



ASHRAE Ottawa Valley Chapter

- DATE:** Tuesday October 17, 2017
Social: 17:30, Dinner: 18:30, Program: 19:30
- LOCATION:** Centurion Conference & Event Center
170 Colonnade Road, Nepean, ON K2E 7J5
- THEME:** Student
- PROGRAM:** Electrical Fundamentals for HVAC or How to speak Electrical and not lose your cool?

HVAC systems is the most significant area of interface between mechanical and electrical. And electrical speaks some odd language of Volts, Amps, kW, Phases, MOCP, and other nonsensical terms. Then just when you think everything is okay you find out the 480V equipment you specified is not right. Now the contractor is holding you for ransom and it is all electrical's fault. With this in mind, join us for the survivors guide for dealing with electrical in the HVAC world.

We will clear away the mysteries of:

- Why not use 480 Volts? Or 120V or 208V or 600V and how many Volts do you need anyway?
- One Phase or Three? And where is two phase?
- Maximum over what?
- Who does spec the starter? What is a starter anyway? I want the motor to run shouldn't it be a runner not a starter? And just what is an MCC?
- A drive, yeah man, I want a drive for that. A drive will make all my troubles go away. I can run that motor as slow as I want. Hey! Why is the motor so hot?
- What do you mean I need to ventilate the electrical room? Fix your electrical stuff. Why is it hot?
- What do you mean I can't put my chiller on the generator? That is what it is there for right?
- Two transfer switches? You electrical guys are just padding the job.

SPEAKER: Jeff Siddall LEL, CET

After running off to sea at 18, Marine Engineering Officer Wm Jeff Siddall left the Merchant Marine service and joined the land based world of Electrical Engineering as Technical Specialist in the service department of Federal Pioneer (Now Schneider Electric) a large Canadian manufacturer of electrical distribution, metering and control equipment. Jeff's career continued with positions with other manufacturer's and construction firms culminating in the position of Field Service Supervisor for Siemens Westinghouse Electrical Service, Ottawa Office. During this portion of his career, he was privileged to attend and obtain Certificates from McGill University's Executive Institute in Project Management, and Gustav Kaiser Training International in Management. Continuing to seek new challenges, he joined Wood Banani and Assoc. as an Electrical Designer/Project Manager in 2000. In this phase of his professional life, Jeff has advanced to the position of Department Manager Mechanical and Electrical Services at Morrison Hershfield's Ottawa Office and obtained his Limited Engineering License from the PEO. 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. He has consulted on biogas cogeneration and other alternative forms of electrical generation.

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/2716/index.php?m=eventSummary>

President's Message

Fellow ASHRAE members,

With the **ASHRAE** season officially underway, I'd like to start this month's message by thanking everyone who helped make our first meeting at the **Mill Street Pub** a fun networking event. We had some challenges with timing and acoustics but I must commend our speaker **Hank Jackson** for rolling with it and delivering a great presentation. Thank you to everyone for your patience and we hope to improve on these items going forward at our usual venue.

Thanks to **Ainsworth** for their donation to the monthly RP raffle and congratulations to **Chris Frauley**, winner of the 4 floor level **Redblacks** tickets. These raffles are an important part of us meeting our RP objectives and we appreciate any and all donations that are made.

We continue the year with this month's meeting returning to our regular venue, the **Centurion Center**. We look forward to outstanding food, and what promises to be an entertaining technical meeting as electrical engineer **Jeff Siddall** discusses electrical fundamentals in HVAC. See the

program description for more information.

Our theme this month is **Students**. Students are the future of our industry and our student activities committee is continuously working to facilitate exposure. Attendance at our program meetings gives students the opportunity to meet future employers, socialize with peers, and learn about HVAC related topics. I encourage everyone to take a few minutes to engage the students in conversation throughout the evening. I would also like to encourage **student sponsorship**. Please help us with this initiative if you are able.

As mentioned in my last message, it is the participation of numerous volunteers that makes our chapter so successful. We have a great team lined up for this year but if anyone is interested in helping out please see myself or another Chapter volunteer to find out how to get started.

