



**DATE:** Tuesday May 18, 2021  
1600 - 1800 Hrs EST

**LOCATION:** Zoom Webinar

**PROGRAM:** Humidity Control Done Right

**DESCRIPTION:**

It is well known that proper indoor environmental quality supports the health and well-being of occupants. Often overlooked however is the control of humidity to avoid issues with dryness. Recent research shows a much stronger relationship between indoor air hydration and the health of occupants than was previously thought. Learn about the link between humidity and health, the causes of seasonal dryness, as well as best practices for mitigating dry indoor environments. The primary focus is commercial buildings, however, we will also briefly discuss how these concepts apply to residences and industrial applications as well.

**SPEAKER:** Nicholas Lea, Manager, Technical Product Management, Condaire

Nicholas Lea is a Head of Technical Product Management for North America at the Condaire and is based in Ottawa, Ontario. He is a graduate of Carleton University and holds a Bachelor of Engineering degree in Mechanical Engineering. As well, he is a licensed Professional Engineer in the province of Ontario and a LEED accredited professional, with a specialization in building design and construction (LEED AP BD+C).

Nick's dedication to the HVAC industry is evident through his participation with ASHRAE TC 5.11 (Humidification), where he was previously Chair, and ASHRAE TC 5.7 (Evaporative Cooling). Additionally, Nick is active within the HVAC Manufacturers Industry Association, AHRI, where he is past Chair of the humidifier section. He is a contributing author for the ASHRAE Method of Test 164.3, the forthcoming 164.4, AHRI Standard 620, and AHRI Standard 640.

**Please register online at the link below**

ASHRAE Associate/Affiliate/Member:	\$0	Non-Member:	\$10.00
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<https://ashraeottawa.simplesignup.ca/en/9077/index.php?m=eventSummary>

**TECH SESSION:** Understanding Compressors Used in the Refrigeration Cycle

**DATE:** Tuesday May 18, 2021  
1500 - 1545 Hrs EST

**LOCATION:** Zoom Webinar

**SPEAKER:** Joël Primeau, P.Eng., ing., LEED AP, HBDP  
Chief Mechanical Engineer for J.L. Richards & Associates Limited



**Governor**  
**Joël Primeau**  
2020-2021  
OVC Research  
Promotion Committee  
**J.L. Richards & Associates**

E-mail: [jprimeau@jlrichards.ca](mailto:jprimeau@jlrichards.ca)

**DESCRIPTION:** Cooling is a very important part of HVAC and understanding how the refrigeration cycle works is important. This presentation will explain the refrigeration cycle, and describe the various types of compressors used in the HVAC industry. The operation of reciprocating, scroll, helical-rotary and centrifugal compressors will be explained, and the various strategies for modulating capacity will be discussed as well.

## President's Message

Greetings, and welcome to May! Hard to believe that we're at the end of our ASHRAE program season, and that my time helping to represent the Ottawa Valley Chapter is drawing to a close.

Over the past 11 plus years I have had the privilege serving the OVC in a myriad of ways. Beginning as Membership Promotions chair, and now exiting as President. I'm incredibly thankful for the Chapter, and for the industry at large. There are a number of gracious and supportive people that have made my time in the Ottawa area a true delight. Far too many to mention....

The Ottawa Valley Chapter is fortunate to have such strong support. The year ahead will no doubt be one of the greatest successes for any Chapter. To say that Adrienne, Ryan, Celine and Evans will go down as one of the greatest executives ever is already an understatement. They have the discipline and will to make so much happen, and we're fortunate for their time and detail.

It is certainly my hope that we will be able to return to our monthly meetings in person, and that all the wonderful events we had become accustomed to will resume as the next program season starts. In the meantime, be grateful for the efforts that have gone into transitioning, augmenting and supporting this group quest for growth in the HVAC/R community. Your Ottawa Chapter did a tremendous job of changing stride and make sure to present an excellent program, as well as technical sessions and opportunities for development.

In the 2021-2022 ASHRAE year, I again implore you to look at ways to volunteer, and to look at the employees and colleagues that you have. There may be some that will be interested in the value of ASHRAE involvement if they're given a nudge in the right direction. This is a worthwhile endeavor. A great way to grow professionally. It is also an opportunity to share some wonderful company. The friends



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

E-mail: [amoons@master.ca](mailto:amoons@master.ca)

that can be made within ASHRAE will last a lifetime.

