Communique apital





DATE: Tuesday October 15th, 2024

17:30 - 21:00 Hrs EST

LOCATION: Hellenic Event Centre

1315 Prince of Wales Dr., Ottawa, ON K2C 1N2

PROGRAM: Operations at Chalk River Laboratories

October's ASHRAE OVC Program meeting will be held at our new recurring venue: the Hellenic Event Centre. Our main speaker will be Orvil Dillenbeck from Canadian Nuclear Laboratories, and he will be delivering his presentation on *Operations at Chalk River Laboratories*.

October Meeting Agenda

5:30PM-6:30PM Social Hour

6:30PM-8:00PM Dinner – approximate timing

8:00PM-9:00PM Main Presentation

Presented by: Orvil Dillenbeck

Below prices for attendance (+ HST)

ASHRAE Associate/Affiliate/Member: \$60.00 ASHRAE Member Guest: \$60.00 ASHRAE Student: \$35.00 Non-Member: \$82.00

Meeting 2 - October 15th, 2024

PROGRAM: Operations at Chalk River Laboratories

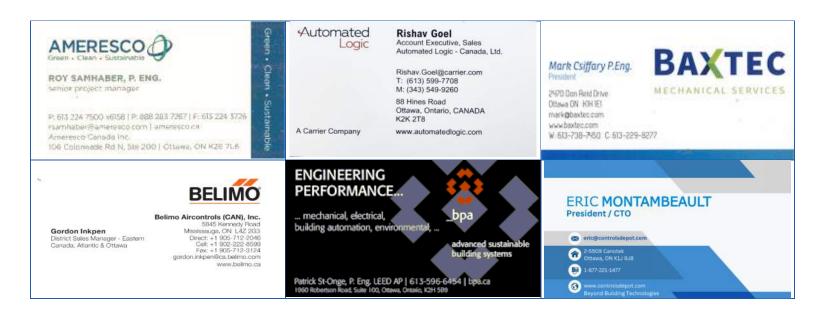
October's ASHRAE OVC Program meeting will be held at our new recurring venue: the Hellenic Event Centre. Our main speaker will be Orvil Dillenbeck from Canadian Nuclear Laboratories, and he will be delivering his presentation on Operations at Chalk River Laboratories.

The birthplace of Canada's nuclear industry in 1944, Chalk River Laboratories has presented a long history of challenges to HVAC engineers. The challenges of protecting workers and the environment from decommissioning legacy nuclear facilities have recently been added to the challenges of: remote location, cold climate, ventilating with once through air, and HEPA filtering the exhaust. This presentation will provide an overview of a few of those challenges along with measures taken to address them.

Speaker: Orvil Dillenbeck

Orvil Dillenbeck is the manager of maintenance and configuration engineering at Chalk River Laboratories, he has over 20 years experience in HVAC design, operations, and maintenance engineering in the mining, commercial/institutional, and nuclear HVAC sectors. He has been a member of ASHRAE technical committee 7.3 - Operations and Cost Management, GPC 32 Management for High Performance Building Operation and Maintenance, the ASME Committee On Nuclear Air And Gas Treatment, and CSA N288.3.4 working group on performance testing of air cleaning systems for nuclear facilities.





President's Message

Hello ASHRAE OVC,

I am delighted to welcome you back to our 2024-2025 ASHRAE year. Many thanks for the great attendance at the opening meeting in September. We exceeded expectations and filled the Nepean Sailing Club venue. This was by far the best attendance at a September meeting since the world events of 2020,



President
Evans Mutua
2024-2025
OVC President
City of Ottawa

E-mail: c015@ashrae.net

which speaks to the enthusiasm of our membership and the dedication of our volunteers. So successful was the publicity that we reluctantly had to limit attendance upon reaching the venue's capacity. If you missed the September meeting due to this, you will be happy to know that we do not foresee that challenge at our new location – The Hellenic Events Center. Looking forward to seeing you there in October. Please visit our website for registration and more details.