To register for the **October** program meeting please go to our website at **www.ashrae.ottawa.on.ca** and select the October meeting link. If you haven't already done so, don't forget to purchase your meal plan.



President
Adam Graham
2017-2018
OVC President
HTS

E-mail: adam.graham@hts.com

Enjoy the first few weeks of fall (or should I say summer...), and I hope to see lots of familiar and new faces at the next meeting.

Sincerely,

Adam Graham
2017-2018 OVC President

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What You Missed

The first program meeting of the **2017/2018 ASHRAE** season was held at the **Mill Street Brew Pub** located at LeBreton Flats along the Ottawa River. The theme for the evening was Membership Promotion. The meeting was attended by sixty three guest, which consisted of fifty members, eleven guests and two students. The program for the evening was Overcoming Objections to Energy Efficiency Investments. The speaker was **Hank Jackson P.E.** who is an **ASHRAE Distinguished Lecturer** and Owner/Principle of ETech Solutions in North Carolina.

President **Adam Graham** called the meeting to order, thanked past-president **Abbey Saunders** for her contribution and introduced the Executive, Board of Governors and Chapter Volunteers. Secretary **Aaron Dobson** introduced the guests for the evening.

Celine Baribeau, membership promotion chair introduced the new members of the Ottawa Chapter. There has been an increase of 12 assigned members from previous year and already an increase of 19 new members for this chapter year. Celine also gave an overview of the membership in Ottawa and noted that Ottawa won the **Blue Ribbon** at **Montreal's CRC** for having the most Membership promotion points on the PAOE totals.

President **Adam Graham** provided a research promotion recap for the **2016-2017** chapter year. The Chapter raised **\$31,000** on a goal of **\$29,000**. The money raised for research promotion excludes the money being funded for the new **ASHRAE OVC scholarship** which will provide a scholarship of **\$3,000** to be awarded annually.

Dan Redmond, President-Elect and Research Promotion Chair, talked about the research promotion goal for this Chapter year which is an increase of **5%** from last year. Raffle tickets were sold to win four field Level **Redblack Tickets** that were generously donated by **Ainsworth**. A total of **\$582.37** was raised for **ASHRAE research**.

Joe Della Valle discussed YEA, including the leadership weekend, **LeaDRS** opportunity and upcoming chapter **YEA event** which will be held for the end of **October/early November**. Details to follow on the chapter YEA event (**Archery Tag**).

Peter Shaw-Wood talked about student activities and an event at **Queen's University** next month during the homecoming event which is going to promote ASHRAE and help bring awareness in hopes of starting a student chapter. He mentioned the new **Algonquin College** student chapter president and the student design competition at Algonquin.

Governor **Jacob Hough** reminded guests to register for the **Stroke Play Golf Tournament** on **September 29th**.

Stephane Charbonneau from **HTS** and **Phil Owens** from **Alerton** discussed their table top of **HTS Controls**. Alerton is a manufacturer of building automation systems and HTS is the local representative. A live demo was provided.

President **Adam Graham** invited **Michael** from **Enbridge** to discuss Enbridge's energy efficiency program. Enbridge is an energy solution consultant and gas utility in Ottawa which serves the Industrial, Commercial, Institution and University sector.

Dinner was choice of Exotic Mushroom Bisque or Caesar Salad or Market Garden Salad for starter. Chicken Supreme or Rainbow Trout or Braised Port Steak for main and Apple Cobbler or Dolce Vita for dessert

President **Adam Graham** announced program topic and introduced the speaker, **ASHRAE DL Hank Jackson P.E.** Hank Jackson has been a member of **ASHRAE** since **1983** and Owner and Principle of **ETech Solution** since **1997**.

The presentation discussed the objections of business owners toward **investments in energy efficient products and services** which included **audience interaction through group exercise**.



Secretary
Aaron Dobson
2017-2018
OVC Secretary
Ainsworth

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Hank discussed from a financial standpoint, the fundamental concepts and the understanding and ability to address the psychology and motives. The group exercise required feedback on their experience on why energy efficiency projects can't get off the ground, frustration with trying to implement the projects and reasons for not investing in energy efficient technology. The responses included:

- "ROI does not work out"
- "Energy efficiency projects are foreign to them"
- "Uncertainty of the results/will it work"
- "We do not have the money",
- "Owner does not care/is not motivated"

The **most common objections** Hank mentioned were:

- "I can't afford it"
- "Will I save money?"
- "Who else does this?"
- "I don't own the building so the Owner should make the investment".

