



ASHRAE Ottawa Valley Chapter

President's Message



President
Aaron Dobson
2019-2020
OVC President
Ainsworth

E-mail: aaron.dobson@ainsworth.com

Welcome to the 2019-2020 **Ottawa Valley Chapter ASHRAE** year. I would like to thank all the volunteers on the **Board of Governors (BOG)**, **Executive** and **Committees** for their dedication in making the 2018-2019 chapter year such a success and their continued dedication and contribution for the upcoming year. A special thank you to **Dan Redmond** for his leadership and dedication to the chapter as **Chapter President** for 2018-2019. Thank you **Dan!**

The 2019-2020 **ASHRAE** year will be another exciting year. All the regular activities will continue including the monthly **program meetings**, **seminars**, **student activities**, **YEA events** and **social events**. Our team of volunteers are working hard to ensure the coming year is a success. We are always looking for members to get involved. Volunteering with **ASHRAE** is a way to give back to our community, build **technical skills** and to develop strong **networking skills**. Please contact myself, or any member of the **Executive** or the **BOG** to get involved.

Our Chapter is well on our way working on the programs for the year which will be of interest and value to the membership. Our first meeting in **September** will be held at the **Mill Street Brewery**. The remainder of the program meetings will continue to take place at the **Centurion Centre**.

Our team of volunteers includes many returning members of the **Executive**, **BOG** and **committee chairs**. New positions include **Ryan Dickinson** who joined the **Executive** and **Mike Swayne** who has joined the **BOG**. New committee chairs and members include **Trevor Thomson**, **Zarna Kakadiya**, **Josh Bourbonniere**, **Jayson Bursill** and **Alex Lapointe**.

I would like to thank **Chris Frauley** for his years on the **BOG**. As a **Past-President**, **Chris** has provided a lot of support and dedication to help ensure success for our chapter and has been a valuable resource in our Chapter operations. Thank you **Chris** everything you have done!

Dan Redmond was presented with the **William J. Collins, Jr. RP Award**, a **Society** level award in **Kansas City** during the **Annual Conference**. This award, named in honour of Presidential Member **Collins**, recognizes a chapter RP chair who excels in raising funds for **ASHRAE's RP campaign**. This is the second year in a row the **Ottawa Valley Chapter** has received this award. Congratulations to **Dan** and the **Research Promotion Committee** who made this possible!

Congratulations to our **Chapter** Member **Darryl Boyce** who is now the **Society President** for 2019-2020. **Darryl** was installed as **President** during the 2019 **ASHRAE Annual Conference** in **Kansas City** in **June**. During **Darryl's** presidential address he announced the new **Society** theme which is "Building for People & Performance. Achieving Operational Excellence". **Darryl** will be delivering his presidential address during an upcoming program meeting.

The annual **Chapter Regional Conference (CRC)** will take place in **Halifax** from **August 23rd** through **August 25th**. Several members of the chapter will be in attendance to plan and prepare for the upcoming year. All the volunteers on the **Board, Executive** and **committees** continue to work hard to prepare for the year ahead. Please let us know if you are interested in volunteering and I hope that everyone has a safe, fun and enjoyable **summer**. I look forward to seeing you in **September!**

Women in ASHRAE

The focus of the **Women in Engineering** group within **ASHRAE** is to facilitate the retention of women working in the built environment by encouraging opportunities for **professional development**, expanding **leadership skills**, and creating a **network** of women supporting women. We strive to unite women from various occupations including **engineering, construction, management, development, equipment, manufacturing, architecture** and more. We hope to foster **mentoring relationships** among these professionals to create a network of women supporting women in the **Ottawa Valley Chapter**.

This will be the first year for **Women in ASHRAE (WiA)** activities in the **Ottawa Valley Chapter**. This will be a great way to meet other women in our chapter!

We are working on organizing our first social event for **WiA** near the end of **October**. Please stay tuned for more information in the upcoming newsletters.



