The 5th program meeting of the 2023/2024 OVC ASHRAE season was held on February 13th, 2024, at Centurion Conference and Events Centre. The meeting had 43 members, and 3 guests in attendance.

The program for the evening was Achieving Zero Energy Advanced Energy Design Guide for K-12 School Buildings, presented by Tom Phoenix.

Business Session: President Adrienne Mitani called the meeting to order and acknowledged the Algonquin Nation and our industry's connection to the unceded land. Adrienne introduced the Executive, and Board of Governors. Secretary Matthew Moore then presented the guests. Elizabeth Primeau introduced new members, and acknowledged companies that pay for meeting attendance. Zach Lanthier provided a student activities update and reminder about the upcoming student career fair at Carleton University. Elikem Wotortsi provided a CTTC update. Guests were informed of upcoming ASHRAE HVAC Design Training, Level 1 and Level 2, being held May 6-8 and May 9-10 respectively.

Technology awards were handed out for Chapter and Regional accomplishments in several categories.

The raffle prize for the evening, with proceeds going to ASHRAE Research, was a set of tickets to the March 17th Senators vs Hurricanes event. The raffle prize was won by Dave Lapointe. The tabletop for the evening was provided by Gorski, Plener and Associates.

Presentation: Tom's presentation provided an overview of the Advanced Energy Design Guide for K-12 School Buildings. As an active member of the committee producing the design guide, Tom was able to provide valuable insight into the development and evolution of this design guide over the last 25 years. Originally intended to provide guidelines on how to exceed ASHRAE 90.1 requirements, the Advanced Energy Design Guide was eventually shifted to focusing on achieving "zero energy" in 2015.

In his presentation, Tom stressed the importance of the difference in definition between a "zero energy" building and a "net zero" building. A zero energy building is defined as a building in which the source energy used is less than or equal to the renewable energy generated on site. Additionally, Tom covered the importance of all members of the design team being 100% committed to the goal of zero energy, and the requirement to model all design decisions. To conclude, Tom provided real examples of schools that have achieved zero energy successfully in the United States, and the design and legislative pathways required to achieve these successes.







The ASHRAE design guides are available for free at: <https://www.ashrae.org/technical-resources/aedgs>

The next meeting is scheduled for March 19th at the Centurion Conference and Event Center.



Secretary
Matthew Moore
2023-2024
OVC Secretary
Chorley+Bisset

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 <p>Brevin MacKay Engineering Sales / Account Manager Gorski, Plener and Associates (GPA inc) Ottawa, ON</p> <p>Direct: (613) 218-9686 Office: (343) 488-3000 Email: bmackay@gpa-inc.ca</p> 	 <p>Francis W.A. Bann, P. Eng. Director</p> <p>P. (613) 229-0445 E. fbann@gwal.com www.gwal.com Ottawa, ON</p> 	 <p>Rod Lancefield P.Eng. LEED® AP Engineering Sales rod.lancefield@hts.com C 613.851.1997</p> <p>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</p> 
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Call For Nominations

As the ASHRAE OVC 2023-24 chapter year comes to a close, the Nominations Committee is looking to fill some very important roles for next year. While we are always looking for volunteers at all levels, there are some roles which require a bit more investment of time and commitment. Further, these roles potentially lead to advancing to the executive level of chapter leadership, such as Secretary, Treasurer and eventually President.



Committee Chair
Steve Moons
2023-2024 OVC Nominations
Total HVAC Inc.

E-mail: steve.moons@totalhvac.com

Becoming a committee chair or Governor does not automatically mean you must advance in the chapter. That said, these are important roles that provide much of the direction for the chapter on a year-to-year basis. There is the responsibility of ensuring tasks are delegated and completed. We have a very strong core of volunteers, but we need to build upon that core to ensure we have people in place for years to come. We also have a distinct lack of volunteers who are a little more "seasoned". It would be of significant benefit to the chapter to not only have committed people to fill the roles, but also have some with healthy industry experience to draw on when helping to shape the chapter.

