



## Ottawa Valley Chapter

**DATE:** **Tuesday November 21, 2017**  
Social: 17:30, Dinner: 18:30, Program: 19:30

**LOCATION:** **Centurion Conference & Event Center**  
170 Colonnade Road, Nepean, ON K2E 7J5

**THEME:** **Research**

**PROGRAM:** **Biomass Heating System**

This program will explore the ins and outs of the use of biomass as fuel for heating systems. The session will explore some of the fundamentals including fuel types and considerations, fuel delivery and storage prior to looking at sizing and design criteria, as well as different boiler technologies. The speaker will review some of the recent code and standard changes along with available incentives to pursue this technology.

**SPEAKER:** **Andreas Wintzer, Viessman Manufacturing Company Inc.**

Andreas is the Biomass and Commercial System Manager for Viessmann Canada. Appointed to this role in 2010, Andreas is responsible for the overall strategic direction for Commercial Biomass Systems, and manages customer support services for pre-sale of Biomass and commercial products.

Prior to joining Viessmann, Andrea held a variety of positions within sales and engineering with Baxi Group in Germany and North America

Andreas is a Certified Engineering Technologist, HVAC Mechanic/ Master and a Certified Heating & Plumbing Technician.

**Space is limited so please register online at the link below**

Chapter Members: \$48.00      Guests: \$65.00  
Student Members: \$35.00      Life or Fellow: \$48.00

<https://ashraeottawa.simplesignup.ca/en/610/index.php?m=eventSummary>

# President's Message

As the days get shorter and the nights cooler, we are reminded of the fall season and as such are reminded of the ultimate sacrifice that many fellow Canadians have made over the years as part of our **Canadian Armed Forces**. On **November 11**, we remember our veterans who have served Canada during war-time, armed conflict, and times of peace. I encourage everyone to get out and attend the annual **Remembrance Day National Ceremony** and to share a moment of silence in remembrance.

**October** marked our second program meeting of the year and I understand that it was a great meeting. I'd like to thank the speaker **Jeff Siddall** for the informative presentation on **electrical fundamentals**. Though it is unfortunate that I could not attend, I am very pleased to announce that it was for a good cause and that I am now a dad! Everyone is happy and healthy and I am glad that I was able to spend these few precious days focussed on family... I want to thank the entire BOG for helping out and specifically **Dan Redmond** for stepping in to run the last meeting on my behalf.

Our **bowling social** will be taking place on **November 22**. This event is always fun and I encourage you all to attend. See the bowling article for reference and contact **Adam Moons** for more details.

With the abundance of pumpkin beverages and impending Christmas music everywhere, we realize that the holidays are nearing quickly. For many, this is a time of giving. As such, several of us have holiday traditions of donating to charities and organizations that support people in need or a cause that is dear. I feel that it is important to give back what we can to our community and our industry. I would like to thank all of those that continue to consider **ASHRAE Research** an important part of this group. This money goes directly to research that changes our industry for the better. **Daniel Redmond** will be hosting a **donor recognition night** at the **November meeting** to recognize all of those individuals and organizations that helped make the **2016-2017 Campaign** a success.

Our November program meeting with take place at the **Centurion Centre** on **November 21**. **Andreas Wintzer** from **Viessmann** will



**President**  
**Adam Graham**  
2017-2018  
OVC President  
**HTS**

**E-mail:** [adam.graham@hts.com](mailto:adam.graham@hts.com)

discuss Biomass heating technology and its application. I feel that this is quite timely with all of the recent discussion over carbon neutrality and GHG reductions. Please go to our website at [www.ashrae.ottawa.on.ca](http://www.ashrae.ottawa.on.ca) and click on the registration link to sign up.

I look forward to seeing everyone at the next meeting and as this will be my last message of **2017**, I would like to wish everyone and their families a **wonderful holiday season**.

Sincerely,

**Adam Graham**  
**2017-2018 OVC President**

**AMERESCO**  
Green • Clean • Sustainable

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

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 7L6

Green • Clean • Sustainable

**Mark Csiffary P.Eng.**  
President

**BAXTEC**  
MECHANICAL SERVICES

2470 Don Reid Drive  
Ottawa ON K1H 1E1  
mark@baxtec.com  
www.baxtec.com  
W: 613-738-7450 C: 613-229-8277

**ENGINEERING PERFORMANCE...**

... mechanical, electrical, building automation, environmental, ...