The incentives to invest were discussed based on the carrot or stick scenario. The carrot which is an increase to bottom line, tax credits/deductions, technical assistance and financial assistance from utility or government and green energy purchase options. The stick being higher energy prices, environment impact/costs, shortages/brown outs and reduction of profitability/productivity. **Hank** talked about why the utility companies would offer money for something you should do. This discussion included **local incentives available from utilities in Ottawa**.

The main thing that **Hank** emphasized on was the short comings of using first cost / simple payback analysis. The other financial factors he suggested be considered in the analysis is the net present

value, rate of return, life cycle costs/obsolescence, tax effects, do nothing alternative, occupancy rates (for hospitality), tenant lease renewal, maintenance costs. The review of financial calculation should include the above factors and not just using simple payback.

Using the different financial considerations, **Hank** went through a **case study** for a hotel with PTAC units to be replaced. The factors considered in the case study were the life expectancy of the PTAC units (ASHRAE manual states 15 years), the energy cost, kwh savings, installed cost, the obsolescence of the existing units which he assigned a value for days not working, increased maintenance cost and frame of reference based on the understanding of their business and problems. Other financing

mechanisms were discussed such as performance contracts and their objections such as afraid of change, do not understand process, inconvenient, lost revenue during construction, fear of failure / bad investment. The psychology of investment decisions from a **BOMA survey** had **5 key hurdles** with cost being number one at **45%**, then aesthetics, payback, comfort and experience following behind.

The **second group exercise** asked the groups what were two **non-financial hurdles** to energy efficiency investments. The discussion around this exercise included the responses of psychology (client's viewpoints, motivators, planting ideas to influence growth, trust), I do not have the time (technical experience is non-existent, business forced to streamline

operations and maintenance), Boardroom vs boiler room (technical talk does not sell, be conservative with energy savings, know what metrics are important, have audience with people who control the money) and timing is everything (every business has a budget cycle, projects presented after fiscal year have low chance and risk of being forgotten).

President **Adam Graham** thanked **Hank Jackson** and reminded all attendees of the survey. Next meeting **October 17th** at the Centurion Conference and Event Center. Meeting adjourned at 21:06.

All chapter meeting pictures and videos are posted online. Visit **www.ashrae.ottawa.on.ca** and search under the Chapter year for links.

CRC 2017 Recap

The **2017 Region II Chapter Regional Conference (CRC)** was hosted this year by the **ASHRAE Montreal Chapter** in Montreal, QC between **August 26th** and **28th**. The CRC is a meeting of the chapters within the region to discuss regional business as well as to meet and collaborate on ASHRAE matters.

Region II includes all Canadian ASHRAE chapters East of Manitoba and each chapter sends representatives to ensure a productive conference.

This year, the following people attended from the **Ottawa Valley Chapter**:

- President **Adam Graham** (CRC Delegate)
- President-Elect **Daniel Redmond** (CRC Alternate and Research Promotion Chair)
- **Graham Falt** (Program Committee Chair and CTTC Co-Chair)

- **Celine Baribeau** (Membership Promotion Chair)
- **Ryan Dickinson** (History Chair, Capital Communication Chair)
- **Richard Cameron** (Grassroots Government Affairs Committee Chair)
- **Darryl Boyce** (President of ASHRAE Research Canada, Society Treasurer)

It was a great CRC that included meetings and workshops to facilitate improved chapter and regional operations. The **Ottawa Valley Chapter** was presented with several awards during the **Awards Luncheon** including:

- **PAOE Star Award Special Citation**
- **PAOE Honor Roll & Gold Star**
- **Hayward Murray Region II RP Award**
- **RP Full Circle Chevron**
- **RP Gold Treasury Ribbon & Special Citation**
- **MP Award**



President Adam Graham
2017-2018
OVC President
HTS

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While the event was focused on the business and operations side of ASHRAE, the attendees did also have some time to relax and get to know the other ASHRAE volunteers during the Saturday night dinner and wine pairing.