We currently need to find two Governors for next year, as well as having 3-4 Committee Chair openings. I will be pro-actively reaching out to some chapter members to gauge their interest and ask for their help, but please consider if you are at a spot in your career where giving back to the industry is right for you. There are many, many benefits in being an active member of the ASHRAE OVC community, and I'm happy to discuss the positions with anyone who may have interest. I've listed below the expectations of a chapter Governor. I would ask for everyone to read and consider if they would be a good fit for this role, and if so, please reach out to me. Thank you all very much.

Governor – ASHRAE Ottawa Valley Chapter

The position of Governor has a variety of responsibilities within the chapter. First and foremost is to attend monthly Board of Governor meetings, typically held the Thursday after the monthly chapter meeting, at which time the issues of the chapter are discussed, deliberated and action decided. Governors are one of 9 voting members of the chapter, and are tasked to consider the progress of the chapter, and what is necessary to advance it in the arts and science of heating, ventilation and air-conditioning. Additionally, there is an expectation that governors will do all they can to attend the eight monthly evening meetings during the chapter year, so they are available to the membership. A third key role is to be the Board liaison with various chapter committees, and report to the Board as to updates and requirements for the committees for which they are responsible. Lastly, they are required to delegate tasks to the various committees and committee members based on the Board's decisions. They don't need to do the work, but they do need to ensure the work is done.

J.L. Richards
ENGINEERS, ARCHITECTS, PLANNERS

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The Energy Conservation People

News Update

ASHRAE Concludes Chicago Winter Conference and AHR Expo With Impressive Attendance and Accelerated Decarbonization Action

The 2024 ASHRAE Winter Conference proved to be a dynamic convergence of HVAC&R industry leaders, experts, and professionals with a central focus on critical topics such as decarbonization, climate change, artificial intelligence and more.

Held from January 20-24th in Chicago, the conference saw a robust gathering of industry professionals with nearly 3,800 people registered to attend. The conference included 458 committee meetings, 125 technical sessions and numerous engaging social events and activities. The AHR Expo, spanning an expansive 527,000 net square feet of exhibit space at McCormick Place, played host to more than 1,860 exhibitors, including 344 international exhibitors, unveiling cutting-edge HVAC&R technologies, products, and services. An estimated 50,000 people attended the Expo over the course of three days.

Find out the top three most attended Winter Conference sessions [here](#).



Committee Chair
Elikem Wotortsi
2023-2024 OVC
CTTC
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ASHRAE Technology AWARDS

The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation. Their designs incorporate ASHRAE standards for effective energy management and IAQ. Projects are categorized as shown, and winners in each category are selected at the Chapter, Region, and Society levels. At the Society level, System Performance is proven through one year's actual, verifiable operating data.



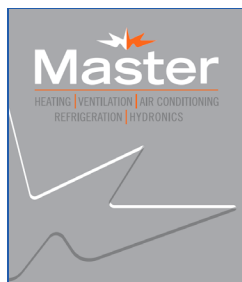
Committee Chair
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2023-2024 OVC
CTTC
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E-mail: Elikem.Wotortsi@stantec.com

The deadline for applying at the Chapter level is APRIL 30th, 2024.

For more information, visit www.ashrae.org/technologyawards or reach out to Elikem Wotortsi (CTTC Chair), David Eckel (CTTC Co-Chair), or Trevor Thomson (CTTC BOG Rep).

- Commercial Buildings (New, Existing, Existing Building Commissioning)
- Institutional Buildings (New, Existing, Existing Building Commissioning)
- Health Care Facilities (New, Existing, Existing Building Commissioning)
- Industrial Facilities or Processes (New, Existing, Existing Building Commissioning)
- Public Assembly (New, Existing, Existing Building Commissioning)
- Residential (New, Existing, Existing Building Commissioning)



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2024 Curling Bonspiel

The ASHRAE Annual Curling Bonspiel is returning in 2024! It will be held once again at the **Nepean Sportsplex** on **Friday, March 15th, 2024**.

Registration for the event is now closed. We have 16 teams signed up!

There will be practice ice available between 11 am-11:45 am with the first rock of the Bonspiel being thrown at **12:00PM**. Dinner will follow at approximately 6:00 pm at the Richmond Room on site.