**bpa**  
advanced sustainable building systems

Patrick St-Onge, P. Eng. LEED AP | 613-596-6454 | bpa.ca  
1960 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9

**BELIMO**

**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

**Clark Campbell CET**  
District Sales Manager,  
Eastern Ontario & Atlantic Canada

**DANNY DILLON, GSC**  
PRESIDENT

**DILFO**  
MECHANICAL CONTRACTORS

1481 Cyrville Road  
Ottawa, ON K1B 3L7  
Ph: 613.741.7731  
Cell: 613.880.8504  
Fax: 613.741.9962  
danny@dilfo.com

**DILFO.COM**

**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

Goodkey Weedmark  
50 years  
1956 - 2006

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

**HTS Ottawa**  
1686 Woodward Dr.  
Ottawa, Ontario K2C 3R8  
T: 613.728.7408 Ext. 221  
F: 613.728.8032  
Toll Free: 888.280.8544  
ontario.htseng.com

**HTS**

**InAIR Environmental Ltd.**

**Donald M. Weekes, CIH, CSP, FAIHA™**  
Partner  
613.858.0244  
don.weekes@inairenvironmental.ca

503-1390 Prince of Wales Drive  
Ottawa, ON K2C 3N6  
☎: 613.224.3863  
✉: 613.224.2561

Indoor Environmental Consultants  
www.inairenvironmental.ca

**Jp2g Consultants Inc.**

**Andrew Young, P.Eng.**  
Project Manager | Mechanical Engineer

1150 Morrison Drive, Suite 410  
Ottawa, ON K2H 8S9  
Tel.: 613.828.7800 x.240  
Email: andrewy@jp2g.com

**Jp2g**

# What You Missed

The **second program meeting** of the **2017/2018 ASHRAE season** was held at the **Centurion Conference & Event Center** on Colonnade Road in Ottawa. The theme for the evening was **Students**. The meeting was attended by **fifty-six guests**, which consisted of **forty-two members**, **eight guests** and **six students**. The program for the evening was **Electrical Fundamentals for HVAC or How to speak Electrical and not lose your cool?** The speaker was **Jeff Siddal, LEL, CET** from **Morrison Hershfield** in Ottawa.

President-Elect **Dan Redmond** was the presiding officer in President Adam Graham's absence. President-Elect Dan Redmond called the meeting to order, introduced the Executive and Board of Governors. Secretary **Aaron Dobson** introduced the guests for the evening.

**Celine Baribeau**, membership promotion chair introduced **six new members** to the Ottawa Chapter.

With this month's theme being Students, President-Elect **Dan Redmond** welcomed Student Activities Chair **Peter Shaw-Wood** to talk about **Student Activities**. Peter Shaw-Wood welcomed the six students in attendance and talked about the **Algonquin College** and **Ottawa University Student Chapters** and gave a recap of the recent homecoming event at **Queen's University** where members promoted the Ottawa Chapter.

**Dan Redmond**, President-Elect and Research Promotion Chair, talked about the research promotion. Raffle tickets were sold to win two club-seat **Ottawa Redblacks** tickets that were generously donated by **Modern Niagara Ottawa**. A total of **\$820** was raised for ASHRAE research.

**Joe Della Valle** discussed **YEA**, including the members who applied for leadership weekend and the **LeadRS** opportunity. Joe Della Valle reminded the guest of the YEA event on **November 3rd at Archery Tag**.

**Noah Goddard** from **Hydro Ottawa** and **Clark Campbell** from **Belimo**

discussed their table tops. Noah talked about the incentive money available through Hydro Ottawa for energy efficiency projects and Clark talked about new products available from Belimo.

President-Elect **Dan Redmond** invited **Paul Pieper** from **The Master Group** to give a talk about **ASHRAE Technical Committees**. Paul talked about the different committees, types of members that are Volunteers and their diverse backgrounds. Paul gave an overview of how the technical committee works by discussing the various roles that form a technical committee, how the research is initiated and monitored. Information was given on how to volunteer and get involved in becoming part of a technical committee.

Dinner was Garden Salad for starter. Roast beef with mash potatoes, carrots and beans for main and chocolate cake for dessert.

