



**DATE:** Tuesday November 16, 2021

16:30 - 19:30 Hrs EST

**LOCATION:** Centurion Conference and Convention Center

PROGRAM: An Introduction to Thermal Comfort: The Human Factors of Sensation,

**Perceptions and Responses** 

### **DESCRIPTION:**

Next to sound, thermal discomfort is the second leading indicator of poor indoor environmental quality. In part this is due to industry using air temperature as the exclusive proxy for comfort and 72F (22C) as the metric for compliance. Participation in this course will equip members with a complete understanding of how people actually sense their thermal environments, the subjectivity of perceptions and the negative consequences of resulting responses. This is the course architectural, engineering, interior design, builder and trade school curriculums and manufacturers should teach - but don't.

SPEAKER: Robert Bean, R.E.T., P.L. (Eng.)

Robert Bean is director of www.healthyheating.com, and founder of Indoor Climate Consultants Inc. He is a retired engineering technology professional (ASET and APEGA) who specialized in the design of indoor environments and high-performance building systems. Bean is a third term ASHRAE Distinguished Lecturer, recipient of the Lou Flagg Award, Distinguished Service Award and instructor for the ASHRAE Learning Institute. He has authored many papers, articles and course curriculums and serves on numerous technical committees related to indoor environmental quality, building and energy systems. His motto is, "Design for people, good buildings follow."

### **November Tech Session**

Topic Writing Better Sequences of Operations

Speaker Joel Primeau
Time 4:30PM-5:30PM

Social Hour/Dinner from 5:30-6:30PM

**November Program Meeting** 

Topic An Introduction to Thermal Comfort Speaker Robert Bean, R.E.T., P.L. (Eng.)

Theme Research Promotion

Time 6:30PM

### Please register online at link below (below prices for VIRTUAL attendance only)

ASHRAE Associate/Affiliate/Member: \$5 Non-Member: \$10.00 ASHRAE Student: \$0 Non-Member Student: \$10.00

https://ashraeottawa.simplesignup.ca/en/10316/index.php?m=eventSummary

http://www.ashrae.ottawa.on.ca e-mail: contact@ashrae.ottawa.on.ca

**TECH SESSION:** Writing Better Sequences of Operation

**DATE:** Tuesday November 16, 2021

16:30 - 17:30 Hrs EST

**LOCATION:** Centurion Conference and Convention Center

SPEAKER: Joël Primeau, P.Eng., ing., LEED AP, HBDP

**Chief Mechanical Engineer for J.L. Richards &** 

**Associates Limited** 



Governor
Joël Primeau
2021-2022
OVC Research
Promotion Committee
J.L. Richards &
Associates

E-mail: jprimeau@jlrichards.ca

### **Description:**

Communicating the intent of a design is a crucial component to the work of the HVAC engineer and designer. Too often we see excellent plans and specifications that outline perfectly what needs to be installed and how to install it, but the desired sequences of operations are unclear, insufficient or missing. This tech session will present a few simple tips to help HVAC engineers and designers in writing better sequences of operations. If you are a contractor, a consultant, a controls or equipment vendor or an owner, you'll want to attend this tech session to learn how to make your project more successful simply by improving the quality of the sequences of operations.

# **President's Message**

Thank you to everyone who joined us for our very first in person meeting since February 2020! Our CTTC team did a fantastic job getting the venue and technology ready to bring us the hybrid meeting model, and we will be fine tuning it as we get more practice in the next few months. It was fantastic to see people in person, and an interesting presentation about the new Ādisōke public library project, and a great technical presentation on heat pumps by Joel Primeau. Remember to arrive early, or login online to meetings to learn about terrific technical topics and more networking time to catch up with people in person.



President
Adriane Mitani
2021-2022
OVC President
Smith + Andersen

E-mail: adrianne.mitani@smithandandersen.com

The November meeting is scheduled for the 16th, once again in the hybrid format, on Zoom and at Centurion for in person. Similarly, to the first meeting, proof of vaccination is required for in person as per the Ontario requirements, and we are looking forward to being able to hold more events as we go forward!