For food allergies any other questions, please contact Committee Chair Mitchell Geis at 613-714-6588 or Mitchell.geis@condair.com (email preferred).

We look forward to seeing everyone at the event!



Committee Chair

Mitchell Geis
2023-2024 OVC
Curling Bonspiel
Condair LTD.

E-mail: mitchell.geis@condair.com

YEA

The YEA Committee is excited to bring more events to you in the new year.

For now, if you are interested in **FREE HVAC Design Essentials Training**, YEA at the society level also offers scholarships to take the ASHRAE Learning Institute course. Applications are now open again. This is a great opportunity to build essential early career skills that are in demand in the field of buildings.

Resources:

HVAC Design Essentials Training Scholarship: [LINK](#).



Treasurer
Jayson Bursill
2023-2024
OVC Treasurer
Delta Controls Inc.

E-mail: jayson.bursill@gmail.com

 <p>Stéphan Riffault, P.Eng. Branch Manager</p> <p>2310, St-Laurent Blvd., Unit 203 Ottawa (Ontario) K1G 5H9 613 565-2129, ext. 2128</p> <p>sriffault@regulvar.com www.regulvar.com</p>	 <p>Elaine Guenette P.Eng., LEED AP Principal</p> <p>E Elaine.Guenette@smithandandersen.com D 6136911853 M 3439612244</p> <p>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</p> <p>300-1331 Clyde Avenue Ottawa ON K2C 3G4</p> <p>david.yin@stantec.com Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 
 <p>Carlo De Luca Regional Sales Manager</p> <p>t 800 561 3449 c 514 806 9217 e carlo@tamcodampers.com</p>	 <p>Steve Moons, P.Eng. Principal</p> <p>4A - 1050 Baxter Rd. P: 613-723-4611, ext. 106 Ottawa, Ontario C: 613-229-5806 Canada, K2C 3P1 E: steve.moons@totalhvac.com W: www.totalhvac.com</p>	 <p>Glenn Jones B.Eng LEED AP BD+C Sales Manager - HVAC Systems</p> <p>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> 

Technical Tour - Zibi Plant

Date: Wednesday, March 20th, 2024
Location: Zibi Plant, 10 Rue Jos-Montferrand, Gatineau, QC, J8X 0A6, [Google Map](#)
Registration Deadline: Monday, March 18th, 2024
PRESENTED BY: Phil Gauthier – Partner - Equinox

OVERVIEW:

Tour of the Zibi Community Utility Plant. Zibi is unique new development of 4,000,000 square feet of residential and commercial buildings on 34 acres of former industrial lands in downtown Ottawa and Gatineau. Zibi aims for the One Planet certification, which includes a commitment to net-zero carbon. To achieve this in Ottawa's challenging climate, all buildings will be connected to a zero-carbon district energy system that uses waste industrial heat in winter from the neighboring papermill and the adjacent river for heat rejection in summer. The heating network is a low temperature water at 45°C produced by centralized high efficiency heat-recovery chillers. The tour will include a brief overview of the community, and then a walk-through of the district energy plant with the CEO of the company, and the design engineer.

There is no protective gear required, and there is paid parking available, although carpooling is encouraged. The tour is planned to run between 60-90 minutes. **Please register online if you wish to attend.**

Event Link: [HERE](#)

COST: We would like to invite attendees of the tech tour to donate \$10 to RP, but this is NOT MANDATORY.

Contact & Support: For support or inquiries, please email us at info@ashrae.ottawa.on.ca.

Membership Update

Hello OVC!

It is my pleasure to wish a very warm welcome to the new members that have joined the Chapter since our last communique article:



- Kevin Guerin
- Cedric Hupe-Pageau
- Hind Cheikh
- Marc Andre Blanchard

Welcome to our Chapter!