Our new and improved <u>website</u> is a result of a long running effort that has culminated in a modern, easy to use and informative platform. Thanks to the Executive and Board of Governors for dedicating their time extensively to realize this goal. Ultimately, it is a tool for disseminating information and receiving feedback to enable leadership to provide better value to our members. For that reason, your feedback is important, and we encourage you to give it. Beyond that, you will find that the committee pages are up to date, and they list the committee chairs as well as their contact information. This is the easiest way to find a volunteer opportunity.

In addition to our website and newsletter, we are now more active on social media, specifically <u>LinkedIn</u> and \underline{X} , so please feel free to use that to stay informed and to provide feedback.

Looking forward to seeing you in October.

Evans Mutua 2024-2025 ASHRAE OVC President



What You Missed

This year started out with the news that we have lost the venue used for years. Centurion Conference and Event Center have closed their doors. The Centurion has been very kind and generous to ASHRAE and will be missed.

The first program meeting of the 2024-2025 year was held at the Nepean Sailing Club on September 17th, 2024, and was a sold-out presentation. There were 55 members, 10 guests, and 5 students who came to see Douglas Zentz's **E-mail**: c015sec@ashrae.net presentation on Back to Physics for the Future of HVAC. Dinner was a buffet



Secretary **Trevor Thomson** 2024-2025 **OVC Secretary Total HVAC** Inc.

style with chicken, salmon, pasta, rice, vegetables, and salad options, followed by dessert which was a cheesecake or chocolate cake option.

New President Evans Mutua called the meeting to order and acknowledged the Algonquin Nation and our industry's connection to the unceded land. This was followed by the introduction of the new Executive and Board of Governors and the presentation of the Past Presidential pin to last years President Adrianne Mitani. A quick recap of the CRC in Toronto was discussed. Elikem Wotortsi then welcomed all new members. SA Chair Brodie Hobson introduced and welcomed new student members (29 student members). President Evans Mutua announces softball game to be held on October 4th, 2024. RP Chair Jayson Bursill thanks everyone for their donations from companies to individuals. CTTC David Eckel promoted the Tech Awards as the deadline to submit is much earlier this year (February 25th, 2025).

Jayson and Doug presented the nights raffle for Research Promotion. The prize for the night was a pair of Ottawa Senators tickets donated by Total HVAC. This prompted the President Evans Mutua to introduce the program topic for the evening, Back to Physics for the Future of HVAC presented by Douglas Zentz.

Douglas began by mentioning that this was a brand-new presentation and that the views and opinions expressed were his and not ASHRAE's. He discussed the future challenges of getting UP TO code and to realize that the code is a minimum standard, not the best. He talked about OCP and IEQ and the struggle to meet ASHRAE Standard 55 due to various reasons including cost, culture, the "COVID hangover with younger generations", and energy footprint. The resilience and how long these buildings last, effect people for decades and how they have to live with the decisions made now. Next was the Future HVAC Needs. Doug talked about forms of heat transfer and which ones to embrace, our past and how building design changes lead to HVAC design changes, as well as the ever-changing world of airborne diseases and how we learn about them and deal with them.

To close, President Evans Mutua thanked Doug and presented him with a gift. The next meeting is scheduled for October 15th, 2024, at the Hellenic Event Centre.





Andrew Allen Brown, P.Eng Commercial & Industrial Sales Eng aabrown@master.ca

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News Update

Certified **Decarbonization** ASHRAE Announces First Group of **Professionals**

ASHRAE is proud to announce its inaugural cohort of Certified Decarbonization Professionals (CDPs), marking a significant step forward in the global effort to reduce carbon emissions in the built environment.