Our theme for November is ASHRAE Research Promotion, the committee which is chaired by Joel Primeau. Research Promotion is an important part of ASHRAE and allows research to be done in areas to support the standards and handbooks that ASHRAE puts out. For every dollar to ASHRAE Research, four dollars is invested in research projects within Canada, so it is a worthwhile investment in the future of our industry. Thank you to everyone who has continued to donate through the last year or so, and remember to bring your cash or credit card for the monthly raffle at the in-person meetings! If you have any questions, feel free to reach out to myself or Joel for more information.

Thanks, and I look forward to seeing you all soon, either virtually or in person!







### What You Missed

The second meeting of 2022 was also the first hybrid meeting, with some turning up for the in-person meeting while others watched it virtually through Zoom and YouTube.

The tech session was presented by Joel Primeau, Chief Mechanical Engineer at JL Richards. The topic of the talk was Heat Pumps and after going over the basics of the refrigeration cycle, Mr. Primeau went into the various types of heat pumps, based on the heat source and the heat sink, primarily water and air. He also explained the benefits as well as the current limitations of heat pumps and products that compete in the same application as heat pumps, such as Variable Refrigerant Flow (VRF).



Secretary
Evans Mutua
2021-2022
OVC
City of Ottawa

E-mail: Evans.Mutua@ottawa.ca

The program meeting was started off by 2021-2022 President Adrianne Mitani who welcomed members attending in person and those watching virtually. The theme for the evening was Students. After introductions and announcements, Mr. Ralph Wiesbrock, architect and partner at KWC architects in Ottawa, started the program meeting, which was a presentation of Adisoke, an Ottawa Public Library and Archives Canada Joint Facility. He then invited Mr. Mladen Nikolic, and Associate Mechanical Lead in Arup's Toronto office to introduce himself.

The presentation touched on the background of the project, the design process as well as a virtual floor-byfloor virtual tour. Later the challenges encountered so far were outlines and the audience was given an in-depth tour of the sustainability aspects that were designed into the MEP design.

The talk went into quite a lot of detail and the rendered images of the facility reveal a magnificent addition to the Ottawa skyline.

The videos of both events are available on ASHRAE Ottawa-Valley Chapter YouTube channel. We encourage you to view them.



# **Membership Update**

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

- Don Peever
- Mark Korodetz
- Angel Medina
- Ryan Evans
- Cynthia Cruickshank



Chair Josh Bourbonniere 2021-2022 **OVC Membership** Committee Chair **TRANE** 

E-mail: josh.bourbonniere@trane.com

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 November. Also, keep an eye out for our Ottawa 67s event on November 9th - should be a fun night!

# Ottawa 67's YEA Event

Hello OVC!

hope to see you out!

After a long time without live entertainment, OVC members will have the opportunity to attend the Ottawa 67's game on November 9th. We would first like to thank Trane Ottawa for sponsoring our event.

We will be purchasing a group of tickets for the game against the Kingston E-mail: jeremy.strong@jci.com Frontenacs. All tickets include a voucher for a free beverage (beer or pop).

Tickets will be purchased November 2nd, so the deadline for registration is Monday, November 1st. Please keep an eye out for an invite link to register. If there are any questions, please let me know. Thanks, and

Link: <a href="https://ashraeottawa.simplesignup.ca/en/1">https://ashraeottawa.simplesignup.ca/en/1</a>0067/index.php?m=eventSummarv



**Committee** Chair Jeremy Strong 2021-2022 **OVC YEA Chair** Johnson **Controls** 



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Sylvain Chenier, P. Eng., ing. Associate Partner – Mechanical Sylvain.Chenier@mckeeottawa.ca

**M**CKEE

1785 Woodward Drive Ottawa, ON K2C 0P9 CANADA Tel.: (613) 723-9585 x128 Fax.: (613) 723-9584

# **News Update**

### **Check out ASHRAE's Task Force for Building Decarbonization:**

ASHRAE's Task Force for Building Decarbonization (TFBD) was formed in Spring 2021 as an initiative of President Chuck Gulledge and President-Elect Mick Schwedler. Jurisdictions globally are confronting climate change and recognizing that building decarbonization is an important component in their efforts.