President-Elect **Dan Redmond** announced the program topic and welcomed **Chris Frauley** to introduce the speaker, **Jeff Siddal**. Chris Frauley talked about Jeff's work history and how the program topic came about. **Jeff Siddal** is the **Department Manager Mechanical and Electrical** at **Morrison Herhsfield** in Ottawa. Jeff has designed and implemented energy management, generation and control systems in laboratories, industrial and commercial facilities for **27 years**. His work includes electrical distribution, generation, control and protection systems for both low and medium Voltage installations over several scales from individual buildings to campuses.

The presentation discussed the language of electrical and what to do to survive and thrive in the **"Electrical Jungle"**. Electrical speaks some odd language of Volts, Amps, kW, Phases, MOCP, and other nonsensical terms that were discussed in the presentation. The "Electrical Jungle" aka electrical system was explained showing the power from the utility to the various components in an electrical system such as switchboards, panelboards,



**Secretary**  
**Aaron Dobson**  
2017-2018  
OVC Secretary  
**Ainsworth**

**E-mail:** [Aaron.Dobson@ainsworth.com](mailto:Aaron.Dobson@ainsworth.com)

transformers, motor control centers and end devices (motors, lighting, receptacles).

**Single line diagrams** which are the road map of electrical systems were recommended to coordinate the voltages and amps for mechanical equipment selection.

**Electrical devices** were explained in detail. The devices included transformers, motor starters, VFDs and motor control centers. Transformers change one voltage to another. They are not a perfect machine and lose **2 to 3%** of full rating of every hour every day when on. They give off heat and need to be ventilated. Motor starters are devices to start/stop the motor and change direction of rotation. Their size is proportional to the motors (500hp motor = 500 hp starter). Electrical industry has changed to where the mechanical equipment comes with built in starters. This requires more coordination with electrical and mechanical trade.

**VFDs** make all your problems go away. The bigger the motor, the bigger the VFD. Operating a VFD at **less than 60% of full load** for a long time will **overheat the motor**.

**Motor Control Centers** are an assembly of sections that have a common power bus. They include motor starters, VFDs, controllers, metering devices and are factory tested prior coming to site. They are easy to install and work well. MCCs can be prewired for control systems and fire alarm shutdowns.

Jeff talked about the local utilities and their guidelines for the hydro vaults. Different utilities have different standards, but similar commonalities. If the requirements are not met or maintained, the hydro vaults would be shut down by the utility. Jeff gave an example of a

hydro vault layout with best practices for design with indoor air temperature and air flow requirements for equipment in the vault to operate.

Generators, transfer switches and motor loads on generators were discussed with referencing **CSA C282 Emergency Electrical Power Supply for Buildings** for equipment that is considered life safety. It was mentioned that priority loads get switched first. Other loads considered asset protection (e.g. sump pumps) or other non-priority

loads require a second transfer switch if the generator is big enough.

The presentation included **audience participation** to help visualize Alternating Current/Direct Current circuits, requirements for capacitors in AC circuits and motor rotation with 3-phase power. HVAC systems is the most significant area of interface between mechanical and electrical. Jeff gave examples where there were differences between mechanical and electrical schedules that lead to costly change orders during the construction project.

President-Elect **Dan Redmond** thanked **Jeff Siddal** and reminded all attendees of the survey. Next meeting **November 21st** at the Centurion Convention and Event Center. Meeting adjourned at **21:07**.

All chapter meeting pictures and videos are posted online. Visit [www.ashrae.ottawa.on.ca](http://www.ashrae.ottawa.on.ca) and search under the Chapter year for links.

## News Update

### ASHRAE Publishes 2017 Version Of Thermal Comfort Standard

**ATLANTA** – The **2017 edition** of ASHRAE's major thermal comfort standard has been published to incorporate seven published addenda to the 2013 edition.

**ANSI/ASHRAE Standard 55-2017, Thermal Environmental Conditions for Human Occupancy**, simplifies the language of the 2013 standard and clarifies the three comfort calculation approaches in Section 5.3.3, "Elevated Air Speed." The 2017 edition includes a new requirement to calculate the change in occupants' thermal comfort from direct solar radiation.

"The **updates** to Standard 55-2017 are the result of a continuing series of modifications made based on new research, experience, and proposals from designers, manufacturers and users," says **Abhijeet Pande**, chair

of the Standard 55 committee. "Standard 55 has been rewritten with a renewed focus on application of the standard by practitioners and use of clear, enforceable language." The **three comfort calculations methods** provided in the 2017 edition are:

- a graphic method for simple situations,
- an analytical method for more general cases, and
- a method that uses elevated air speed to provide comfort.