While we can't have our presidents meeting in person, I would ask that you take a few minutes to look at the OVC website, and review some wonderful champions of ASHRAE that we've had in the past. Beautiful ambassadors of the industry that have given us all so much.

With one last thanks, and all the faith in Adrienne Mitani and her team, I wish the greatest of successes for the Ottawa Valley Chapter.



**ROY SAMHABER, P. ENG.**  
senior project manager

P: 613 224 7500 x6158 | P: 888 283 7267 | F: 613 224 3726  
[rsamhaber@ameresco.com](mailto:rsamhaber@ameresco.com) | [ameresco.ca](http://ameresco.ca)  
Ameresco Canada Inc.  
106 Colonade Rd N, Ste 200 | Ottawa, ON K2E 7L8

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**Mark Csiffary P.Eng.**  
President

2470 Don Reid Drive  
Ottawa ON K1H 1E1  
[mark@baxtec.com](mailto:mark@baxtec.com)  
[www.baxtec.com](http://www.baxtec.com)  
W: 613-738-7450 C: 613-229-8277

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[clark.campbell@ca.belimo.com](mailto:clark.campbell@ca.belimo.com)  
[www.belimo.ca](http://www.belimo.ca)

# What You Missed

The seventh program meeting of the 2020/2021 ASHRAE season was held on April 20th, 2021 via the virtual platform Zoom. The team of the meeting was Research Promotion. The program for the evening was Advances in Technology and the AEC Industry, presented by Thomas Phoenix.

Before the program meeting, a technical session was hosted by Joel Primeau. Last month, during the program meeting the speakers made several excellent points on the need to integrate designs and shown us many great examples of successfully well integrated building projects. The market will continue to demand ever more efficient buildings, towards net zero and zero carbon designs. The HVAC equipment we manufacture are efficient, but the rate of the energy efficiency improvement is decreasing. In other word, if buildings are to continue to be more efficient, then we need to do more with the building itself and not rely solely on the HVAC equipment. We need to come up on new and efficient way to save on energy.

Many examples of integrated design were mentioned, such as integration with lighting, structural, architectural and landscape design.

Joel noted that lighting loads do not have to be part of the cooling load if we design a different ventilation system to distribute the air directly down and not sweeping the heat from the lights in the ceiling. This would require more coordination with the electrical division. Daylight harvesting could

help with HVAC loads if properly coordinated with electrical engineers. Controls can be design so that occupancy sensor providing on/off signals can be shared between both HVAC and lights.

Joel then continued with integral design with the structural team. Building with higher thermal mass will absorbs the load. Therefore, more thermal mass the better to absorb load. Ductwork can be integrated with the structure. Joel noted that it's important to coordinate with structural to fit the ductwork better through the building and structure and also to help lower the slab to slab height to make building lower and thus required less heating and cooling.

Joel noted that coordinating the architectural team is always important to achieve optimal integrated efficient design. Some architectural features may be more expensive, but mechanically we may be able to save on the HVAC side. It's important for HVAC engineers to understand the u-factor of the complete window assembly and that the total U factor is more important than the middle of the window U factor. We need to challenge the architects to provide optimal insulation and fenestration. Important to do the analysis to determine how much insulation will be required.

And lastly, Joel talked about integrating building design with the landscape design. For example, using trees for shading and eliminating irrigations



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

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

system can help create a better efficient building design. Joel then finished by indicating that s successful HVAC engineer will optimize HVAC systems through integrated building design.

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. Then on behalf the Nominations committee Adam, introduced the new Board of Governors and Executives for the next year that will be installed in the May meeting.

Adam indicated that the theme of the meeting is Research Promotion. Adrienne Mitanni read a message on Joel Primeau, new Research Promotion chair. We are currently at 42% of our yearly goal for RP.

President Adam Moons introduced two 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

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**DILFO MECHANICAL**  
Danny Dillon, MBA, GSC  
President & CEO  
E: [Danny.Dillon@DILFO.com](mailto: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](mailto:rossmc@gwal.com)



Primeau. Elizabeth then followed with a few housekeeping items regarding the webinar. The attendees were reminded of the survey which will be emailed after the meeting. CTTC Chair Elizabeth Primeau announced the program topic for the evening, Advances in Technology and the AEC Industry, and introduced the speaker, Thomas Phoenix.