Governor
Celine Baribeau
2019-2020
OVC Governor
BPA

E-mail: cbaribeau@bpa.ca

 <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 7L5</p>	<p>Mark Csiffary P.Eng. President</p> <p>BAXTEC MECHANICAL SERVICES</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 Americas 5845 Kennedy Road Mississauga, ON L4Z 2G3 Tel: 905-712-3118 Toll Free: 866-805-7089 Cell: 416-659-0823 Fax: 905-712-3124 clark.campbell@ca.belimo.com www.belimo.ca</p> <p>Clark Campbell CET District Sales Manager, Eastern Ontario & Atlantic Canada</p>
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What You Missed

The May program meeting of the 2018/2019 **ASHRAE** season was held at the **Centurion Conference & Event Center** on **Colonnade Road**, and the theme for the evening was **History**. The meeting was attended by **ninety-three** guests, which consisted of **seventy-one members**, **twenty guests**, and **three students**. The program for the evening was **Centre Block Rehabilitation** by **Martin Sing**.

President Daniel Redmond called the meeting to order, and introduced the **Executive** and **Board of Governors**. **Secretary Adrienne Mitani** introduced the guests for the evening and **Membership Chair Andrew Brown** introduced the new chapter members.

President Elect Aaron Dobson spoke about the current **Research Promotion** campaign, which has reached our annual goal, and the monthly raffle was for **four** tickets to see the **Ottawa Red Blacks** and another **two** tickets to a different game. Thanks to all of who have supported the **Chapter**.

Past President Adam Graham spoke about the **ASHRAE Best Ball Golf Tournaments** coming up in **June** and that **sponsorships** were still available. **Michael Lallemand** from **Enviroair** presented about his table top the **Nimbus** adiabatic cooler.

History Chair Ryan Dickinson spoke about the nights theme of **History**, the ongoing digitalization project the chapter has been undergoing to archive old **VHS** tapes. He then invited all of the past presidents in attendance to come up for the traditional **Champaign Toast** by **Past President Cathy Godin**.

Nominations Co-Chair Abbey Saunders presented the awards for Company recognition plaques for those who have volunteered, the **Chapter Student Award** to **Jayson**

Bursill, and the award for chapter excellence to **Jacob Hough**.

Past President George Carscallen recounted a brief story about a Chapter trip down to the **US** with **Carrier**.

The business session continued after dinner with President **Daniel Redmond** thanking everyone for a great year, and with **Steve Moons** installing the new **Chapter Executive** and **Board of Governors** for 2019-2020. **President Aaron Dobson**, **President Elect Adam Moons**, **Treasurer Adrienne Mitani**, and **Secretary Ryan Dickinson**, with **Governors Jacob Hough**, **Celine Baribeau**, **Peter Shaw-Wood**, **Joe Della Valle** and **Mike Swayne**.

President **Aaron Dobson** gave his presidential speech thanking the volunteers and recognizing the efforts and milestones of the past year, and looking ahead to the year to come. He presented to now Past President **Daniel Redmond** a certificate of recognition with pin.

The tickets were raffled off with **\$840** raised for **ASHRAE Research**.

President Aaron Dobson introduced **Martin Sing** of **WSP** and the **Centre Block Rehabilitation project**.

Martin Sing spoke about the **Center Block** project called **Centrus** which is a joint venture of **WSP** and **HOK** to renovate the Canadian Seat of Government, which has been in need of modernization. The project will look at the historical restoration, seismic requirements as well as include a new visitor and welcome center.

The project is an **ILPD** which includes the Integrated Project Delivery with Lean Construction to bring together all of the stake holders in the project: the Client:



Treasurer
Adrienne Mitani
2019-2020
OVC Treasurer
Smith+Andersen

E-mail: adrienne.mitani@smithandandersen.com

Government of Canada; Design team: **HOK + WSP**; Construction Manager: **PCL + Ellis Don** in a joint venture.

This includes over **400** people and will include up to **1000** people at the peak, not including trades. This has led to the creation of **three** project offices for those working on the project to be working in the same space together, with ongoing workshops.

The project has generated smaller projects in order to be able to work in the space, which includes the creation of offices to move people to, moving portions of the **Library of Parliament**, as well as the **Books of Remembrance**, a temporary **loading dock**, **heritage conservation** and restoration to name a few.

Archeological projects will also need to be undertaken as areas are excavated and anything that is found will need to be identified and preserved.

The **Centrus** project will use **BIM** for the existing building and the site, as well as develop an entire building **model** to be used for building **life cycle analysis**.

Investigations are also being taken into determining existing building elements, and historical artifacts to be preserved. The schematic design process is underway developing the functional program for the client, determining the design criteria.