Sincerely,

Adam Graham
2017-2018 OVC President

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News Update

Registration Opens for the 2018 ASHRAE Winter Conference

ATLANTA – ASHRAE is pleased to announce registration is now open for its **2018 Winter Conference**, to be held in **Chicago, Ill., Jan. 20-24**, at the **Palmer House Hilton**. Registration is also open for the **AHR Expo, Jan. 22-24** at **McCormick Place**, co-sponsored by **ASHRAE** and the **Air-Conditioning, Heating, and Refrigeration Institute (AHRI)**.

The **ASHRAE Winter Conference** features eight conference tracks, tours, social events and a keynote message from **Debbie Sterling**, Founder and CEO of GoldieBlox.

Attendees will examine the latest topics in the building industry, through a technical program featuring more than **200 presentations** and **300 speakers**.

"Engineers and designers continue to adopt design principles to reduce the ecological impact of our built environment on the world around us. It has practically become second nature," says **Michael Collarin**, **technical program chair** of the **ASHRAE Winter Conference**. "This conference provides professionals with an unparalleled opportunity to

focus on the design, build, control, commission, operating facilities and infrastructure resources that they need, not only to be efficient, but resilient."

The conference includes tracks on what ASHRAE is most known for – standards, fundamentals and applications, systems and equipment. Tracks on industry trends in resiliency and modeling throughout a building's life cycle, as well as tracks addressing specific disciplines, such as tall buildings and heat exchange equipment are also on the agenda.

Technical Program tracks include 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.

ASHRAE Learning Institute (ALI) will offer **two full-day**, and **five half-day seminars** during the conference. Courses include: The Commissioning Process in New & Existing Buildings; High-Performance Building Design: Applications & Future Trends; Variable Refrigerant Flow Systems: Design & Application; and 78 Designing Toward Net-Zero



Governor Jacob Hough
2017-2018 Program Committee Chair
Total HVAC

E-mail: jacobh@totalhvac.com
Energy Commercial Buildings.

- 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
 - Humidity Control I and II: Principles & Applications

Visit **ASHRAE Learning Institute (ALI) Courses** for a full list of conference course offerings.

Those interested in sitting for one of **six ASHRAE certification exams** must apply by **Dec. 20**. The exams include: Energy Assessment, Energy Modeling, Commissioning, Healthcare Facility Design, High-Performance Building Design and Building Operations.

Learn more and apply at: www.ashrae.org/certification.

ASHRAE

2018 ASHRAE Winter Conference
Chicago, Illinois ★★★★★ January 20–24
AHR Expo ★ McCormick Place ★ January 22–24

The **AHR Expo** hosts more than 2,000 exhibitors and attracts crowds of 65,000 industry professionals from every state in America and 165 countries worldwide during the three-day exhibit.

There are three distinct product sections within the expo show floor:

- **The Building Automation and Control Showcase:** This area is designated for building automation, energy and facility management systems; climate controls; monitoring systems; wireless and cloud-based options; and other networked building systems including lighting, security, fire alarms, and more.

- **The Software Center:** This area is designated for HVACR related software, both off-the-shelf and customized solutions, for the following: project and field service management including estimating, inventory control, GPS tracking; system design, specification and analysis; remote-based and cloud-based software; and more.

- **The Indoor Air Quality Association Pavilion:** This area is designated for member companies of the Indoor Air Quality Association. These exhibitors will be showing products related to indoor air quality, such as air quality monitors, exhaust fans, environmental testing systems, dehumidifiers and more.

In addition to exhibitor presentations, demonstrations and seminars, the **AHR Expo Innovation Awards** will honor the most inventive and original products, systems and technologies showcased at the Expo. A **Refrigerant mini-track and a Residential mini-track** will also be presented on Monday, Jan. 22 at **McCormick Place**. ASHRAE Winter Conference registrants will have full access to the AHR Expo with a conference badge.