Thomas Phoenix is a Principal with the Architectural/Engineering firm of CPL Architects and Engineers at their office in Greensboro, NC, USA. He has a B.S. degree in engineering from NC State University. He is a Registered Professional Engineer in North Carolina and six other States and has over 30 years of experience in the design, operation, and maintenance of building mechanical systems.

Mr. Phoenix has been an active member of ASHRAE since 1982 and was elevated to the grade of Fellow in 2011. He is an ASHRAE Presidential Member, having served as Society President in 2014-15 and currently serves as Chair of the Advanced Energy Design Guides Steering Committee, and as Co-Chair of the new ASHRAE Task Force for Building Decarbonization. He also currently serves on the National Institute of Building Sciences (NIBS) Board of Directors as their Treasurer.

Thomas Phoenix started his presentation introducing the accelerating growth in the technology curve. Technology changes and advances literally every day; and, just in the last

generation, these advances have completely transformed the way buildings are designed, constructed, and operated.

There are many tools that are continuing to evolve such as BIM, the ASHREA BIM guide, the National BIM standard for the US. These tools are an essential part of what we do. Thomas also describes other technologies, such as drones. They provide an effective mean for roof inspection and construction progress. Thomas asked what else can a drone do? He noted that if you equip the drone with lasers and scanners, it can easily and effectively map the exterior façade of existing buildings. That was a process that used to be very time consuming can now be done in a few hours.

Thomas noted that building modeling is another technology that is evolving. This used to be done my cardboard models. Now three-dimensional digital building modeling can be used to show directly on the screen with options of walking inside the virtual building. These models are known as digital twin. Thomas continued my stating that virtual/augmented realty can make you walk into the building make you feel like you are there.

Now what is the future looking like for our industry? Thomas indicated that covid-19 really brought significant changes the way we live and work. The trend of working from home away from the office will continue

even after the pandemic is over. However, how will productivity be affected by telecommuting? In this past year, there are a lot of evidence that there has been no loss in productivity or even reported that productivity has gone up. Working from home, add time in our day by saving time commuting to work and help decrease pollution. However, there are heavy losses in major airlines and the travel industry that has been significantly impacted negatively.

Thomas noted that working from home also negatively impacted the commercial real estate industry. Demand for office space has gone down. Companies are working on reconfiguring office space.

Other trends that effect our industry, is digitization and reducing the use of paper. Now nothing is printed, and all project data can be stored on small project files. Everything that was once on paper can be stored on the "Cloud".

Thomas noted that another modernization of our industry is off-site construction. Building modular units remotely from construction site is starting to be more common. These modular units can be transported from the manufacturer directly to site.

President Adam Moons thanked speaker Thomas, ended the webinar at 17:15 with closing remarks and reminded attendees of the survey which will be emailed. The next meeting is scheduled for Tuesday, May 18th.

<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</p> <p>hts.com/ontario</p>  	 <p>J.L. Richards ENGINEERS ARCHITECTS PLANNERS</p>  <p>Joël Primeau P.Eng., ing., LEED AP, HBDP Associate Chief Mechanical Engineer</p> <p>jrprimeau@jrichards.ca 343 804 4664 www.jrichards.ca</p> <p>J.L. Richards &amp; Associates Limited 864 Lady Ellen Place Ottawa, ON Canada K1Z 5M2</p>	<p><b>Jp2g Consultants Inc.</b></p> <p>Mark MacIsaac, P.Eng. Mechanical Team Lead</p> <p>1150 Morrison Drive, Suite 410 Ottawa, ON K2H 8S9 Tel.: 613.828.7800 x.213 Cell: 613.697.4721 Email: markm@jp2g.com</p> 
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# Membership Update

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

- Mareena MacPherson
- Mohammed Khai

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 May.



## Membership Promotion

**Josh Bourbonniere**

2020-2021  
OVC Membership Committee Chair  
**TRANE**

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

# Executive & BOG Announcement

It has been a challenging year for everyone, including the Ottawa Valley Chapter of ASHRAE. The leaders of the chapter have done excellent work keeping us running as smoothly as possible through the pandemic, adjusting to unprecedented challenges. We have continued to plan for the next society year, and to that end, Abbey Saunders and I as chairs of the Nominations & Awards Committees, are pleased to announce the close of the chapter nominations process. While we would normally close the nominations and announce the new board of governors and executive at the April meeting, that was not be possible this year. Instead, we are letting you know via this email who has been nominated and has accepted the posts for Governors and Executive for the ASHRAE OVC 2021-22 season. We will install these people virtually at our May meeting.