Mechanical and **Electrical** are starting the schematic process with studies on **ventilation** and **cooling** for the building. Currently only **40%**

Rod Lancefield, P.Eng., LEED® AP
Engineering Sales
rod@htseng.com
C: 613.851.1997

HTS Ottawa
1646 Woodward Dr.
Ottawa, Ontario K2C 3P8
T: 613.728.7400 Ext: 221
F: 613.728.8032
Toll Free 888.780.8544
ontario.htseng.com



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Environmental Consultants

Jimmy Chahwan
vp

T 613-722-5486 x 223
C 613-262-6293
F 613-722-2817

jimmy.chahwan@inairenvironmental.ca
www.inairenvironmental.ca

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

Jp2g Consultants Inc.

Mark MacIsaac, P.Eng.
Mechanical Team Lead

1150 Morrison Drive, Suite 410
Ottawa, ON K2H 8S9
Tel.: 613.828.7800 x.213
Cell: 613.697.4721
Email: markm@jp2g.com



of the building is ventilated, with the majority use windows for any ventilation, with the goal to be a fully ventilated and cooled space with modern thermal controls.

There are also efforts to incorporate **sustainability** to showcase **leadership** by the government to lead the way to **energy efficiency**

and **carbon neutral** profile. Certification is not the primary goal, however it will also be explored.

He spoke about the **history** and **cultural** significance of the building, including the experience of entering and navigating the space and both the **political** and public spaces.

President **Aaron Dobson** thanked the speaker and presented a gift of a commemorative coin to **Martin Sing**. He reminded attendees of the survey which will be emailed to attendees. The next meeting will be in **September** for the start of the **2019-2020 ASHRAE** season.

ASHRAE OVC Annual Golf Tournament 2019

Our annual **ASHRAE OVC Golf Tournament** was held at **The Marshes Golf Club** on Tuesday June 25th. A big thank you goes out to all **participants** and **sponsors**, and especially those that volunteered their time to make this a great event. With your help, we were able to raise another large amount of money for **ASHRAE Research Promotion**. This is money that will stay in **Canada** and be used to support ongoing research needed to sustain and further our industry. Thank you everyone!

I would specifically like to thank our golf chair **Rod Lancefield** for organizing the event and **Stan Milross, Ryan Dickinson** for their help on the day of.

Though it was looking grim in the morning, we got some fantastic weather this year. It was nice to get out with so many familiar faces and enjoy a great round of golf. This year's winning team was **Modern Niagara** including **Pat Goodhue, Sean Dunlap, DJ Parent, and Jon McDougall**. This was the second win in a row for the **Modern** team. This is an extremely impressive feat considering that **Jon** was on the team both years... Congrats **Pat, Sean** and **DJ!**

Thank you all for your continued support of this event and the Chapter!

Sincerely,

Your 2019 Golf Tournament



2017-2018 President Adam Graham

2017-2018 OVC Past President **HTS**

E-mail: adam.graham@hts.com

Organizing Committee

Some great photos of the event can be found at the link below:

<https://photos.app.goo.gl/BCpGoxRRG61jobk28>

 <p>Chris Harrison President</p> <p>chrish@longhill.ca Phone and cell option: 613-226-3856 ext. 24 Fax: 613-226-2715 124 Reis Rd., Ottawa, Ontario K0A 1L0 www.longhill.ca</p> <p>The Energy Conservation People</p>	 <p>Chris Fudge, P. Eng., LEED® AP Sales Director Commercial, Applied, Heating and Vent cfudge@master.ca</p> <p>T 613-829-2816 #263 C 613-761-2173 F 613-829-3731 1 866 429-1977</p> <p>The Master Group 25H, Northside Road Ottawa (Ontario) K2H 8S1 MASTER.CA</p>	 <p>Sylvain Chenier, P. Eng., ing., LEED® AP Vice President - Mechanical Sylvain.Chenier@mckeeottawa.ca</p> <p>1785 Woodward Drive Ottawa, ON K2C 0P9 CANADA Tel.: (613) 723-9585 x128 Fax.: (613) 723-9584 www.mckeeottawa.ca</p>
 <p>sister company of InAIR Environmental Ltd</p> <p>Jimmy Chahwan VP</p> <p>T 613-722-5486 x 223 C 613-262-6293 F 613-722-2817</p> <p>jimmy.chahwan@miriton.com</p> <p>Miriton Ltd 200-1716 Woodward Dr. Ottawa, ON K2C 0P8 www.miriton.com</p>	 <p>MODERN NIAGARA Design. Build. Service.</p> <p>Andrew Klassen Account Executive Modern Niagara Building Controls</p> <p>613-591-7505 (W) 613-223-2785 (M) aklassen@modernniagara.com www.modernniagara.com</p> <p>WE MAKE BUILDINGS WORK</p>	 <p>Stéphan Riffault, P.Eng. Sales Representative</p> <p>1250 Old Innes Road, Unit 518 Ottawa, Ontario K1B 5L3 613-565-2129, ext. 2128 sriffault@regulvar.com www.regulvar.com</p>

