



ASHRAE Ottawa Valley Chapter

DATE: Tuesday September 17, 2019
Social: 17:30, Dinner: 18:30, Program: 20:00

LOCATION: Mill Street Brewery
555 Wellington St, Ottawa, ON K1R 1C5

THEME: Membership

PROGRAM: BACnet for Engineers

BACnet (ASHRAE 135) has been available for over 25 years. It has evolved over time and has become the defacto standard for almost all **Building Management System** specifications. Despite its longevity and popularity, there are many misconceptions as to what **BACnet** is and what it is not. This session provides a primer on the basics of the **BACnet standard**, it's history, a discussion on **interoperability** as well as specific items that could be added to a **Controls Specification**.

SPEAKER: Michael Colicchio, Eng., LEED Green Associate
Building Automation Solutions Specialist

Michael Colicchio's role as part of **Schneider Electric's Digital Buildings** team is to help **consulting engineers** and **customers** design **intelligent integrated buildings** using **EcoStruxure**.

Michael graduated from **McGill University** in **Montreal** in **December 2002** with a **Bachelor of Mechanical Engineering** and has been in **HVAC** and **controls** for over **16** years. He began his career in **2003** as a **technical consultant** for a **HVAC** equipment wholesaler and in **2008**, he took the opportunity to lead Canadian sales and applications for a **Montreal** manufacturer of communicating room controllers called **Viconics Electronics**. **Viconics** was then acquired by **Schneider Electric** in **2011** where **Michael** has been working on **intelligent connected buildings** across **Canada** ever since.

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
Past President:	\$0.00	Past President Companion:	\$0.00

<https://ashraeottawa.simplesignup.ca/en/4020/index.php?m=eventsList>

President's Message

With the 2019-2020 **ASHRAE** chapter year underway and our first chapter meeting of the year almost here, I would like to thank our team of volunteers who have contributed their time over the summer to help prepare our chapter for another successful year. We are excited to share with you what we have been planning for the year so stay tuned for updates in our monthly **communiqué** and on the **website**. Our first meeting of the year will be held at the **Mill Street Brewery**, and the remainder of the meetings will be held at our usual location at the **Centurion Conference Centre**.

Our theme this month is **Membership** and we are excited to have **Michael Collichio, Eng.**, join us from **Montreal**. Michael is a

Building Automation System Specialist for **Schneider Electric** who will be speaking to our chapter about **BACnet (ASHRAE Standard 135)** with his presentation titled "**BACnet for Engineers**".

It has been great to see the excitement in our chapter with new and returning volunteers with a passion to make our chapter successful. If anyone is interested in helping out please see myself or another chapter volunteer to find out how to get started. We are always looking for volunteers to help Chapter Chairs or assist with Chapter involvement such as **student design competitions, regional science fair, career fair, Government outreach days, K-12 STEM events**



President
Aaron Dobson
2019-2020
OVC President
Ainsworth

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etc.

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

Thank you and I look forward to seeing you soon!

Membership Update

I hope everyone had a wonderful summer off. As is ever year the theme for the first meeting is **membership**. We have a full lineup so I expect to see everyone out. Each and every year we continue to grow. Last year we met our chapter goals on new members plus retention. Lets make a push for the same results this year. Everyone can do their part by speaking with colleagues and friends in related fields about **ASHRAE**. The larger we grow our **chapter** the more we can offer. If

you have any questions on membership or ways to get involved don't hesitate to reach out to me. See you on **September 17th**.

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

Alexander Campbell Arroyas
Selmaan Qureshi
Alison Diane Bell



Membership Promotion
Andrew Brown
2019-2020
OVC Membership Committee
Master Group

E-mail: aabrown@master.ca

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Student Activities

Hello again **OVC** and students! I hope you are ready for a great year of **student activities**. We are looking forward to getting together another **Student Design Competition** team. If you are interested in participating as a student or as a mentor, please contact me.

Our goals for this year are to continue to reach out to **Kindergarden-to-12** students and strengthening our **Post-High** level

branches. We will be visiting **elementary** and **secondary** schools to inform students of the potential in **STEM** and of course the **HVAC** industry. We will also be bringing university and college students to the **Chapter Program Meetings** to continue their integration into the **HVAC** community.

I hope to see you all soon for what I am sure will be an exciting year for **ASHRAE** in **Ottawa!**"



Student Activities
Elizabeth Primeau
2019-2020
OVC Student Activities
TOTAL HVAC

E-mail: elizabethp@totalhvac.com

ASHRAE Table Top Displays

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.

This **ASHRAE** season is going to be the best and busiest one yet! Book your display today to get a chance to

show off your stuff!