With that said, it gives me great pleasure to announce the proposed slate for the Chapter Executive and Board of Governors that will provide leadership for the Ottawa Valley Chapter for the upcoming 2021-22 year.

## Committee Chairs

- Attendance, Financial – Sandy Taylor
- Audit – Aaron Dobson
- Capital Communique – Pat Melville
- CRC – Adrienne Mitani
- CTTC – Liz Primeau
- Grassroots & Government Affairs – Ryan Dickinson
- Greeters – Mike Swayne
- Honours & Awards – Abbey Saunders
- History – Zach Lanthier
- Membership Promotion – Josh Bourbonniere
- Nominations – Steve Moons
- PAOE – Ryan Dickinson
- Program – Liz Primeau
- Publicity – Samir Elchamaa
- Research Promotion – Joel Primeau
- Special Events – Curling – Colleen Fox, Golf – HTS, Bowling – Abbey Saunders
- Student Activities – Noah Goddard
- Table Top – TBD
- Website – Samir Elchamaa
- YEA – Jeremy Strong



## Past President Steve Moons

2014-2015  
OVC President  
**Total HVAC**

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

## Executive

- President – Adrienne Mitani
- President-Elect – Ryan Dickinson
- Treasurer – Celine Baribeau
- Secretary – Evans Mutua
- Past-President – Joel Primeau (Acting)

## Board of Governors

- Joe Della Valle – returning
- Mike Swayne – returning
- Trevor Thomson – returning
- Matt Moore
- Jayson Bursill

I want to thank all who have been nominated and who have agreed to take on the responsibility of office. The commitment of time and effort for the Committee Chairs, Governors and Executive is significant, and without these chapter members stepping into these roles, we would not be able to continue to have the strong chapter that we have enjoyed for so long. I am confident the Chapter is in good hands going forward.



Chris Harrison  
President

[chrish@longhill.ca](mailto:chrish@longhill.ca)  
Phone and cell option 613-226-3856 ext. 24  
Fax: 613-226-2715  
124 Ross Rd., Ottawa, Ontario K0A 1L0  
[www.longhill.ca](http://www.longhill.ca)

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F 613-829-3731  
1 866-429-1977

The Master Group  
25H, Northside Road  
Ottawa (Ontario) K2H 8S1

MASTER.CA



Sylvain Chenier, P. Eng., ing.  
Associate Partner – Mechanical  
[Sylvain.Chenier@mckeeottawa.ca](mailto:Sylvain.Chenier@mckeeottawa.ca)

1785 Woodward Drive  
Ottawa, ON K2C 0P9  
CANADA  
Tel.: (613) 723-9585 x128  
Fax.: (613) 723-9584  
[www.mckeeottawa.ca](http://www.mckeeottawa.ca)

# Student Activities

May was another active month for OVC Student Activities. We had the pleasure of evaluating student projects for the Ottawa Regional Science Fair over Zoom and awarded three projects the ASHRAE Special Award of \$200 per student. Summaries of the winning projects can be found at the links below:

<https://projectboard.world/ysc/project/what-is-the-effect-of-temperature-on-magnetic-strength>

<https://projectboard.world/ysc/project/hot-or-cold-using-thermocouples-to-find-out>

<https://projectboard.world/ysc/project/systeme-de-pompage-solaire-a-budget-minimum>

Thanks to everyone that helped with coordination and judging!



## Student Activities

**Jayson Bursill**

2020-2021  
OVC Student  
Activities Chair

**Carleton  
University**

E-mail: [jaysonbursill@cmail.carleton.ca](mailto:jaysonbursill@cmail.carleton.ca)

# 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.

## ASHRAE Standard on Zero Net Energy and Carbon Building Performance Out for Public Review

BSR/ASHRAE Standard 228P, Standard Method for Evaluating Zero Net Energy and Zero Net Carbon Building Performance, has been released for public review. The standard sets requirements for evaluating whether a building or group of buildings meets a definition of "zero net energy" or whether those buildings meet a definition of "zero net carbon." It provides a consistent method of expressing qualifications for zero net energy and zero net carbon buildings associated with the design of new buildings and the operation of existing buildings. The draft can be [found here](#) and comments are due May 17.

## IEA Releases Reports on Electricity Security

On April 12, the International Energy Agency (IEA) released a series of reports on electricity security focusing on Secure Energy Transitions, Cyber Resilience, and Climate Resilience.