Take advantage of **early bird registration savings**. For complete conference and expo information, **visit the 2018 ASHRAE Winter Conference and the AHR Expo websites**.

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>

ASHRAE Releases New Edition of Principles Of HVAC Textbook

ATLANTA – ASHRAE has released an updated eighth edition of **Principles of Heating, Ventilating and Air Conditioning**. The textbook is ASHRAE's recommended text for HVAC instruction and presents the **fundamental concepts for HVAC systems and design**. It is available now in the **ASHRAE Bookstore**.

The **eighth edition** has been updated to reflect the changes made in the new **2017 ASHRAE Handbook – Fundamentals**, and contains the most current ASHRAE procedures, as well as information on the treatment of building HVAC systems – from basic principles through design and operation. The **previous edition** was published in 2013.

The textbook is divided into three major sections, including general concepts, air conditioning systems and HVAC&R equipment.

Several noteworthy changes were made in the Principles of Heating, Ventilating and Air Conditioning, Eighth Edition. These include:

- New values for climatic design information
- Updated system design and equipment section to reflect recent changes and concepts in contemporary heating and air-conditioning system practices
- Revised design data and updated content throughout the textbook for stronger continuity with the 2017 ASHRAE Handbook – Fundamentals to reflect current industry practice and needs

For more information and to purchase Principles of Heating, Ventilating and Air Conditioning, Eighth Edition, please visit the ASHRAE Bookstore.

ASHRAE And AFS Strengthen Partnership with Signing of New MoU Agreement

ATLANTA – **ASHRAE** and the **American Filtration and Separations Society (AFS)** have signed a new **Memorandum of Understanding (MoU)** formalizing the organizations' relationship.

The MoU was signed by 2016-2017 ASHRAE President **Tim Wentz** and AFS Chair **Dr. Christine Sun** as part of the **ASHRAE Annual Conference** in **Long Beach, Calif.** on **June 26**. The agreement defines parameters on how the two societies will collaborate more closely to continue furthering and promoting the advancements of cooling and heating related industries.

These include but are not limited to: general advocacy; research; technical committee coordination; joint conferences and meetings; training and education programs; publication distribution and chapter collaboration.

"**AFS** has a strong commitment to harnessing and adapting new technologies and research to create a future where the built environment is healthier, more comfortable and more energy efficient," says **Wentz**. "That dedication not only makes **AFS** a natural fit as an **ASHRAE strategic partner**, but it also empowers both societies' members to continue striving toward a more sustainable world. I am pleased to sign this MoU on ASHRAE's behalf and look forward to working with **AFS**."

"Filtration is the technology that allows individuals, industries and society to take great leaps forward in an ever-evolving, clean and sustainable world," says **Sun**. "HVAC is a key market segment in filtration. We are honored and excited to have such an opportunity to work together with ASHRAE to promote education, networking and new technologies for a cleaner and greener indoor environment."

About AFS

Founded in 1987, the **American Filtration & Separations Society (AFS)** is a technical educational nonprofit organization that provides a forum for exchange of information among engineers, scientists, and technologists in all areas of the fluid/particle separation field. To learn more about AFS, visit **www.afssociety.org**.

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.

Thank you to all who contributed to the **2016-2017** campaign led by **Adam Graham**. The campaign was a resounding success and a formal donor recognition night is planned for the November program meeting, to be held on **November 21, 2017**.

I am pleased to be leading the charge this year as we try to continue the success we have had in the Ottawa area. The goal this year for the **Ottawa Valley Chapter** is **\$30,100** which is a considerable increase over last year's goal;

however, I believe this goal is achievable. Our community has worked hard to meet the goals in the past and I am looking forward to a strong campaign this year.

Raffle draws will continue at the **2017-2018** program meeting. The tickets graciously donated by **Ainsworth** raised **\$582.37** (including currency conversion from Euros to Canadian Dollars) towards this year's campaign. Thank you very much **Ainsworth** for donating the tickets and congratulations to **Chris Frauley** who was the lucky winner of four tickets to the **September 29th Ottawa Redblacks** game.

A list of current **2017-2018** RP Campaign donors will be updated for each monthly newsletter, so donate quickly to see your 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.