2018-2019 Research Promotion Campaign



President
Aaron Dobson
 2019-2020
 OVC President
Ainsworth

E-mail: aaron.dobson@ainsworth.com

Goal
 \$34,300



\$37,700!
Raised

Thank you very much for your continued support of **ASHRAE Research Canada!**

ASHRAE research plays an important role to improve the quality of life and to answer tomorrow's questions through **research** today. For every dollar raised towards Research Promotion in Canada, **four** dollars are invested towards research projects in **Canada** by **ASHRAE Society**.

Our Research Promotion goal for 2018-2019 was \$34,300. Thanks to the generous support of the ASHRAE Ottawa Valley Chapter community, the total amount raised was \$37,700, which is 110% of our goal. Thank you

to everyone who made this possible, including the RP Campaign Team consisting of Rob Lefebvre, Frank Bann, Michael Swayne, Georges Maamari, Abbey Saunders, Adam Graham and Dan Redmond.

Thank you to Ainsworth and Don Weekes for both donating Ottawa Redblacks football tickets which helped raise \$875 towards the RP campaign. Congratulations to Peter Jowsey and Chris Frauley who were the lucky winners.

The incoming chair of the next Research Promotion campaign is Adam Moons. Please support Adam as he

continues our promotion of ASHRAE research and our contribution towards another successful year.

I look forward to thanking all our donors in person at our next donor recognition night in the fall. The following is a list of the 2018-2019 RP campaign donors.

ASHRAE Golden Circle \$10,000-\$19,999	ASHRAE Associate \$2,500-\$4,999	Major Donor Silver \$1,000-\$2,499	
Ainsworth	Enbridge Gas Distribution Longhill Energy	Total HVAC Goodkey, Weedmark & Associates Trane MCA Ottawa Regulvar	
Major Donor Bronze \$500-\$999	Major Donor Antique \$250-\$499	Honor Roll Individuals \$100-\$249	
Modern Niagara Engineered Air Walmar Ventilation Mastron Mechanical C&S Heating Parson Refrigeration Bouthillette Parizeau Inc.	Aaron Dobson Daniel Redmond Clément Marchand Climate Works Optimum Mechanical T.A. Morrison Jp2g Consultants Don Weekes	Frank Bann Chris Frauley Adrienne Mitani Michael Swayne Steve Moons Jacob Haugh Adam Moons Joe Della Valle Peter Shaw-Wood Ryan Dickinson Douglas Breckenridge	Stephen Harrison Stephen Pope Darryl Boyce Andrew Douma Celine Baribeau Abbey Saunders Carolyn Kerr Michael McNamara
Special Thank-You to the following Donors for their contribution Belimo Aircontrols (CAN), David Michelin, Chris Brown, Ross MacLaren, ProEng Consulting, Aerodynamics & Associates, T.P. Crawford, Alan Moreau, Pageau Morel			

News Update

ASHRAE Wraps Up 2019 Annual Conference

ATLANTA (June 28, 2019) – **Sustainable energy, building performance and refrigeration technologies** were just some of the topics of great interest as **HVAC&R** professionals from around the world exchanged knowledge at the **2019 ASHRAE Annual Conference** in **Kansas City, Mo.** More than **1,600** individuals attended this year's conference.

The **five-day** conference included **eight** conference tracks, tours, social events and a keynote message from former **NASA** astronaut and author, **Mike Massimino**. Technical, standards and standing committee meetings also took place throughout the week, to further the development of resources and direct the future of the built environment.