Committee Chair
Elizabeth Primeau
2023-2024 OVC
Membership Promotion
Committee
Total HVAC

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 <p>WALMAR Mechanical Sales Limited MANUFACTURERS, AGENTS & DISTRIBUTORS</p> <p>Chris Brown</p> <p>Tel: 613.225.9774 Fax: 613.225.0673 e-mail: chrisbrown@walmart.net www.walmart.net 24 GURDWARA ROAD, NEPEAN, ONTARIO K2E 8B5</p>	<p>Yorkland Controls</p> <p>Vinodh Lakshman Regional Sales Director vin@yorkland.net</p> <p>ENVIRONMENTAL SOLUTIONS</p> <p>1050 Baxter Rd, Unit 6A Ottawa, ON K2C 3P1 yorkland.net</p> <p>m. 613-880-8188 f. 613-721-4906 tf. 877-733-3833</p> <p> WILE-LEGAULT.COM HVAC CONTROLS</p> <p>1260 Old Innes Rd, Unit 605 Ottawa, ON K1B 3V3</p> <p>t. 613-747-1867 f. 613-745-6042 tf. 800-720-7757</p>	
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Research Promotion



**President-Elect
Evans Mutua**
2023-2024 OVC
Research Promotion
Committee
City of Ottawa

E-mail: Evans.mutua@ottawa.ca

Thanks to all our members who attended the February 2024 meeting at the Centurion. As usual, I was out in the crowd during social hour, giving you the opportunity to fundraise for ASHRAE Research and get a chance to win a raffle prize while at it. I'm happy to announce that you did not disappoint! This time you raised a respectable \$410. Thank you to Engineered Air for graciously donating the raffle prize.

Dave Lapointe of Applied Energy Systems was the lucky winner for the night after his ticket was picked by the presenter, Mr. Tom Phoenix. Dave gets to enjoy the St. Patrick's Day game between the Senators and Carolina Hurricanes in the 100 level seats with a complimentary \$100 in food & beverages. Not bad for \$20 raffle tickets!

We also had recognition table tents at each table to recognize our valued sponsors. If you'd like to see your name or your company's logo at the March meeting, don't hesitate to donate through any of the links below.

Thanks to our corporate sponsors who have been ramping up their donations in the new year. After a few recent contributions, we are now at 47% of our goal!

In case your membership is up for renewal, it is highly recommended to make the donation at the same time as you renew your membership as this is the quickest way to do it. You may also donate by sending a cheque, payable to ASHRAE Ottawa Valley Chapter to this address:

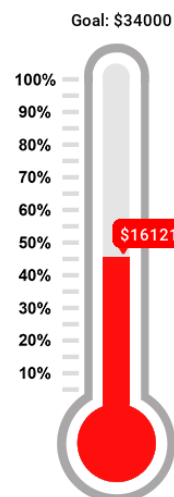
P.O. Box 21088, 1166 Bank St, Ottawa, ON K1S 3X7, or contact me to pick it up from you.

Do not hesitate to contact me with any questions:

Evans Mutua
ASHRAE OVC Research Promotion Chair 2023-2024
Evans.Mutua@ottawa.ca

Thank you for your continued support!

ASHRAE Society link: <https://www.ashrae.org/about/invest-in-the-rp-campaign>
ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/13058/index.php?m=eventSummary>



ASHRAE Partner \$5,000 - \$9,999	ASHRAE Associate \$2,500 - \$ 4,999	Major Donor Silver \$1,000 - \$2,499	
	Total HVAC	ProEng Consulting E.H. Price Mastron Mechanical Ainsworth SK Sheet Metal	
Major Donor Bronze \$500 - \$999	Major Donor Antique \$250 - \$499	Honor Roll Individuals \$100 - \$249	
Condair Controls Depot TRANE GPA Parson Refrigeration	Joel Primeau Evans Mutua	Mike Swayne Trevor Thomson Adrienne Mitani Josh Bourbonniere Jayson Bursill Chris Brown	David Michelin Steve Moons Abbey Saunders Matthew Moore Adam Graham Darryl Boyce
Special Thanks to the following donors for their contribution: David Fanset, Heather Turcotte, Dr. Martino Fanfani, Chris Brown, Jeff Jarvis			

Student Activities

We are always pushing for further recruitment of student members, so if there are any of your eligible colleagues that are interested in learning more about or joining ASHRAE, please contact Student Activities at Zacharie.lanthier@smithandandersen.com, or help them sign up through the ASHRAE website (www.ashrae.org). Student members can take advantage of savings towards their membership dues, on top of the countless other benefits of becoming ASHRAE and OVC members, as well as the many activities planned for the year!