Other additions include simplification of Appendix A to a single procedure for calculating operative temperature; clearly stated requirements and calculation procedures appearing sequentially; an update to the scope to ensure the standard is not used to override health, safety; critical process requirements; and removal of permissive language.



**Governor Jacob Hough**  
2017-2018 Program Committee Chair  
**Total HVAC**

E-mail: [jacobh@totalvac.com](mailto:jacobh@totalvac.com)

The cost of **ANSI/ASHRAE Standard 55-2017** is: \$89 for ASHRAE members (\$105, non-members). To order, visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or contact ASHRAE Customer Contact Center at 1-800-527-4723

### ASHRAE Technical Program For Winter Conference Focuses On Reducing Ecological Impact

**ATLANTA** – Reducing the ecological impact of the built environment and integrated design are featured themes in the technical program at ASHRAE's 2018 Winter Conference.

**Longhill Energy**  
Chris Harrison  
President  
chris@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](http://www.longhill.ca)  
The Energy Conservation People

**Master**  
AIR CONDITIONING REFRIGERATION  
VENTILATION HEATING  
Chris Fudge, P. Eng., LEED® AP  
Sales Director  
Commercial, Applied, Heating and Vent  
cfudge@master.ca  
T 613-829-2816 #263  
C 613-761-2173  
F 613-829-3731  
1 866 429-1977  
The Master Group  
25H, Northside Road  
Ottawa (Ontario) K2H 8S1  
MASTER.CA

**MCKEE ENGINEERING**  
Sylvain Chenier, P. Eng., ing., LEED® AP  
Vice President - 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)

**MODERN NIAGARA** | Design. Build. Service.  
Andrew Klassen  
Account Executive  
Modern Niagara Building Controls  
613-591-7505 (W)  
613-223-2785 (M)  
[aklassen@modernniagara.com](mailto:aklassen@modernniagara.com)  
[www.modernniagara.com](http://www.modernniagara.com)  
WE MAKE BUILDINGS WORK

**Régulvar**  
Stéphan Riffault, P.Eng.  
Sales Representative  
1250 Old Innes Road, Unit 518  
Ottawa, Ontario K1B 5L3  
613-565-2129, ext. 2128  
[sriffault@regulvar.com](mailto:sriffault@regulvar.com)  
[www.regulvar.com](http://www.regulvar.com)

**Smith + Andersen**  
David McClatchie C.E.T.  
Associate Principal  
d 613 691 0264  
[david.mcclatchie@smithandandersen.com](mailto:david.mcclatchie@smithandandersen.com)  
1600 Carling Ave. Suite 530  
Ottawa Ontario K1Z 1G3  
t 613 230 1186 f 613 230 2598  
[smithandandersen.com](http://smithandandersen.com)  
Established 1965



The **2018 Winter Conference** takes place Jan. 20-24, at the **Palmer House Hilton, Chicago**. The ASHRAE co-sponsored **AHR Expo** will be held in conjunction with the Winter Conference, Jan. 22-24 at **McCormick Place**.

“The technical program provides attendees with the information they need to reduce the ecological impact of our built environment on the world around us,” says **Michael Collarin**, chair of the 2018 ASHRAE Winter Conference. “The program features **seven program tracks** that focus on resources to design, build, control, commission and operate facilities and infrastructure that need to not only be efficient, but resilient.”

The technical program features more than **200 presentations** by nearly **300 speakers** with tracks on Systems and Equipment; Fundamentals and Applications; Standards, Guidelines and Codes; Earth, Wind & Fire; Tall Buildings; Modeling Throughout the Building Life Cycle; and Heat Exchange Equipment. The full technical program is now available.

ASHRAE is also offering two program **“mini-tracks”** at the **AHR Expo** on

*ASHRAE Society links:*

<https://www.ashrae.org/membership--conferences/conferences/2018-ashrae-winter-conference>  
<https://www.ashrae.org/education-certification/2018-chicago-winter-conference-courses>

**Monday, Jan. 21.** These sessions offer AHR Expo attendee updates on refrigerants and residential buildings. Attendance is free.

In keeping with ASHRAE’s goal of continuing education, **Professional Development Hours (PDHs)** recognized by most U.S. states, along with **AIA LUs** and **LEED AP credits** are available through **ASHRAE Learning Institute (ALI)**. ALI will offer **20 courses** as well as **two full-day**, and **five half-day seminars** during the conference, many of which can be applied toward a professional engineering license. New and updated courses include: Optimizing Indoor Environment; Increasing Building Value; Understanding and Designing Chilled Beam Systems; Designing High-Performance Healthcare HVAC Systems; Complying with Standard 90.1-2016: HVAC/Mechanical; and Humidity Control I and II: Principles & Applications.