You can view the launch of the release with authors presenting on components of the reports [here](#).

## New Coalition Focuses on Developing Technology Zero-Carbon

A coalition of electric utility and environmental organizations launched a new initiative earlier this month aimed at boosting federal research and development efforts for new zero-carbon technology. The Carbon-Free Technology Initiative includes the Edison Electric Institute, the Clean Air Task Force, the Bipartisan Policy Center, the Center for Climate and Energy Solutions, and others. Its goals include advancing nuclear technology, solar and wind energy systems, long-duration energy storage, geothermal energy, carbon capture, and other initiatives that are currently in very early stages of development. More on the Carbon-Free Technology Initiative can be [found here](#).

## ASHRAE and UN Environment Programme Launch Three-Year Workplan

ASHRAE and the United Nations Environment Programme (UNEP) announced the launch of its 2021-23 workplan. The workplan's theme is "Refrigeration Management for Developing Economies" and was signed by Charles E. Gullledge III, P.E., 2020-21 ASHRAE President and James S. Curlin, Acting Head of UNEP OzonAction Programme.



## President-Elect

**Adrienne Mitani**

2020-2021  
OVC GAC Chair

**Smith+Andersen**

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

ASHRAE and UNEP OzonAction renewed their agreement aimed at promoting the adoption of state-of-art technologies and practices in developing countries that avoid the use of ozone depleting substances and promote the deployment of lower global warming potential (Lower-GWP) refrigerants. The two global organizations also offer tools and knowledge to help in eliminating emissions of refrigerants while servicing refrigeration and air conditioning applications.

All ASHRAE-UNEP products and services included in the joint workplans are offered free of charge and are accessible to National Ozone Units (NOUs) and certain refrigeration and air conditioning sector stakeholders in developing countries through ASHRAE and UNEP OzonAction. To read more [about the programme launch](#), and to view the complete work plan, please visit the [ASHRAE UNEP Portal](#).

# News Update

**ATLANTA (April 5, 2021) – ASHRAE Epidemic Task Force released an updated, unequivocal statement on the airborne transmission of SARS-CoV-2 in buildings.**

ASHRAE has released the following statement:

“Airborne transmission of SARS-CoV-2 is significant and should be controlled. Changes to building operations, including the operation of heating, ventilating, and air-conditioning systems, can reduce airborne exposures.”

It replaces the April 2020 statement that said airborne transmission was “sufficiently likely” that airborne precautions should be taken. At that time both, the World Health Organization (WHO) and the Centers for Diseases Control (CDC), contended that transmission of SARS-CoV2 was by droplet and fomite modes, not airborne. Subsequently, both have acknowledged the risk of airborne transmission indoors.

“This may seem like a small step, but we feel it is important to leave no doubt about our position, given the muted support for ventilation and filtration as important tools in the effort to stop the pandemic, from some organizations that should be leading more strongly,” said William P. Bahnfleth, Ph.D., P.E., ASHRAE Epidemic Task Force chair.

The ASHRAE Epidemic Task Force has been developing and disseminating guidance for the control of airborne transmission of SARS-CoV-2 since its formation in March 2020.

“ASHRAE volunteers have played a huge role in evaluating evidence and developing detailed guidance to improve indoor environmental quality,” said Bahnfleth. “The

public, globally, is benefitting from the volunteer efforts of some of the most knowledgeable scientists and engineers in our field and this updated guidance is proof of it.”

To view the complete airborne transmission statement and other COVID-19 resources, visit [ashrae.org/COVID-19](https://ashrae.org/COVID-19). Questions specific to Epidemic Task Force guidance can be emailed to [covid-19@ashrae.org](mailto:covid-19@ashrae.org).

**ATLANTA (April 15, 2021) – ASHRAE and UN Environment Programme Launch Three-Year Workplan**

ASHRAE and the United Nations Environment Programme (UNEP) announced the launch of its 2021-23 workplan. The workplan’s theme is “Refrigeration Management for Developing Economies” and was signed by Charles E. Gullledge III, P.E., 2020-21 ASHRAE President and James S. Curlin, Acting Head of UNEP OzonAction Programme.