Committee Chair Elikem Wotortsi 2024-2025 OVC CTTC Stantec

E-mail: c015cttc@ashrae.net

The Certified Decarbonization Professional (CDP) program, initiated and funded by the ASHRAE Center of Excellence for Building Decarbonization, is an international certification that validates the competency of decarbonization professionals to assess, analyze, and develop effective and sustainable strategies to reduce or eliminate the lifecycle carbon footprint of buildings. This certification, developed in a record 11 months, enables industry professionals to demonstrate to peers, employers and building owners competency in critical building decarbonization job tasks.

Since the program's launch earlier this year, the CDP has been the most applied-for ASHRAE certification, highlighting its importance and relevance in today's building and energy sectors.

Find out more here.

ASHRAE Tech 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 E-mail: c015cttc@ashrae.net Performance is proven through one year's actual, verifiable operating data.



Committee Chair Elikem Wotortsi 2024-2025 OVC CTTC Stantec

The deadline for applying at the Chapter level is FEBRUARY 25th, 2025.

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



October 2024 Capital Communiqué

ASHRAE Softball Event Recap

OVC hosted our first ever softball game on Friday October 4th. We had 15 volunteers and members come out, some to learn to play, some to play for the first time in a long time, and a few who knew what they were doing. There were some memorable moments, a few out of the park hits and tons of teamwork.



Committee Chair Elizabeth Primeau 2024-2025 OVC History Committee Total HVAC Inc.

E-mail: elizabeth.primeau@totalhvac.com

Thank you to Total HVAC for sponsoring this event. The teams looked great in their pinnies and loved sharing apps after the game!

We might just have to make this an annual event... more to come!



ASHRAE Golf Event Recap

Thank you to everyone who participated in the annual ASHRAE Stroke Play Golf Tournament on Friday, September 13th at Metcalfe Golf Club. We couldn't have asked for better weather, as it was a warm and sunny day.

While there was some strong competition, Steve MacMillan was crowned the 2024 champion shooting a round of 85, edging off two others with rounds of 86. A shoutout to **E-mail:** our sponsors, GPA, Metcalfe Golf Club, Total HVAC, and Trane, and a big thanks to all our josh.bourbonniere@trane.com participants!



Governor Josh **Bourbonniere** 2024-2025 ASHRAE Golf Event TRANE

See you all next year.



ASHRAE Curling Bonspiel

The ASHRAE Annual Curling Bonspiel is returning in 2025! It will be held once again at the Nepean Sportsplex on Friday, January 31st, 2025.

We are looking for up to 20 teams (4 players per team). The price per team is 500\$.

There will be practice ice available between 11:00AM-11:45AM with the first rock of the Bonspiel being thrown at 12:00PM.



Committee Chair Mitchell Geis 2024-2025 OVC Curling Event Condair Ltd.

E-mail: Mitchell.geis @Condair.com

Lunch options will be made available on site and will be defined at a later date. Dinner will follow at approximately 6:00 pm at the Richmond Room on Site. There will be a raffle draw and other funding activities, so please bring cash to participate!

Raffle tickets are 1 for 5\$ and 3 for 10\$. If you have any prizes that you'd like to donate, please reach out directly to Mitchell.

Alternatively, you can attend the dinner only for 90\$. For food allergies, dietary restrictions, 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 once again next year!

ASHRAE Bowling Event

Hello OVC!

We would like to welcome you to participate in the 2024 ASHRAE Bowling Social, to be held on Wednesday, November 13^{th} , 2024 at West Park Lanes. There is free street parking in Westboro, or there is a pay lot next door with a nightly flat fee of \$5.



Governor
Marlee
Spiegelberg
2024-2025 OVC
Bowling Event
Condair Ltd.