Additionally, ASHRAE will offer onsite administration of all **six ASHRAE certification exams** on Jan. 20 and Jan. 24. The exams being administered include: Building Commissioning Professional (**BCxP** and **CPMP** Recertification); Building

Energy Assessment Professional (**BEAP**); Building Energy Modeling Professional (**BEMP**); High-Performance Building Design Professional (**HBDP**); Healthcare Facility Design Professional (**HFDP**); and Operations & Performance Management Professional (**OPMP**). Applications must be submitted by **Dec. 20**.

Another **conference highlight** are the **tours**, some which include Method Home Soap Manufacturing Plant, the Gas Technology Institute (GTI) Lab, The Plant and 340 on the Park. Tours can be reserved for an additional fee during the registration process.

ASHRAE President **Bjarne W. Olesen** will provide an update on his **presidential theme, “Extend”** at the **President’s Luncheon** on **Monday Jan. 22**. Major contributors to the **ASHRAE RP Campaign** will also be recognized at this lunch.

The keynote speaker at the opening plenary session on **Saturday, Jan. 20** will be **Debbie Sterling, Founder and CEO of GoldieBlox**, an award-winning company on a mission to “disrupt the pink aisle” with toys, games, and media for

girls. **Sterling**, named **TIME's "Person of the Moment"** among other honors, is an engineer, entrepreneur, and one of the leaders in the movement toward getting girls interested in science, technology, engineering, and math.

### **ASHRAE LowDown Showdown Modeling Challenge Teams Recognized**

**ATLANTA** – Five teams competed to design and model a **near net-zero energy building** on an existing 43,942 square foot office and warehouse during ASHRAE's third annual **LowDown Showdown Modeling Competition**.

The LowDown Showdown was held in conjunction with the **2017 ASHRAE Building Performance Analysis Conference**, Sept. 27-29 in **Atlanta**. More than **250 people** attended the conference, with speakers presenting practical applications of tools, case studies and papers on simulation, research and a deeper dive into current technology.

The competition engages architects, engineers, designers and energy modelers by working on integrated teams in the creation of effective workflow and outstanding design in real-world building efficiency challenges.

"The inspiration for this year's competition challenge was born from a real-life work project," says **Annie Marston**, competition committee chair. "These challenges happen all the time, so you really have to go through the documentation to see what's going on," she said.

**Sustainability Savants** won **first place** and **fan favorite** for their strategy to reduce loads in collections spaces, with the goal of enabling the supply of required ventilation air. The team concluded that the air system, with its large supply volume and high static pressure, was the primary source of energy usage, between fan energy and space conditioning.

"Spoiler, we didn't quite get to net zero energy," says **James Cullin**, Associate Member ASHRAE and Sustainability Savants team member. "We all had our parts to play. The sharing of knowledge is the big thing. That's why we're here."

Other teams presenting their results at the conference included:

- **The Sandstorm Stoppers** – The team analyzed the existing building's energy consumption in respect to its location, size, typology, and HVAC system. Their strategy was to evaluate maximum possible energy generation from PV panel and then work from top to bottom to reduce energy consumption.

- **The Nothin' but Net Zero** – The team focused on trying to come up with a proposal that a real building owner might reasonably consider. They utilized technologies and solutions that are readily available, cost effective, and easy to apply to an existing building.
- **Team Re+Ro's** – In this retrofitting project, the team's strategy was to address modeling and calibration. They found ways to reduce infiltration in the office building and use a ground source heat pump to reduce infiltrations in the storage building.

**Teams were evaluated in six categories:** energy, teamwork, practicality, creativity, calibration and presentation. **Prizes** were awarded for the **top three teams** and conference attendees voted electronically for the fan favorite. The results were announced at a reception during the conference. See complete project overviews, including team posters on the 2017 ASHRAE LowDown Showdown Modeling Challenge results webpage.

The next **ASHRAE LowDown Showdown Competition** will take place at the **2018 Building Performance Analysis Conference** and **SimBuild** co-organized by **ASHRAE** and **IBPSA-USA** in **Chicago**.