In 2007, ASHRAE and UNEP OzonAction, signed an agreement aimed at promoting the adoption of state-of-art technologies and practices in developing countries, that avoid the use of ozone depleting substances and promote the deployment of lower global warming potential (Lower-GWP) refrigerants. The two global organizations also worked to offer tools and knowledge to help in eliminating emissions of refrigerants while servicing refrigeration and air conditioning applications. Both parties renewed their commitment of the continuing strategic partnership through a new umbrella MOU signed in 2019, replacing the original 2007 agreement. This is the fifth joint workplan.

The theme of the workplan recognizes the important role that refrigeration and air conditioning



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

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

play in developing countries both in terms of societal benefits, ranging from protecting the food supply and vaccine storage to cooling for increased comfort and productivity, as well as environmental goals, including compliance with international commitments. The workplan emphasizes the deployment of all ASHRAE-UNEP developed tools and programs, to make them reachable and accessible to different stakeholders in developing countries.

“One of the most important elements of ASHRAE’s work plan with UNEP is our collective ability to contribute meaningful resources to the critically important challenge of shifting to the use of refrigerants with lower global warming potential,” said Gullledge “We are delighted to continue our work with UNEP as we share knowledge and expertise to prioritizing the adoption of energy efficient solutions that lessen the impact of ozone depletion.”

“By offering a suite of state-of-art products and services, UNEP OzonAction and ASHRAE are helping to connect industry and policy-makers in developing countries to enhance environmental performance in the critical refrigeration and air conditioning sector. This partnership helps those countries meet their international commitments and ultimately to realize the Sustainable Development Goals (SDGs),” said Curlin. “The successful ASHRAE-UNEP cooperation model has helped us, UNEP OzonAction, to build similar meaningful partnerships with other organizations and associations.”



All ASHRAE-UNEP products and services included in the joint workplans are offered free of charge and are accessible to National Ozone Units (NOUs) and certain refrigeration and air conditioning sector stakeholders in developing countries through ASHRAE and UNEP OzonAction.

OzonAction strengthens the capacity of governments - particularly the operational focal points known as National Ozone Units - and industry in developing countries to elaborate and enforce the policies required to implement the Protocol and to make informed decisions about alternative technologies.

To view the complete work plan, please visit the [ASHRAE UNEP Portal](https://www.unep.org/ozonaction).

<https://www.unep.org/ozonaction>

## About UN Environment Programme - OzonAction

The United Nations Environment Programme (UNEP) is the leading global environmental authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development.

UNEP is an Implementing Agency of the Multilateral Fund of the Montreal Protocol on Substances that Deplete the Ozone Layer.

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<p><b>David Yin</b> P.Eng., LEED AP Principal, Buildings Senior Mechanical Engineer</p> <p>400-1331 Clyde Avenue Ottawa ON K2C 3G4</p> <p><a href="mailto:david.yin@stantec.com">david.yin@stantec.com</a> Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 	 <p><b>Frank Picchione</b> Regional Sales Manager</p> <p>Tel: 800-561-3449 Cell: 514-781-8381 Fax: 800-668-8478 <a href="mailto:frank@tamcodampers.com">frank@tamcodampers.com</a> <a href="http://www.tamcodampers.com">www.tamcodampers.com</a></p> <p>TAMCO locations in Ottawa, Ontario and Nashville, Tennessee</p>	 <p><b>Steve Moons</b> Principal</p> <p><b>Total HVAC Inc</b> 4A – 1050 Baxter Road Ottawa, Ontario, Canada K2C 3P1 Tel.: 613-723-4611 Fax: 613-723-4677 <a href="mailto:stevem@totalhvac.com">stevem@totalhvac.com</a> Web: <a href="http://www.totalhvac.com">www.totalhvac.com</a></p>
 <p><b>Glenn Jones</b> 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 <a href="mailto:gjones@trane.com">gjones@trane.com</a> <a href="http://www.trane.com">www.trane.com</a></p> 	 <p><a href="http://www.walmarventilation.ca">www.walmarventilation.ca</a></p> <p>24 Gurdwara Road Nepean, Ontario K2E 8B5</p> <p><b>BRIAN EUSTACE</b> Engineer Liaison</p> <p>Tel: (613) 225-9774 x 252 Fax: (613) 225-2972 e-mail: <a href="mailto:brian@walmar.net">brian@walmar.net</a></p> <p>VENTILATION &amp; FILTRATION PRODUCTS</p>	 <p><b>Larry Gravelle</b> Tel: (613) 721-3301 Fax: (613) 721-4906 1 - 877 - 733-3833 <a href="http://www.yorkland.net">www.yorkland.net</a></p> <p>Yorkland Controls represents leading control systems and component manufacturers. Integrated solutions for Lighting, Card Access, CCTV and Building Automation.</p>       



# Research Promotion

2020-2021 was not an easy year to raise funds for Research Promotion, with nearly all in-person social functions, and their fund raising opportunities, gone, we have been struggling to meet our goals.