We would like to thank members who have been sponsoring student meals for the previous meetings and who continue to do so, and we would like to encourage our members to do the same in order to help welcome as many students as possible to these meetings. These meetings present a fantastic learning and networking opportunity for the students, as many of them may be new to the industry and this may be their first step in the door towards our industry. Your generosity and assistance is always appreciated! For members that are looking to sponsor additional student meals for future meetings, please use the QR code shown.

We are also starting a fundraising initiative for the newly published "[Lucy's Engineering Adventures](#)" books to be able to donate these books to local elementary schools on behalf of our chapter! We are hoping to put in monthly orders until the end of the ASHRAE year and we're looking for your help. You can find the link by following the QR code shown. The Ottawa Valley Chapter is grateful for your support in this initiative, and we will commemorate all donors at the May Meeting!



Committee Chair
Zach Lanthier
2023-2024 OVC Student Activities Committee
Smith + Andersen

E-mail:
zacharie.lanthier@smithandandersen.com



ASHRAE OVC Career Fair

The 2024 ASHRAE OVC Career Fair is happening very soon! March 21st, 2024 will be the perfect opportunity for soon-to-be graduates to pursue future employment with a wide range of industry leading companies, and for these companies to recruit motivated graduates to join their teams and introduce them to our industry.

Join us from 2:30pm -6:30pm on March 21st at the Fenn Lounge at Carleton University! Students and employers/companies can sign up with this [link](#), and sponsorship opportunities are also available. If you have any questions, please reach out to Zacharie.lanthier@smithandandersen.com.

We look forward to seeing you all there!



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2023-2024 OVC Student Activities Committee
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E-mail:
zacharie.lanthier@smithandandersen.com

Government Affairs

Matthew Moore – Government Affairs Chair 2023-2024

Ghina Annan– Government Affairs Committee 2023-2024



Secretary
Matthew Moore
2023-2024
OVC Secretary
Chorley+Bisset

DOE Better Buildings Webinar on Scope 3 Emissions

The U.S. Department of Energy hosted a webinar on how organizations are accounting for their Scope 3 emissions, which are those emissions associated with the organization's activities but in an indirect way through upstream and downstream sources. This webinar reviews ways organizations are defining and reducing those Scope 3 emissions. You can view the webinar here: [LINK](#)

E-mail: matthew.moore@chorley.com

New Webinar on Doubling the Pace of Energy

The International Energy Agency and the American Council for an Energy-Efficient Economy will be hosting a webinar on Thursday, February 29th, from 11:00am – 12:00pm Eastern Time, focusing on the commitment made at COP28 by nations including the U.S. to increase annual energy efficiency improvements from 2% to 4%. This will include a discussion of recent trends and policy opportunities for achieving this ambitious energy efficiency goal. More information on the webinar can be found here: [LINK](#)

BOMA Holds Public Policy Symposium in Washington, DC

The Building Owners and Managers Association (BOMA) International will hold its annual Public Policy Symposium March 5-6th, 2024, in Washington, DC. BOMA invites you to join them for a one-of-a-kind event focused on the future of energy, from the latest on distribution and storage to planning for microgrids and resilience. They will discuss strategies on how to achieve sustainability goals in an operational environment. You can register for the symposium here: [LINK](#)

Heat Pumps Outsell Gas Furnaces in 2023 by a Growing Margin

In the U.S. last year, heat pumps outsold gas furnaces last year by a 21% margin. Government incentives, including federal tax credits and rebates, coupled with ambitious targets set by both federal and state authorities, further support the transition to heat pumps. However, challenges remain, such as supply-chain constraints, electrical grid readiness, and consumer readiness, emphasizing the need for continued efforts to streamline adoption and educate the public about heat pump systems. ASHRAE's Task Force for Building Decarbonization continues their work on these issues, which will include a "Guide for Applying Heat Pumps," that will soon be available here [LINK](#)