---

## **Bowling Social**

### **Ladies and Gentlemen,**

We're getting closer to the date, and there are still spaces available for you all! The **ASHRAE OVC Bowling Social** is guaranteed to be the greatest event in the history of OVC Bowling events held in November this year, so don't miss out! **Wednesday, November 22nd** is the date, and the **Merivale Bowling Centre (1916 Merivale Rd.)** is the location. Online registration is open now.

The format will be the same as previous years, **3 games with 4 people per lane**. 6:30pm registration, 7:00pm start.

The **\$200** per team entry fee will afford you shoe rental, warm-up, 3 games, and loads of nachos, wings and pizza.

The intent of this event is promoting **camaraderie and fellowship in the ASHRAE community**, so please consider attending. Numbers will need to be finalized by the **second week of November**, so register early!

If you have any questions, or if there is more information required, please don't hesitate to contact me.



**Governor**  
**Adam Moons**

2017-2018  
Bowling Chair  
**Master Group**

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

Again, online registration is available now at the link below!

**Adam Moons**  
**Master Group**  
**25H Northside Rd.**  
**Nepean, On. K2H 8S1**  
**Cell: 613-795-2816**  
**amoons@master.ca**

*ASHRAE OVC link:* <https://ashraeottawa.simplesignup.ca/en/2725/index.php?m=eventSummary>

# Research Promotion

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

Many of you are aware that ASHRAE research plays an important role in our everyday lives. Our built environment including everything from our homes, offices and hospitals to quality of food and living conditions in airplanes are dependent upon the research conducted by ASHRAE to keep people healthy and comfortable. Every dollar raised by **ASHRAE Research Canada** stays in Canada to further research in the HVAC&R industry. Furthermore, for every dollar raised, two to three dollars are invested in research, here in Canada.

Currently the team is off to a great start having raised 19% of our total goal of \$30,100 for 2017-2018. At the **October Program Meeting**, tickets were graciously donated by **Modern Niagara Ottawa** and \$820.00 towards this year's campaign. Thank you very much Modern Niagara Ottawa for donating the tickets and congratulations to **Ryan Dickinson** who was the lucky winner of two tickets to the **October 27th Ottawa Redblacks** game vs the **Hamilton Tigercats**.

Thank you very much to our **2017-2018 RP Campaign donors**. The list below of current 2017-2018 RP Campaign donors will be updated for each monthly newsletter, so donate quickly to see you name appear!

Two of the easiest ways to make your donation to the 2016-2017 RP Campaign are by clicking either of the links below.



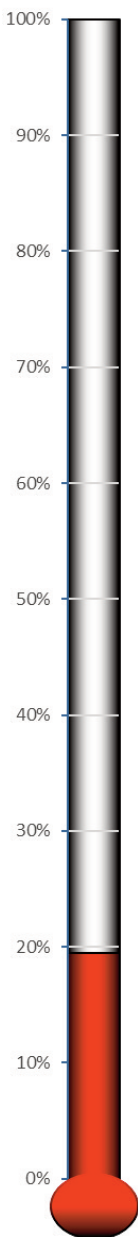
**President-Elect**  
**Daniel Redmond**  
2017-2018  
OVC President-Elect  
**Carleton University**

**E-mail:** [daniel.redmond@carleton.ca](mailto:daniel.redmond@carleton.ca)

Should you wish to make a donation with a cheque, please make all cheques payable to **ASHRAE Research Canada**.

My contact details are shown below, but I will gladly make arrangements to pick-up any cheques if needed.

**Daniel Redmond**  
**Carleton University**  
Facilities Management and Planning  
1125 Colonel By Drive  
Maintenance Building, Room 200  
Ottawa ON  
K1S 5B6  
[daniel.redmond@carleton.ca](mailto:daniel.redmond@carleton.ca)  
p: 613.520.2600 x8641



The **2017-2018 RP Campaign Team** includes:  
**Adam Graham,**  
**Abbey Saunders,**  
**Georges Maamari,**  
**Frank Bann,**  
**Mike Swayne** and  
**Rob Lefebvre.**

*ASHRAE OVC link:* <https://ashraeottawa.simplesignup.ca/en/2594/index.php?m=eventSummary>

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

<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
<b>Major Donor Bronze</b> \$500-\$999	<b>Major Donor Antique</b> \$250-\$499	<b>Honor Roll</b> \$150-\$249 (\$100-\$249 for individuals)
Ainsworth Modern Niagara Ottawa Total HVAC	Aaron Dobson	Abbey Saunders Chris Frauley Richard Cameron Adam Graham Daniel Redmond Stan Millross Steve Moons Ryan Dickinson