E-mail: c015cc@ashrae.net

The format will be three games with 4 people per lane. 7:00 pm start. Please show up at 6:45 to register. The entry fee is \$250 per foursome, or \$75 per individual. The entry fee includes 3 games, shoe rental and plenty of finger foods! Individual participants will be assigned into groups of four. The registration deadline is **Friday, November 1**st, **2024**. Registration link here.

m Date: Wednesday, November 13th, 2024

◯ Time: 6:45PM - 9:00PMP Location: West Park Lanes

📳 Address: 1205 Wellington St. W, Ottawa, ON K1Y 2Z8

This is intended to be a social event to promote the camaraderie and fellowship of ASHRAE, please consider attending. Numbers need to be finalized by **November 1**st, so please register early. Registration can be done via the link below. Registrations will be confirmed via email receipt. If you have any questions, or need more information, please don't hesitate to contact me.

Payment can be made during registration.

Marlee Spiegelberg, P.Eng.

<u>Marlee.Spiegelberg@condair.com</u>
613-714-6582

Research Promotion

I'd like to thank everyone for attending the September meeting at The Nepean Sailing Club. The event was well attended and we managed to raise \$600 towards ASHRAE Resource Promotion. Thank you to Total HVAC for donating the raffle prize: tickets to an Ottawa Senators game. Congratulations to our lucky winner for the night, Brian Fountain!





President-Elect
Jayson Bursill
2024-2025 OVC
Research Promotion
Committee
Delta Controls Inc.

GOAL: \$34,300

E-mail: c015rp@ashrae.net

Thanks to the following donors for contributing to the raffle prizes: GPA, Metcalfe Golf Club, Total HVAC, and Trane. Thanks to PCL and Trane for sending teams to the event.

You can donate through any of the links below as we are exploring different ways of acknowledging our donors in upcoming meetings – don't miss out!

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 check, payable to ASHRAE Ottawa Valley Chapter to this address or contact me to pick it up from you:

P.O. Box 21088 1166 Bank St Ottawa, ON K1S 3X7

Do not hesitate to contact me with any questions:

Jayson Bursill (<u>c015rp@ashrae.net</u>)
ASHRAE OVC Research Promotion Chair 2024-2025

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/14226/index.php?m=eventSummary

ASHRAE Partner \$5,000 - \$9,999	ASHRAE Associate \$2,500 - \$ 4,999	Major Donor Silver \$1,000 - \$2,499
		ProEng Consulting Inc.
Major Donor Bronze \$500 - \$999	Major Donor Antique \$250 - \$499	Honor Roll Individuals \$100 - \$249
Joel Primeau Total HVAC Inc.	Lan Chi Nguyen Weekes	Jayson Bursill Josh Bourbonniere Michael Swayne
Special Thanks to the following donors for their contribution: David Fanset		

Student Activities

The Student Activities Committee is pleased to welcome the new Student Members who have joined since the last communique. It has been a busy month at the Ottawa Valley Chapter for student activities!



Committee Chair Brodie Hobson 2024-2025 OVC Student Activities Committee Carleton University

Students In Action

The Student Activities Committee would like to extend a warm welcome to **E-mail:** c015sa@ashrae.net the newly reactivated uOttawa ASHRAE Student Branch. We would like to thank <u>Dr. Miroslava Kavgic</u> for volunteering to be a Student Branch Advisor and welcome the new Student Branch Officers, namely **Sajad Salehi** (President), **Melika Akhavan** (Vice-President), and **Felix Li** (Treasurer/Secretary). We look forward to working with them to increase our recruitment of and engagement with Student Members at uOttawa.

The Carleton ASHRAE Student Branch hosted Doug Zentz on Tuesday, September 17th, 2024, for their first Branch activity of the Fall semester. A special thanks to our speaker, as well as Carleton's Student Branch Advisor **Dr. Jayson Bursill** and Branch President **Andre Markus** for organizing this stimulating talk for your Student Members.

Student Members from Carleton University are going to the polls! The Carleton ASHRAE Student Branch is holding its first-ever election for



Student Branch Officers which will conclude mid-October. The Student Activities Committee wishes the best of luck to all candidates and looks forward to working with the Branch to continue providing value to its Student Members moving forward.