Super Bowl 58 is the First to be Powered 100% by Solar Energy

The Las Vegas Allegiant Stadium's deal with a Nevada solar farm has led to Super Bowl 58 claiming the title as the first ever Super Bowl powered by 100% renewable energy. More than 600,000 solar panels supplied enough power to support 46,000 homes, which was the energy required for the immense cooling, lighting, and mechanical needs of the large stadium. The NFL has instituted league-wide waste reduction programs, and 23% of NFL stadiums are powered by solar energy in some way. You can read a full report about energy usage in the NFL here: [LINK](#)



We are hiring! Positions available for Estimators, Project Managers & Project Coordinators

ABOUT THE COMPANY:

SK Sheet Metal Ltd. is a locally owned and operated mechanical contracting firm incorporated in 1981. We are committed to excellence in delivering construction projects, both new build and retrofit, for all sectors including private, government and institutional. All ductwork for our projects is fabricated in our own facility. We are proud members of MCA Ottawa, SMACNA, ASHRAE and Ottawa Construction Association. All of our field and shop personnel are SMWIA Local 47 members.

We pride ourselves on our values and our success is driven by our talented and dedicated team of professionals who work together to achieve our goals.

These opportunities are based in-office; our facility is a newly renovated innovative office environment in Orleans, Ontario. All positions are based on a 40-hour 5-day work week. We offer extremely competitive salaries, health-care benefits, paid vacations as well as modern computer and cellular telephones.

SK Sheet Metal Ltd. is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

HOW TO APPLY:

If you are a dynamic and proactive individual looking to contribute to our company's success, we'd love to hear from you. Please submit your resume and a cover letter detailing your qualifications and how you can contribute to our team's success. Send your application to career@sksheetmetal.ca



SHEET METAL LTD.

Position: ESTIMATOR
Location: Ottawa, Ontario
Job Type: Full-time
Application Deadline: Open

JOB DESCRIPTION SUMMARY:

The Estimator is to provide the take-offs and estimating as well as provide the guidelines necessary to planning, direction, control, and organization to complete assigned projects within the time and budgets allowed.

RESPONSIBILITIES:

- Secure work for the company.
- Estimate from a set of drawings or sketches from onsite inspection for restorative or add-on work.
- Review manpower and efficiency required to complete the estimated work.
- Develop construction schedules for labour requirements.
- Maintain communications with all parties involved.
- Obtain necessary permits, licenses, certificates, bonds, and insurance policies.
- Perform a site visit to ascertain critical information as needed.
- Provide opportunity for the company to make a profit.
- Conduct an internal post-mortem and job analysis.

EDUCATION:

- Required: College Education CET graduate with Mechanical Trade endorsement or Journeyman's License or equivalent experience in Canadian market.
- Preferred: University bachelor's degree in mechanical engineering.

EXPERIENCE:

- Minimum three (3) years estimating experience in industrial, commercial, or institutional mechanical contracting.



SHEET METAL LTD.

Position: PROJECT MANAGER
Location: Ottawa, Ontario
Job Type: Full-time
Application Deadline: Open

JOB DESCRIPTION SUMMARY:

The Project Manager is to provide the necessary planning, field staff, direction, control, and organization to complete assigned projects within the time and budgets allowed. In addition, the Project Manager is the overall management of assigned project(s) from pre-construction meetings to final acceptance through change orders, completion and payment in a manner designed to meet or exceed established profit margin goals.

RESPONSIBILITIES:

- Secure work for the company.
- Provide opportunity for the company to make a profit.
- Negotiate and purchase project packages.
- Hire and manage subcontractors.
- Obtain, review, submit, approve, and release shop drawings.
- Develop construction resource schedules.
- Labour management schedules.
- Conduct weekly labour analysis in comparison to estimated budget and track.
- Track material and package deliveries.
- Perform site visits for the life of the projects.
- Maintain communications with all parties involved.
- Attend site meetings and coordinate with clients and trades.
- Price and submit change orders.
- Complete and submit monthly progress billings.
- Track all materials, packages, subcontractors, milestones, change orders, site instructions and progress billings.
- Obtain necessary permits, certificates, bonds and insurance policies.
- Complete and submit final close out documents package.
- Track and report project accounting.