Please contact **David Michelin** (david.michelin@hts.com) to secure yours today!

Cost for a table-top is **\$225**.

Payment is to be made through the online system prior to the date reserved. Follow the link below:



Table Tops
David Michelin
2019-2020
OVC Table Tops
HTS Engineering

E-mail: david.michelin@hts.com

<https://ashraeottawa.simplesignup.ca/en/3654/index.php?m=eventSummary>

<p>Rod Lancefield, P.Eng., LEED® AP Engineering Sales rod@htseng.com C 613.851.1997</p> <p>HTS Ottawa 1646 Woodward Dr. Ottawa, Ontario K2C 3R8 T 613.728.7400 Ext.221 F 613.728.8032 Toll Free 888.280.8544 ontario.htseng.com</p> 	<p>InAIR Environmental Ltd. Environmental Consultants Jimmy Chahwan VP</p> <p>T 613-722-5486 x 223 C 613-262-6293 F 613-722-2817</p> <p>jimmy.chahwan@inairenvironmental.ca www.inairenvironmental.ca</p> <p>InAIR Environmental Ltd Sister Company of Mirriton Ltd 200-1716 Woodward Dr. Ottawa, ON K2C 0P8</p>	<p>Jp2g Consultants Inc. Mark MacIsaac, P.Eng. Mechanical Team Lead</p> <p>1150 Morrison Drive, Suite 410 Ottawa, ON K2H 8S9 Tel.: 613.828.7800 x.213 Cell: 613.697.4721 Email: markm@jp2g.com</p> 
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CRC Wrap Up

The 2019 **Region II Chapter Regional Conference (CRC)** was hosted this year by the **ASHRAE Halifax Chapter** in **Halifax, Nova Scotia** between **August 23rd and 25th**. The **CRC** is a meeting of the 9 chapters within **Region 2** to discuss regional business as well as to meet and collaborate on **ASHRAE** matters. It is also an opportunity for volunteers to collaborate and share ideas to improve **Chapter Operations** as well as establish goals for the year. Region 2 includes **Windsor, London, Hamilton, Toronto, Ottawa, Montreal, Quebec City, New Brunswick-PEI, Halifax** and each chapter sends representatives to ensure a productive conference. This year, the following people were present to represent the Ottawa Valley Chapter:

- **Aaron Dobson** (President and CRC Delegate)
- **Adam Moons** (President-Elect, CRC Alternate and Research Promotion Chair)
- **Trevor Thomson** (CTTC Chair)
- **Zarna Kakadiya** (CTTC Program Chair)
- **Ryan Dickinson** (Chapter Historian and ECC Chair)
- **Elizabeth Primeau** (Student

Activities Chair)

- **Jordan Hansen** (YEA Chair)
- **Evans Mutua** (Communique Chair and 2021 Ottawa CRC Co-Chair)

Dan Redmond from the **Ottawa Valley Chapter** was also present as Region 2 Vice Chair for CTTC. Also, there was another new/old member of the **Ottawa Valley Chapter** – Past-President **Joel Primeau** (1999-2000). **Joel** has returned to the **Ottawa Valley Chapter** from **Quebec City**. Welcome back **Joel**!

The **CRC** included very full days of meetings and workshops to review, discuss and facilitate improvements to chapter and regional operations. The **Ottawa Valley Chapter** was presented with several awards to celebrate our successes in the 2018-19 year, including:

- **Chapter Operations** – **Special Citation Ribbon** (achieved minimum in **four** of **five** categories with a minimum of **5,000** points in total for all categories), **Honour Roll** (Achieved and received the PAOE award certificate and red emblems for achieving par in at least **four** categories for **four** prior consecutive years, **STAR Award Gold Pin** (PAR achieved in all categories)



President
Aaron Dobson
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- **Research Promotion** – **Goal Certificate** (Chapter achieving Research Promotion goal), **Treasury Ribbon** (Chapters making significant contributions to ASHRAE Research), **Endowment Chevron** (Chapter achieving Endowment goal), **Full Circle Chevron** (Chapter Executive and BOG making \$100 individual donation to ASHRAE Research)
- **Student Activities** – **K-12 STEM Award (1st Year)** for organizing event with Earl of March S.S., **Best Student Branch Award** – **Carleton U**

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 Friday and Saturday evening **social events**.