Chair Elizabeth Primeau 2021-2022 **OVC Membership** Committee Chair Total HVAC Inc.

E-mail: elizabethp@totalhvac.com

The worldwide building sector accounts for about 40% of energy-related carbon emissions and buildings remain a major sector that lacks sufficient mitigation policies. As the standards authority for energy usage in buildings, ASHRAE recognizes that our long-standing initiatives in energy efficiency should be expanded to building decarbonization.

Through its Working Groups with over 100 volunteers from around the world, the TFBD is:

- Determining and engaging with other organizations with pertinent skills, knowledge and expertise
- Providing information to policy makers on how they might achieve the goals they have established
- Providing recommendations and best practices for industry stakeholders by:
  - Identifying existing portfolio of technical resources
  - Packaging these technical resources in a useful way
  - o Providing tools for energy efficiency, embodied carbon, and reducing operational carbon
  - Identifying knowledge gaps and developing resources to address those gaps

Find out more here: https://www.ashrae.org/about/ashrae-task-force-for-building-decarbonization

## **Research Promotion**

With the return of in-person monthly meetings, we are resuming our fundraising draws for Research Promotion. If you are interested in donating prizes (Sens or RedBlacks tickets are always a nice touch), please reach out to me and we will sell tickets, raise money for RP AND mention your company and/or you personally many times during our meeting and on our various social media platforms to thank you for your gift.



E-mail: jprimeau@jlrichards.ca

Governor Joël Primeau 2021-2022 **OVC** Research **Promotion Committee** J.L. Richards & **Associates** 

Also, don't forget to keep donating to RP as you renew your membership; it's still the easiest and best way to donate!

Thanks for helping; you're making a difference!

Joel Primeau ASHRAE RP Chair jprimeau@jlrichards.ca (613) 979-5635

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

ASHRAE OVC link: https://ashraeottawa.simplesignup.ca/en/9710/index.php?m=eventSummary

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



# ASHRAE Stroke Play Tournament Wrap-Up

The Annual ASHRAE Stroke Play Event was played a few weeks ago and we had a beautiful day. This year there were 27 people who participated making this one of the best turn outs for this event in years. We would like to thank Metcalfe Golf Course for being such great hosts again, as well as providing a couple of the prizes that were donated.



Governor
Joe Della Valle
2021-2022
OVC
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of O'Dell
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E-mail: jdellavalle @odellassoc.com

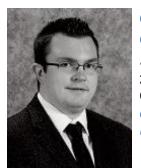
The raffle raised \$500 for research and promotion and a special thanks to the companies that donated the prizes that were used for the raffle. This year's Champion of the Stoke Play Event is Marc Parent with the winning score of 77. We would like to thank everyone that participated and hope to get even more people out to this fun event next year.

# **CRC Update**

Your CRC co-chairs Don Weekes and Jayson Bursill are happy to announce that planning for the Region II 2022 CRC in Ottawa from Friday August 26th to Sunday August 28th is well underway. The team is in the process of finalizing the venue selection and we need volunteers to help continue the process.

Notable openings where we could use volunteers are:

- Secretary
- Webmaster
- Transportation
- Publicity



Committee
Chair
Jayson Bursill
2021-2022
OVC CRC Co-Chair
Carleton
University

E-mail: jaysonbursill@cmail.carleton.ca

If you want to get more involved at both the chapter and regional level being a part of the CRC committee is a great opportunity. The list above is not exhaustive, and we are open to anyone that is willing to get involved. If you are interested, please reach out to Jayson Bursill at <u>Jayson.bursill@gmail.com</u>.



# **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.



Treasurer
Celine Baribeau
2021-2022
OVC Treasurer
BPA

E-mail: cbaribeau@bpa.ca

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 **Celine Baribeau** (<u>cbaribeau@bpa.ca</u>) 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.

https://ashraeottawa.simplesignup.ca/en/9709/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 **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/9711/index.php?m=eventSummary

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.



Publicity
Rod Lancefield
2020-2021
OVC Publicity
Committee Co-Chair
HTS Engineering
Ltd.