ASHRAE's need for funds for research has not disappeared. In fact, the need for more research likely increased with the pandemic and its link to ventilation systems. This is YOUR chance to help.

Please visit the chapter's website, click on the RESEARCH PROMOTION at the top of the homepage, then scroll down to a link to society's RP page and you can donate there directly. It will you take less than 10 minutes. It could hardly be easier.

If you have any questions at all about RP in general, how much you have donated in the past, or where the money goes, feel free to speak to Joel Primeau (613-979-5635) or write him at [jprimeau@jlrichards.ca](mailto:jprimeau@jlrichards.ca).



**Governor**  
**Joël Primeau**  
2020-2021  
OVC Research  
Promotion Committee  
**J.L. Richards & Associates**

E-mail: [jprimeau@jlrichards.ca](mailto:jprimeau@jlrichards.ca)

Thank you. Your donation is what fuels our industry's innovations.



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

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>

**Commissioning Oversight Specialist**

<https://tre.tbe.taleo.net/tre01/ats/careers/v2/viewRequisition?org=BGIS&cws=60&rid=13583>

Location: Ottawa, ON

**Who We Are**

BGIS is a leading provider of customized facility management and real estate services. With our combined team of over 6,500 globally, we relentlessly focus on enabling innovation through the services we deliver, while actively looking for new opportunities that will enable innovation for our clients' businesses. Globally, we manage over 320 million square feet of client portfolios across 30,000+ locations in North America, Europe, Middle East, Australia and Asia. Further information is available at [www.bgis.com](http://www.bgis.com)

**SUMMARY**

The Commissioning Oversight Specialist provides technical review and recommendations related to design, specification, construction and turnover of projects to ensure the quality and effective integration into building operations and maintenance. The Commissioning Oversight Specialist works with technical and/or professional staff, consultants and contractors.

**KEY DUTIES & RESPONSIBILITIES****Deliverables**

- Develops, plans and implements commissioning projects within scope, schedule and budget and BGIS/Client procedural boundaries
- Provides concept design and design review input, specifications and drawings review including commissioning specification and development, construction review, contractor and team interface and coordination, systems start-up & testing coordination, operations and maintenance documentation

**Team Support**

- Communicates with Commissioning Oversight Manager, Project Managers, Property Managers, BGIS technical personnel, and other resources to deliver the commissioning scope for a project
- Works as a team to ensure continuous improvement of commissioning service delivery
- Provides ongoing technical operations support and support of building assessments and capital planning
- Supports re-commissioning services to operations team
- Provides effective client/BGIS communication and report writing
- Other duties as assigned

**KNOWLEDGE & SKILLS**

- Must be eligible for an RCMP level Federal Government Clearance
- University degree in related field, engineering preferred
- Seven to ten years in building maintenance operations
- Five to ten years in Building Automatization Control field.
- Good writing and verbal communication skills
- Effective public speaking skills
- Strong analytical and problem solving skills
- Ability to develop, analyze and understand complex processes
- Sound judgment skills based on observation of objective evidence
- Ability to perform with minimum direct supervision
- Bilingualism is an asset

**Licenses and/or Professional Accreditation**

- BCA – Certified Commissioning Professional or equivalent certification
- CET Designation
- Valid Driver's License

At BGIS we believe that diversity and inclusion is a key business driver, such that we never lose sight of its importance as it is woven into the fabric of our organization. We are committed to maintaining a barrier-free recruitment process by providing equal employment opportunities through recruiting and retention of individuals of all backgrounds. We recognize that promoting diversity is an essential component of our continuing pursuit for organizational success!