<p><b>Stantec</b></p> <p>David Yin, P.Eng., LEED AP Senior Associate, Buildings Engineering</p> <p>Stantec 400 - 1331 Clyde Avenue, Ottawa ON K2C 3G4 phone: (613) 725-5573 cell: (613) 323-4964 fax: (613) 722-2799 <a href="mailto:david.yin@stantec.com">david.yin@stantec.com</a></p>	<p><b>TAMCO</b> INNOVATIVE DAMPER PRODUCTS</p> <p>Experience the true meaning of service and quality</p> <p><b>Frank Picchione</b> Regional Sales Manager</p> <p>Tel: 800-561-3449 Cell: 514-781-8381 Fax: 800-668-8476 <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>
---	---

# YEA

Hi OVC! I am very excited to announce the date for this year's first YEA event! I have booked **Archery Tag** on **November 3rd at 7:00pm**.

An email has been sent to all members with registration link and event details, 20 people max so if

interested sign up asap.

If you have any questions let me know.

Thank you for your support,

**Joe Della Valle**



**Committee Chair**

**Joe Della Valle**

2017-2018

OVC YEA Chair

**Walmar Ventilation**

E-mail: [joedellavalle@walmar.net](mailto:joedellavalle@walmar.net)

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/2743/index.php?m=eventSummary>

## Membership Update

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

**Harjit Singh**  
**David Chabot**  
**Tim Sutton**  
**Alex Cashman**  
**Adrian Soble**  
**Nick Amlin**  
**Marc-Andre Larose**

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. Looking forward to seeing everyone at the next ASHRAE meeting.



**Committee Chair**

**Celine Baribeau**

2017-2018

Membership Committee Chair

**BPA**

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

## Table Top Display

What better way to display a new product, existing line, or share great ideas than to have a table-top display at our local OVC **ASHRAE** meetings? The OVC meetings provide a captive audience in the industry and exposure to **60+** people.

We are currently reserving table-top openings for the upcoming ASHRAE year.

Please contact **David Michelin** ([david.michelin@hts.com](mailto:david.michelin@hts.com)) to secure yours today! Cost for a table-top is **\$225** and spaces are filling up quickly, so book your table-top today!



**Committee Chair**

**David Michelin**

2017-2018

OVC Table Top Chair

**HTS**

E-mail: [David.Michelin@hts.com](mailto:David.Michelin@hts.com)

Payment is to be made through the online system prior to the date reserved. Follow the link below: <https://ashraeottawa.simplesignup.ca/en/2592/index.php?m=eventSummary>

<p>Steve Moons Principal</p> <p>Total HVAC Inc. 14A-190 Colonnade Rd., S. Ottawa, Ontario Canada, K2E 7J5</p> <p>Tel: (613) 723-4611 Fax: (613) 723-4677 Cel: (613) 229-5806 Email: <a href="mailto:steven@totalhvac.com">steven@totalhvac.com</a> Web: <a href="http://www.totalhvac.com">www.totalhvac.com</a></p>	<p>Glenn Jones B.Eng LEED AP BD+C Sales Manager - HVAC Systems</p> <p>1024 Morrison Drive Ottawa, ON K2H 8K7 613-356-1940 / Cell 514-951-7809 613-820-8111 / Fax 613-820-1414 <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</p> <p>e-mail: <a href="mailto:brian@walmar.net">brian@walmar.net</a></p> <p>VENTILATION &amp; FILTRATION PRODUCTS</p>
<p>50 Flonson Drive, Suite 160 • Toronto, Ontario • M9W 1B3 Tel: 416-251-8990 • Watts: 1-800-613-3789 • Fax: 416-251-8900 <a href="http://www.wesmechtech.com">www.wesmechtech.com</a></p> <p><b>Joseph McCallion, C.E.T.</b> President</p> <p><a href="mailto:josephm@wesmechtech.com">josephm@wesmechtech.com</a>      cel: 416-720-8976</p>	<p><b>Jim Mills, P.Eng., ing., LEED AP</b> Director, Mechanical Group</p> <p>T 613-829-2800, ext. 19108 F 613-829-8299 C 613-240-2746 <a href="mailto:jim.mills@wspgroup.com">jim.mills@wspgroup.com</a></p> <p>WSP Canada Inc. 2611 Queensview Drive, Suite 300 Ottawa ON K2B 8K2 <a href="http://www.wspgroup.com">www.wspgroup.com</a></p>	<p><b>Larry Gravelle</b> Tel: (613) 721-3301 Fax: (613) 721-4906 <b>1-877-733-3833</b> <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> <p>Honeywell HVAC/BAS &amp; Vulcan</p> <p>BELIMO FACILITY EXPLORER</p> <p>Johnson Controls</p> <p>SIEMENS</p> <p>KMC</p> <p>GREYSTONE</p>