EDUCATION:

- Required: College Education CET graduate with Mechanical Trade endorsement or Journeyman's License or equivalent experience in Canadian market.
- Preferred: University bachelor's degree in mechanical engineering.

EXPERIENCE:

- Minimum five (5) years project management experience in industrial, commercial, or institutional mechanical contracting.



SHEET METAL LTD.

Position: PROJECT COORDINATOR
Location: Ottawa, Ontario
Job Type: Full-time
Application Deadline: Open

JOB DESCRIPTION SUMMARY:

The Project Coordinator's responsibility is to co-ordinate the mechanical construction projects, project administrative record keeping between the job site & Project Managers and support Project Managers and all foreman(s) activities in a smooth, timely, accurate, efficient, and cost-effective manner daily. This position is to order and process supplies/materials for each project including the paperwork, scheduling and to assist in all aspects of keeping paperwork moving through the office. You are a key cog in keeping the Project Management personnel up to date on their projects.

RESPONSIBILITIES:

- Submit materials, packages, and subcontractors' requisitions to purchasing agent.
- Obtain, release, and track all materials, packages and subcontractors purchase orders.
- Obtain, review, submit, approve, and release shop drawings.
- Assist purchasing agent when too busy or away with issuance of purchase orders.
- Coordinate, review, and verify invoices (A/P) to be paid with the original purchase order, shipping documents, and packing slips.
- Provide all latter invoices to the project manager for monthly or final billings.
- Review weekly project timesheets to ensure accuracy.
- Provide administrative support to project manager. This includes, but not limited to:
 - Negotiate and purchase project packages.
 - Hire and manage subcontractors.
 - Price, submit and track change orders.
 - Attend site meetings and coordinate with clients and trades.
 - Obtain necessary permits, certificates, bonds, and insurance policies.
 - Complete and submit final close out documents package.
 - Develop construction schedules (i.e., labour and fabrication).
 - Conduct weekly labour analysis in comparison to estimated budget.
 - Track material and package deliveries.
 - Perform site visits for the life of the projects.
 - Complete and submit monthly progress billings.
 - Track and report project accounting.

EDUCATION:

- Required: College Education Technician graduate with Mechanical Trade endorsement.
- Preferred: College Education CET graduate with Mechanical Trade endorsement.

EXPERIENCE:

- Minimum 1 year coordination experience in industrial, commercial, or institutional mechanical contracting.

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**

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 **Jayson Bursill** (jayson.bursill@gmail.com) 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/13057/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 **\$275.00** for the year. Please contact **Jayson Bursill** at jayson.bursill@gmail.com for more details.

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

[Simple Sign Up - Payment](#)

Ads will **now require prepayment**. All 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.



Treasurer
Jayson Bursill
2023-2024
OVC Treasurer
Delta Controls Inc.

E-mail: jayson.bursill@gmail.com



Treasurer
Jayson Bursill
2023-2024
OVC Treasurer
Delta Controls Inc.

E-mail: jayson.bursill@gmail.com

2023-2024

President

Adrienne Mitani

President-Elect

Evans Mutua

Treasurer

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Matthew Moore

Governors

Mike Swayne

Josh Bourbonniere

Trevor Thomson

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GAC

Matthew Moore

Greeter

Mike Swayne

History

Bhavneet Singh

Honors & Awards

Abbey Saunders

Membership

Promotion

Elizabeth Primeau

Nominations

Steve Moons

PAOE

Evans Mutua

Program

David Eckel

Publicity

Connor Patterson

Research

Promotion

Evans Mutua

Special Events

Josh Bourbonniere

Mitchell Geis

Suhib Abushariha

Trevor Thomson

Student Activities

Zacharie Lanthier

Tabletop

Jayson Bursill

Website

Connor Patterson

YEA

Jayson Bursill