## Spécialiste de la surveillance de la mise en service

<https://tre.tbe.taleo.net/tre01/ats/careers/v2/viewRequisition?org=BGIS&cws=61&rid=13583>

Emplacement: Ottawa, ON

### À propos de BGIS

BGIS est un chef de file de la prestation de services immobiliers et de services personnalisés de gestion des installations. Grâce à notre équipe combinée de plus de 6 500 personnes à l'échelle mondiale, nous encourageons sans cesse l'innovation par l'intermédiaire des services que nous offrons, tout en cherchant activement de nouvelles occasions qui stimuleront la créativité pour les entreprises de nos clients. Nous gérons des portefeuilles clients comptant plus de 320 millions de pieds carrés de superficie dans plus de 30 000 emplacements en Amérique du Nord, en Europe, au Moyen-Orient, en Australie et en Asie. Vous trouverez des renseignements supplémentaires au [www.bgis.com/fr](http://www.bgis.com/fr)

### SOMMAIRE

Le spécialiste de la surveillance de la mise en service fait des examens et des recommandations techniques qui ont trait à la conception, aux devis, aux travaux et à la remise des ouvrages pour garantir la qualité de ceux-ci et leur prise en main sans anicroche par l'équipe d'exploitation et de maintenance. Le spécialiste de la surveillance de la mise en service travaille avec du personnel professionnel et technique, des experts-conseils ainsi que des entrepreneurs

### PRINCIPALES FONCTIONS ET RESPONSABILITÉS

#### Livrables

- Élaborer et planifier des projets de mise en service, puis les mettre en œuvre en respectant la portée, l'échéancier, le budget ainsi que les procédures du client et de BGIS.
- Fournir des avis aux cours des phases de préconception et de conception, examiner les plans et les devis, élaborer les devis de mise en service, examiner les travaux, assurer la coordination et la liaison avec l'équipe et les entrepreneurs, coordonner la mise en marche et la mise à l'essai des systèmes et fournir la documentation nécessaire pour l'exploitation et la maintenance.

#### Soutien de l'équipe

- Communiquer avec le gestionnaire de la mise en service, les gestionnaires de projet, le personnel technique de BGIS et d'autres ressources pour effectuer la mise en service de l'ouvrage.
- Travailler en équipe pour améliorer continuellement les services de mise en service.
- Fournir un soutien pour les opérations techniques ainsi que les évaluations de l'état des immeubles et la planification des immobilisations.
- Appuyer les services de remise en service fournis à l'équipe d'exploitation.
- Communiquer efficacement avec le client et ses collègues chez BGIS; rédiger des rapports utiles.
- Accomplir d'autres tâches qui lui sont confiées.

### CONNAISSANCES ET COMPÉTENCES

- Diplôme universitaire dans un domaine apparenté, de préférence en génie.
- De sept à dix ans d'expérience dans l'exploitation et la maintenance de bâtiments.
- De cinq à dix ans d'expérience dans le domaine de l'immoitique.
- Capacité de bien communiquer verbalement et par écrit.
- Capacité de parler en public.
- Esprit analytique aiguisé et capacité manifeste de régler des problèmes.
- Capacité d'élaborer, d'analyser et de comprendre des processus complexes.
- Bon jugement s'appuyant sur des éléments de preuve et des renseignements objectifs.
- Capacité d'exécuter son travail avec un minimum de supervision directe.
- La capacité de communiquer dans les deux langues officielles est un atout.

### Autorisations d'exercer et/ou reconnaissance professionnelle

- Titre de professionnel de la mise en service agréé (Certified Commissioning Professional) de la Building Commissioning Association ou titre équivalent.
- Titre de Certified Engineering Technologist (CET).
- Permis de conduire valide.

Chez BGIS, nous croyons en la diversité et l'inclusion comme moteurs commerciaux clés, de sorte que nous ne perdons jamais de vue de son importance car elle est tissée dans le tissu de notre organisation. Nous nous engageons à maintenir un processus de recrutement sans obstacle en offrant des opportunités d'emploi équitables grâce au recrutement et à la sélection d'individus de tous horizons. Nous reconnaissons que la promotion de la diversité est un élément essentiel de notre quête du succès organisationnel!



# Advertising

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

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

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

## Chapter Member:

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

## Non-member:

\$250/month

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

## Placement of an Ad

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

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

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

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



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

## Treasurer

**Ryan Dickinson**

2020-2021

OVC Treasurer

**V&R Engineering**

# 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](mailto:rod.lancefield@hts.com) for more details.

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

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

Ads will **now require prepayment**. All of last year's ads will appear in the 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](mailto:rod.lancefield@hts.com)



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

## Publicity

**Rod Lancefield**

2020-2021

OVC Publicity

Committee Co-Chair

**HTS Engineering**

**Ltd.**

# 2020-2021

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Adam Graham

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