# Student Activities

Hi All,

October is a big month for students; it's also the **OVC's Themed Month for Student Activities**. Our chapter is hugely fortuitous to have the strong dedicated base of membership who value student outreach. The general testament we have is one of "what can I do for the students" and not "what do I have to do".

I frequently get offers from our membership for help and outreach, it's an amazing thing and I hope it continues. This month I had a very generous donation from **Glenn Maclean** in the form of **ASHRAE handbooks**. These will go to good use with our latest entry into to the **Student Design Competition** from **UOttawa** – look to the next month's Student Activities section for the full announcement! If you're interested in **becoming a mentor** please reach out!

We also sent one of our own to **Queen's** to attend their **Annual Alumni Panel** and posted an article about ASHRAE in their **professional development newsletter**.

**Steve Moons** generously donated his Saturday to drive over to **Kingston** and attend this panel. I hope he enjoyed the experience along with their home coming festivals.

Big thanks to **Steve Moons** for attending and **Samantha Eby & Hannah Cameron** of **Queen's** for organizing! There is a lot more that we'll be seeing from Queen's in the next few months – if you're a **Queen's Alumni** please let me know so we can plan year-over-year attendance to this panel and general support of their soon to be **ASHRAE Student Chapter**.

We also had a nice meeting with the **UOttawa** chapter; thanks **Elizabeth Primeau** for organizing! Our meeting centered on creating lasting members in the UOttawa student chapter along with the new banner and some events coming in the new year.

Finally, **Louis Laurier** helped organise a meeting with **CEGEP students** and **Richard Lemelin** for **Nov 6th**. He and I will be speaking about the virtues of ASHRAE, our HVAC industry here in Ottawa and what kind of jobs are out there on the service/contracting side. Thanks **Richard** and **Louis**!

**Peter Shaw-Wood**  
OVC Student Activities Chair



**Committee Chair**

**Peter Shaw-Wood**

2017-2018

OVC Student Activities  
Chair

**Alscott Air Systems Limited**

E-mail: [pshaw-wood@alscott.ca](mailto:pshaw-wood@alscott.ca)



# 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 **Chris Fudge** ([cfudge@master.ca](mailto:cfudge@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](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/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**  
**2017-2018 Publicity Committee Co-Chair**  
HTS Engineering Ltd.  
E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)



**Treasurer**  
**Chris Fudge**  
2017-2018  
OVC Treasurer  
**Master Group**

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



**Publicity**  
**Rod Lancefield**  
2017-2018 Publicity  
Committee Co-Chair  
**HTS Engineering Ltd.**

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

## 2017-2018

### President

Adam Graham

### President-Elect

Daniel Redmond

### Treasurer

Chris Fudge

### Secretary

Aaron Dobson

### Governors

Richard Cameron

Adrienne Mitani

Chris Frauley

Adam Moons

Jacob Hough

### Past President

Abbey Saunders

### Committees

#### Attendance

Sandy Taylor

#### Audit

Georges Maamari

### Capital Communiqué

Ryan Dickinson

#### CRC

Adam Graham

#### CTTC

Jacob Hough

#### Grassroots

### Government Affairs

Richard Cameron

#### Financial

Sandy Taylor

#### Greeter

Mike Swayne

#### History

Jeremy Strong

Ryan Dickinson

### Membership

#### Promotion

Celine Baribeau

### Nominations &

#### Awards

Abbey Saunders

Steve Moons

#### PAOE

Daniel Redmond

#### Program

Graham Falt

#### Research

#### Promotion

Daniel Redmond

#### Roster

Georges Maamari

### Special Events

Colleen Fox

Andrew Douma

Adam Moons

Steve Moons

#### Student

#### Activities

Peter Shaw-Wood

#### Table Top

David Michelin

#### YEA

Joe Della Valle

#### Website

Roderic Potter