Darryl K. Boyce, P.Eng., Fellow Life Member **ASHRAE** took office as the **2019-20 ASHRAE President**. His theme for the Society year, "Building for People & Performance. Achieving Operational Excellence," focuses on overcoming the challenges associated with the efficient operation and performance of buildings by leveraging the latest strategies and innovative technologies to ensure operational success for the people living and working within them. "**ASHRAE's** leadership will be crucial as we employ new strategies for obtaining optimal operational and performance in buildings," said **Boyce**. "Meetings like our **Annual Conference** are the ideal place to develop better methodologies from our lessons learned, share **best practices** and transfer great **designs** into effective **building operations**."

The plenary session featured a presentation of awards and honors

recognizing the outstanding achievements and contributions of members to the **Society** and the industry. During her **State of the Society** address, outgoing **2018-19 ASHRAE President Sheila J. Hayter** spoke on **Society's** expanding partnerships through **eight** recently signed **Memoranda of Understanding (MoUs)** with key organizations. Additionally, updates were given on **ASHRAE's** new global headquarters design project.

The conference's technical program addressed trends in **integrated building design, big data** and the process for achieving **zero energy** office buildings, among other topics. A **seminar** highlighting **ASHRAE's 2019 Strategic Plan** offered a look into the background, implementation and monitoring of initiatives the **Society** prepares for the plan's upcoming release.

ASHRAE Learning Institute (ALI) offered **two** full-day **seminars** and **eight** half-day courses. New courses included: **Guideline 36: Best in Class HVAC Control Sequences, IgCC and ASHRAE Standard 189.1 Technical Provisions** (co-presented with the **International Code Council**), **Effective Presentation for Positive Results, Solar PV and Thermal Systems Analysis and Design**, and **Laboratory Exhaust Stacks: Safe and Energy-Efficient Design**. The new **Certified HVAC Designer (CHD)** certification exam was also administered during the conference.

The **2020 ASHRAE Winter Conference** takes place **Feb. 1-5**, and the **AHR Expo**, **Feb. 3-5**, in **Orlando, Fla.**



Governor Jacob Hough
2019-2020
OVC Governor
Total HVAC

E-mail: jacobh@totalhvac.com

ASHRAE Releases 2019-2024 Strategic Plan

ATLANTA (July 1, 2019) – **ASHRAE** is pleased to announce the release of a new strategic plan to guide the society's work over the next **five** years. The **ASHRAE 2019-2024 Strategic Plan** describes the society's core **values, mission and vision** for future success, while also identifying areas where **ASHRAE** will direct its **attention and resources** over the next several years.

The previous plan, released in **2014**, resulted in several significant accomplishments, including the extension of **ASHRAE's** global presence, a greater role in the **residential** sector and higher levels of **volunteer** involvement. The new plan's initiatives reflect the society's longstanding commitment to the **HVAC&R** industry, while leveraging the opportunities and addressing the challenges that are taking place in the fast-evolving built environment. The new strategic plan outlines two initiative areas:

Built Environment of the Future

- Resilient Buildings and Communities
- Indoor Environmental Quality

Future of ASHRAE

- Organizational Streamlining
- Improve Chapter Engagement, Capacity and Support

"In developing our new strategic plan, we closely considered the **changing landscape** of our industry as well as the **diversity** of our

Smith + Andersen

Michael St. Louis B.Eng., P.Eng.
Associate Principal
d 613 691 0265 m 613 316 7297
Michael.St.Louis@smithandandersen.com

1600 Carling Avenue Suite 503
Ottawa, Ontario K1Z 1G3



David Yin, P.Eng., LEED AP
Senior Associate, Buildings Engineering

Stantec
400 - 1331 Clyde Avenue, Ottawa ON K2C 3G4
phone: (613) 725-5573
cell: (613) 323-4964 fax: (613) 722-2799
david.yin@stantec.com

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membership," said **Darryl K. Boyce, P.Eng., 2019-20 ASHRAE President.** "We sought wide-ranging involvement from **ASHRAE** members and key industry organizations on how to best position **ASHRAE** to meet our internal and external challenges and the result is a concise, straight-forward plan based on the values that have motivated the members of our society for close to 125 years."

Some key action items outlined in the plan include:

- Promote best practices that enable adaptability, resilience and recovery of buildings and communities related to the challenges of the design and construction process.
- Accelerate thought leadership and understanding of indoor environmental quality (IEQ) and its implications for occupants' health and wellness.
- Streamline the organization's internal governance to adapt to regional differences and allocate valued time and resources to the most impactful pursuits.
- Evaluate and improve methods to better engage chapters, regions and the members they serve in an integrated way.