E-mail: rod.lancefield@hts.com

2020-2021 **President** Adrianne Mitani **President-Elect** Ryan Dickinson Treasurer Celine Baribeau Secretary **Evans Mutua** Governors Joe Della Valle Mike Swayne Joel Primeau Matt Moore Trevor Thomson **Past President** Joël Primeau Committees **Attendance** Sandy Taylor Audit Aaron Dobson Capital Communiqué Pat Melville **CRC** Jayson Bursill **Donald Weekes CTTC** Elizabeth Primeau GAC Ryan Dickinson **Financial** Sandy Taylor Greeter Mike Swayne **History** Zachary Lanthier Membership Promotion Josh Bourbonniere Nominations & **Awards** Steve Moons Abbey Saunders PAOE Ryan Dickinson **Program** Elizabeth Primeau **Publicity** Samir Elchamaa Research **Promotion** Joël Primeau Special Events Colleen Fox Rod Lancefield Abbey Saunders Trevor Thomson **Student Activities** Noah Goddard **Tabletop** David Michelin YEA Jeremy Strong Website Samir Elchamaa

7



### Warehouse Operations and Sales

Full-time Regular Ottawa, ON, CA

**E.H. Price,** a division of **Price Industries Limited.** North America's leading manufacture and distribution of air distribution products (<a href="www.priceindustries.com">www.priceindustries.com</a>) is a dynamic, progressive and innovative organization looking for new talent in our growing Ottawa office. If you thrive on new challenges, pushing yourself to new heights and working in a team-driven environment, you should consider the following opportunity.

#### What We Offer:

Health and Dental - Employees and their families enjoy flexible benefits options covering an extensive list of medical and dental expenses and services.

Life and Disability - You will be provided with life insurance in a multiple of your salary with an option to purchase additional coverage.

Employee and Family Assistance Program (EFAP) - You and your family will have free access to consultation and support for your mental, emotional and financial well-being.

Pension Matching Program - Invest in your future with each pay cheque through our Defined Contribution Pension Plan and we will match your contribution (up to 3% of your salary).

EQ Care® - You and your family will have free access to speak with a doctor by phone or app from wherever you.

Gym Subsidy Program- Employees are eligible for a gym membership reimbursement of up to \$240 per year, this includes Fitness related App's.

### **Warehouse Operations and Sales**

### The successful candidate's responsibilities will include:

Receiving shipments from a variety of vendors.

Work independently to pick, pack and ship orders.

Support customer phone and email requests for products and services.

Monitor stock levels of product and place orders for stock and specialty items.

Timely and accurate storage of inventory.

Timely, accurate order picking of products.

Timely, accurate packaging of product for shipping.

Physically lifting 10 – 60lbs continuously throughout shift.

Keeping the Warehouse clean and tidy at all times.

Be familiar with use of Microsoft programs and computer savvy.

Able to work on your own with direction.

Motivated individual and cooperative team player.

Good oral and written communications.

Must be service oriented.

### The ideal candidate for this position will have:

High school diploma or equivalent.

Desire to work in a fast-paced, organized and positive warehouse environment.

Ability to frequently lift, push, and slide packages that typically weigh up to 60 lbs, and may weigh up to 70 lbs.

Ability to work full-time, 37.5 hours per week. 7:00 AM – 3:30 PM with 1 hour lunch.

Attention to detail and good time management skills.

Have forklift or reach truck certification, would be an asset.

Have steel toe footwear.

**Note:** There is access to public transit blocks away Applicants must be available to work 7:00 AM – 3:30 PM Monday – Friday no weekend or overtime.

Should this excellent opportunity interest you, please submit your resume, including salary expectations.

Price Industries Limited hires on the basis of merit and is strongly committed to equity and diversity. We welcome applications from all qualified candidates, including all genders, Indigenous peoples, persons with disabilities, members of visible minorities, individuals of diverse gender and sexual orientation and all groups protected by the Human Rights Code. We are happy to provide reasonable accommodations throughout the selection process and while working at Price. If you require support applying online because you are a person with a disability, please contact us at <a href="https://example.com">HR@priceindustries.com</a>.

We appreciate the interest shown by all applicants, however only those being considered for an interview will be contacted.