Scholarships & Fundraising

The Student Activities Committee wishes to remind Student Members that several Society- and Chapter-level scholarships and grants are available from ASHRAE. Eligible applicants are encouraged to <u>apply</u> before the **December 1**st, **2024** deadline.

Undergraduate Program Equipment Grants provide funding for equipment and supplies for undergraduate projects and post-secondary technical school projects that focus on ASHRAE-related topics. The deadline to <u>apply</u> for these grants is **December 15**th, **2024**.

A huge thank you to members who have or continue to sponsor <u>student attendance</u> at Chapter meetings. We encourage Members with the means to do so to do the same in order to help welcome as many Student Members as possible to our meetings. These meetings present a fantastic learning and networking opportunity for Student Members who are new to – and the future of – our industry. Your generous support is greatly appreciated.

We are continuing our fundraising initiative to purchase copies of "<u>Lucy's Engineering Adventure</u>" to donate to local schools and libraries on behalf of the Chapter. We are grateful for any an all <u>support</u> for this effort.

Recruitment

Finally, if you or anyone you know is interested in becoming a Student Member of ASHRAE, please sign-up through the <u>ASHRAE website</u> or reach out to the Student Activities Chair. Student Members receive discounts on membership fees, conference and event registration, have access to student-oriented program at the Society, Chapter, and Branch levels, and can take advantage of the <u>SmartStart</u> program for reduced membership fees after graduation.

Government Affairs

The Government Affairs committee's goal is to educate local, provincial, and national governments about ASHRAE and the expertise of our industry and ASHRAE as a whole. We are not lobbyists, but are trying to position ASHRAE as a noncommercialized industry experts. We had fantastic discussions at the Chapter Regional Conference (CRC) and are committed to a number of upcoming topics.



Committee Chair Ghina Annan 2024-2025 OVC GAC Stantec

E-mail: c015gac@ashrae.net

Check out more information here:

- ASHRAE has a regular Government Affairs Newsletter, which can be accessed here: ASHRAE Government Affairs Newsletter
- The City of Ottawa has introduced a climate change newsletter. Those interested can subscribe here: Subscribe
- As an organization, ASHRAE has been called upon to make statements on a variety of topics related to the built environment.
 If you wish to review these statements, ASHRAE's have provided a resource to easily access this information: <u>Link</u>
- To provide input or contribute to any of these efforts, please email <u>decarb@ashrae.org</u>

Are you interested in getting involved with Government Affairs committee? Contact us to learn more!





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:



\$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 online system and contact (info@ashrae.ottawa.on.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: LINK

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 Matthew Moore at info@ashrae.ottawa.on.ca 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 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.



Moore 2024-2025 **OVC Treasurer** Chorley +Bisset

E-mail: info@ashrae.ottawa.on.ca



Treasurer Matthew Moore 2024-2025 **OVC** Treasurer Chorley+Bisset

2024-2025 **President Evans Mutua President-Elect** Jayson Bursill **Treasurer** Matthew Moore **Secretary** Trevor Thomson Governors Mike Swavne Josh Bourbonniere Marlee Spiegelberg Philip Mayfield Gino Theriault **Past President** Adrianne Mitani Committees **Attendance** Matthew Moore **Audit** Adrianne Mitani Communiqué Pat Melville CTTC Elikem Wotortsi **DEI** Marlee Spiegelberg **Financial** Amanda Cuirrier **GAC** Ghina Annan Greeter Mike Swayne **History** Elizabeth Primeau **Honors & Awards** Abbey Saunders Membership Promotion Bhavneet Singh **Nominations** Steve Moons **Program** David Eckel **Publicity** Marlee Spiegelberg Research **Promotion** Jayson Bursill **Special Events** Josh Bourbonniere Adam Graham Mitchell Geis Marlee Spiegelberg **Student Activities** Brodie Hobson **Tabletop** Gil Joma Website Marlee Spiegelberg Sarah Brown