ASHRAE Seminar

**Program
Chair**
Zarna Kakadiya
2019-2020
OVC Program Chair
Master Group

DATE: Wednesday October 16, 2019

LOCATION: Master Group
25 Northside Rd, Nepean, ON K2H 8S1

TOPIC: FUNDAMENTALS OF AIR SYSTEM DESIGN

E-mail: zkakadiya@master.ca

SUMMARY:

Welcome to **Ottawa Valley Chapter** season 2019-2020. This year we are coming up with an amazing seminar topic and speaker **Ryan MacGillivray** from **Saskatoon**. To focus on individual goal, it is very vital to gain comprehensive knowledge of **HVAC** that reflect on business directly or indirectly. This is a great opportunity to develop an understanding of the fundamentals of **air system design**.

This **seminar** will help develop an understanding of the basics of **air movement**; the components of **air distribution systems**; considerations of **human comfort**; **load** and **occupancy demand**; **duct system design**; **sound** and **vibration**; and how **codes** and **standards** affect the **design** of **air systems**. After completing the course, you should know:

- The functions of the components of an air distribution system, including major equipment types and auxiliary components.
- The principles of air distribution as they relate to human comfort.
- The principal codes and standards affecting air system design.
- How to layout and size a simple duct system and calculate pressure losses in the system.
- Common methods for reducing airborne sounds in systems and
- How to start an air system and diagnose common problems associated with air system start-up.

SPEAKER: Ryan M. MacGillivray, M.Sc., P.Eng.

SPEAKER BIO:

Ryan MacGillivray is the **Secretary-Treasurer**, and a **Principal Engineer** at the mechanical consulting firm **Daniels-Wingerak Engineering Ltd.**, in **Saskatoon**. The firm specializes in mechanical system design for commercial and institutional buildings, including the **Children's Hospital of Saskatchewan**, office buildings, nursing homes, and university buildings. Systems include building heating, ventilation and air conditioning (HVAC), controls, fire protection, plumbing and medical gas. Prior to joining **Daniels-Wingerak Engineering** in 2002, **Ryan** was a **Research Assistant** and **Sessional Lecturer** at the **University of Saskatchewan**, where he received his **B.E** and **M.Sc.** degrees in **Mechanical Engineering** in 1999 and 2005. He has been registered as a **Professional Engineer** in **Saskatchewan** since 2005, with **Permission to Consult** since 2011. **Ryan** is also licensed to practice in **Alberta** with **APEGA** and maintains the corporate **Permit to Practice** as **Responsible Member**. **Ryan** has been active with the **ASHRAE Saskatoon Board of Governors** since 2003, including **president** in 2008-09. He is currently serving as the **Saskatoon Chapter Membership Promotion Chair**. In addition, **Ryan** was on the **Region XI** regional executive as **Regional Vice-Chair (Research Promotion)**, and helped organize the **2016 Chapter's Regional Conference** as **General Chair**. **Ryan** is also currently the chair of the **APEGS Professional Practice Exam Committee** (which oversees the Law and Ethics Seminar), and serves on the **Governance Board**, and the **Registrar's Advisory Committee**. **Ryan** and his wife, **Margaret**, have three school-aged children, and they all enjoy **golf** and **camping**.

*Hope you all are enjoying the last bit of **summer!** **Fall** is just around the corner, and it is time to welcome you all to the wonderful **Ottawa Valley Chapter** season 2019-2020. I would like to introduce myself as **Program Chair** of **Ottawa Valley Chapter** for the first time and its great pleasure to participate with amazing team of this year. Focused on people's survey, we are coming with fantastic **speakers** specializes in the design and development of **HVAC** as well as from diverse sectors. I hope our structure of this season cultivated **career growth** and provides **opportunities** as unique as you are.
Looking forward to see you all in first meeting!*

Smith + Andersen

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YEA

I hope everyone had a great summer. I am excited to be back this year as your **YEA** chair.

This year I hope to continue building on **YEA** participation with **social events** – while also adding some **technical elements** to the events. If you are interested in helping with **YEA** activities please feel free to reach out and we can add you to the committee.

We received very good feedback

from the **axe throwing** and **archery tag**, these two events will be included again this year. We are looking at going to another **sporting event** this year as our first event – the details are currently being finalized.

As we did last year, we will be looking for sponsors for the various **YEA** events in an effort to increase **YEA** participation. If you are interested in sponsoring an event please get in contact with me and I can provide



Governor
Jordan Hansesn
2019-2020
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E-mail: jhansen@gwal.com
further information.

Looking forward to another great year!

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, project management, property development & ownership, equipment sales & 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

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email us at info@ciph.com

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



Treasurer
Adrienne Mitani
2019-2020
OVC Treasurer
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Publicity
Rod Lancefield
2019-2020 Publicity
Committee Co-Chair
HTS Engineering Ltd.

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2019-2020

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