For more information on the **2019-2024 ASHRAE Strategic Plan**, please visit ashrae.org/strategicplan.

ASHRAE Releases New HVAC Applications Handbook

ATLANTA (July 11, 2019) –

ASHRAE announced the release of its **2019 ASHRAE Handbook—HVAC Applications.** The newly published **HVAC Applications** volume comprised of 65 chapters covering a broad range of facilities and topics was written to help engineers design and use equipment and systems described in other Handbook volumes. Main sections cover **comfort, industrial, energy-related** and **general applications**, as well as **building operations and management.**

The **2019** edition includes three new chapters:

- Indoor Swimming Pools (Chapter 6)
- Indoor Airflow Modeling (Chapter 59)
- Occupant-Centric Sensing and Controls (Chapter 65)

Some other updates include:

- Educational Facilities (Chapter 8) provides updated design criteria, and a new section on central plant optimization for higher education campuses and educational facilities for students with disabilities.
- Health Care Facilities (Chapter 9) has been extensively rewritten to address current health care requirements.
- Solar Energy (Chapter 36) has added updated guidance on solar thermal collectors and photovoltaic applications, with new information on design and performance of photovoltaic systems and on installation and operation guidelines for photovoltaic systems, with new practical examples.
- Integrated Building Design (Chapter 60) has been

completely rewritten to give more detail on Integrated Building Design (IBD) process.

- Mold and Moisture (Chapter 64) revises the order of risk factors for mold to better reflect their relative importance and added information from ASHRAE RP-1712 to advise on components and configuration of dedicated outdoor air (DOAS) systems to help avoid mold growth in schools, universities, and military barracks during extended periods of unoccupied-mode HVAC operation.

ASHRAE has completed distribution of complimentary copies to members and is now offering this essential resource to the public.

The **2019 ASHRAE Handbook—HVAC Applications** is available in two editions: I-P (inch-pound) or SI (International System) units of measurement. The cost of the print bound volume is **\$220** in I-P or SI.

Individual chapters may also be purchased as digital downloads in PDF format.

To purchase, visit ashrae.org/bookstore.

TOTAL HVAC

Steve Moons
Principal

Total HVAC Inc.
14A-190 Colonnade Rd., S.
Ottawa, Ontario
Canada, K2E 7J5

Tel: (613) 723-4611
Fax: (613) 723-4677
Cel: (613) 229-5806
Email: stevem@totalhvac.com
Web: www.totalhvac.com

Glenn Jones B.Eng LEED AP BD+C
Sales Manager - HVAC Systems

TRANE

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

IR Ingersoll Rand.

WALMAR
www.walmarventilation.ca

24 Gurdwara Road
Nepean, Ontario
K2E 8B5

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Engineer Liaison

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Fax: (613) 225-2972
e-mail: brian@walmar.net

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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 **Adam Moons** (amoons@master.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/2590/index.php?m=eventSummary>

Link: <https://ashraeottawa.simplesignup.ca/en/2593/index.php?m=eventSummary>

Business Card Ads

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will also appear on the chapter website.

The cost is **\$250.00** for the year. Please contact **Rod Lancefield** at rod.lancefield@hts.com for more details.

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

<https://ashraeottawa.simplesignup.ca/en/2591/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

2019-2020 Publicity Committee Co-Chair

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



President Elect

Adam Moons

2019-2020

OVC President Elect

Master Group

E-mail: amoons@master.ca



Publicity

Rod Lancefield

2018-2019 Publicity
Committee Co-Chair

HTS Engineering Ltd.

E-mail: rod.lancefield@hts.com

2019-2020

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Aaron Dobson

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Adrienne Mitani

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Ryan Dickinson

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Joe Della Valle

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Celine Baribeau

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Grassroots

Government Affairs

Adam Moons

Financial

Sandy Taylor

Greeter

Mike Swayne

History

Ryan Dickinson

Membership

Promotion

Andrew Brown

Nominations &

Awards

Steve Moons

Abbey Saunders

PAOE

Adam Moons

Program

Zarna Kakadiya

Publicity

Sandy Taylor

Research

Promotion

Adam Moons

Special Events

Colleen Fox

Rod Lancefield

Adam Moons

Michael Callaghan

Adam Graham

Student Activities

Elizabeth Primeau

Table Top

David Michelin

YEA

Jordan Hansen

Website

Ryan Dickinson