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.



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

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

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Sales Manager - HVAC Systems

Ingersoll Rand

Stroke Play Golf Tournament

The **2017 ASHRAE OVC Stroke Play Golf Tournament** was held this year at **Loch March Golf Club**. It was a perfect fall day and the course was in very good condition. Congratulations go to **Patrick Goodhue** with **Modern Niagara**, who was crowned champion with a

score of **76**, the lowest yet in the event's history. The continued success of the tournament means we will continue to hold it next year. You have **12 months** to sharpen your game!

See you all next year.



Committee Chair
Steve Moons
2017-2018
Special Events
Total HVAC

E-mail: stevem@totalhvac.com

Bowling Social

Ladies and Gentlemen,

It's time again for the **ASHRAE Bowling Social!** This year it will be held on **Wednesday November 22nd** at the **Merivale Bowling Center** (1916 Merivale Rd., Ottawa, www.merivalebowlingcentre.com).

Registration will be available through an online link that will be posted soon. The format will be **three games** with 4 people per lane. **7:00pm** start. Please show up at **6:30pm** to register.

The entry fee is **\$200** per foursome, or **\$60** per individual. The entry fee

includes warm-up, 3 games, shoe rental and plenty of nachos/wings/pizza. Individual participants will be assigned into groups of four.

This is intended to be a social event to promote the camaraderie and fellowship of **ASHRAE**, please consider attending. Numbers need to be finalized by the **second week of November**, so please register early.

If you have any questions, or need more information, please don't hesitate to contact me. Payment can be made during the online registration.



Governor
Adam Moons
2017-2018
Bowling Chair
Master Group

E-mail: amoons@master.ca

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

Table Top Display

GET YOUR OCTOBER MEETING TABLE TOP BEFORE SPACE RUNS OUT!!

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 starting to reserve table-top openings for the upcoming ASHRAE year.

Please contact **David Michelin** (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

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>

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

Membership Update

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

Andrew Young
Pearl Namutosi
Ashkan Taheripour
Matthew Turcotte
Michael Callaghan
Mohammed Khai
Tomas Regli

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

YEA

Hi OVC!

Our first social event of the year will be **Archery Tag** near the end of **October**. I will be sending out an invitation to all members through the chapter website with more event information once the details are confirmed.

Thanks for your continued support!

Joe Della Valle



Committee Chair
Joe Della Valle
2017-2018
OVC YEA Chair
Walmar Ventilation

E-mail: joedellavalle@walmar.net

Student Activities

Hi All,

September, being the start of the school year brought a pile of activities from our chapter and student members! One of our local chapter members **Matt Edmonds**, took the time to speak with a JK class about the wonders of science and technology – who doesn't enjoy the old Mentos in diet coke trick? Awesome!



We also had our **UOttawa** Student president, **Elizabeth Primeau** organize a kickoff meet & greet for the students – great to see everyone out!

Over at **Carleton U** – **Adrienne Mitani** met with Carleton Chapter President **Max St Jacques** to talk to Carleton students about ASHRAE.

Algonquin College saw their new Student Chapter president rise up and take the reign of the new position. This Gentleman, **Michael Callaghan**, will be the face of the OVC to his colleagues over at the college and I couldn't imagine a better person for the job.

For the month of October, we'll be making a good presence at **Queen's**



Committee Chair
Peter Shaw-Wood
2017-2018
OVC Student Activities
Chair
Alscott Air Systems Limited

E-mail: pshaw-wood@alscott.ca

U in the form of an Info-Session on **Oct 12th** – details will be posted on the OVC website. For **October 14th**, during homecoming ASHRAE will have one of our own (**Steve Moons**) present on their alumni panel representing us and the HVAC industry. Thanks **Samantha Eby** and **Hannah Cameron** for organizing!

All the best,

Peter Shaw-Wood
OVC Student Activities Chair



Sylvain Chenier, P. Eng., ing.,
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Vice President - Mechanical
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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 **Chris Fudge** (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/1774/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/1776/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



Treasurer
Chris Fudge
2017-2018
OVC Treasurer
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Publicity
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2017-2018 Publicity
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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

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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