



President's Message

Our environment has changed quickly, at home, in our workplace and community. It has been challenging to be physically separated from our fellow members, who are also co-workers, peers and friends. This will change the way we live and work and how our Chapter operates. I would like to thank all our volunteers for their dedication in continuing to support our Chapter. We are faced with a lot of questions on how we maintain our Chapter operations during this time and moving forward. We are being cautious and patient while following the advice of Ottawa Public Health to increase our practice of social distancing to limit Covid-19 transmission in our community. Ottawa and Ontario have made an order in declaring an emergency to help contain the spread of Covid-19 and protect the public. As a result of the developments and recommendations made by the authorities, the Chapter has made the decision to cancel the April Chapter meeting. We will be following the orders and adhere to the timelines that are in place for Ontario which will determine the outcome for our last Chapter meeting of the year which is scheduled for Tuesday May 19th. In the event the province extends the current order date, we are looking into different options for the May meeting such as postponing the meeting to an appropriate date or providing an online format for the meeting. The annual golf tournament has been rescheduled from June to August 18, 2020.

The Chapter Officers continue to work through our operational requirements to service our membership to ensure the continued success of our Chapter. Nominations are still open and will close on April 21st, 2020. If a member wishes to nominate themselves or another member, please contact Steve Moons



President
Aaron Dobson
2019-2020
OVC President
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(stevem@totalhvac.com). Once the nominations have closed, an announcement will be made for the 2020-2021 Chapter Executive and Board of Governors. Please visit our website for updates.

From ASHRAE Society, the following are a few announcements made in the midst of the Covid-19 pandemic.

- The 2020 ASHRAE Annual Conference and concurrent committee meetings will no longer take place in Austin June 27 – July 1. Instead, ASHRAE will be hosting a Virtual Conference, presenting the business meetings, technical program and Society updates in a new and convenient virtual format.
- ashrae.org/covid19 is an online compilation of over 50 free resources related specifically to combating the spread of COVID-19. Available resources include ASHRAE Journal papers, Handbook chapters, ASHRAE standards and guidelines, conference seminars and much more. This page is updated regularly—check back as additional information becomes available.
- The ASHRAE Epidemic Task Force has been established to help deploy ASHRAE's

technical resources to address the challenges of the current pandemic and future epidemics as it relates to the effects of heating, ventilation and air-conditioning systems on disease transmission in healthcare facilities, the workplace, home, public and recreational environments. The primary role of the task force is to maintain communication with members, industry partners, building owners, facility operators, government agencies and the general public.

The ASHRAE Learning Institute developed this free online course to help address the coronavirus disease in the operation and maintenance of healthcare HVAC systems. This presentation by 2013-14 ASHRAE Presidential Member and chair of the ASHRAE Epidemic Task Force William Bahnfleth, Ph.D., P.E., provides an overview of ultraviolet germicidal irradiation (UVGI) to reduce risk of infectious disease transmission by inactivating pathogens in the air and on surfaces. The course is FREE to everyone, although registration is required.

while in isolation. To make things a little easier during this difficult time, we are offering members free access to ASHRAE Handbook Online. This powerful tool offers access from any device to the complete four-volume set of ASHRAE Handbooks - nearly 4,000 pages of expert technical guidance along with sound and video clips, spreadsheets and other supplemental resources. Free member access will be available through June 30th.

- Free Instructor-Led Course: Reducing Infectious Disease Transmission with UVGI on April 21, 2020 9:00 AM - 10:00 AM EDT

- ASHRAE's top priority is the public's health and safety and we recognize that many of our members must continue to work

Please take care of yourself and your families during this time.

Aaron Dobson - Ainsworth
2019-2020 OVC President

Membership Update

Greetings Everyone,

I hope you are all safe and sound in these trying times. Unfortunately we have not been able to connect via our normal means, but don't hesitate to reach out to me if you need anything.

Now might be a chance to log into your ASHRAE account and review your personal information and update anything that may be old

information. If you are looking for training material to review while away from work I know a few good resources. I wish you and your families all the best. Stay safe! I would like to introduce and welcome the following new members:

Catherine Goubko
Sarah Nikkel
George Kuzmanovic
Jeffery Brunet



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What You Missed

The February program meeting of the 2019/2020 ASHRAE season was held at the Centurion Conference Event Center on Colonnade Road, and the theme for the evening was Chapter Technology Transfer Committee (CTTC). The meeting was attended by fifty-two guests, which consisted of thirty members, twelve guests and ten students. The program for the evening was Wastewater Energy Transfer, presented by Stephen Condie of Noventa. A tech session was delivered by Joel Primeau on Psychrometrics before the meeting. Joel will be presenting several tech sessions in this upcoming ASHRAE year.

President Aaron Dobson called the meeting to order. Aaron introduced the Executive and Board of Governors. Secretary Ryan Dickinson introduced the guests for the evening and welcomed two new members to the Chapter.

Adrienne Mitani, Chapter Treasurer, talked about the upcoming Women in ASHRAE social event, sponsored by Lar-Mex, taking place at the Clocktower Brew Pub on March 4th. The upcoming ASHRAE Student Career Fair will be taking place at Carleton University in Fenn Lounge on March 10th. There are currently 16 booths registered.

Trevor Thomson, CTTC Chair, talked about the Chapter Technology Transfer Committee, the Distinguished Lecturer (DL) program, the ASHRAE Technology Awards and the ASHRAE Tech Hour. The chapter deadline for the

Technology Awards is March 31st, and May 22nd is the deadline for regional submissions. Our last DL for the year will be Past Society President Tom Phoenix on April 21st.

Adam Moons, President-Elect and Research Promotion Chair, mentioned that the Chapter has presently raised over \$17,000 towards Research Promotion and the campaign committee will be reaching out to past donors and organizations to help us reach our annual goal.

President Aaron Dobson spoke about upcoming events including the OCA Trade Show, the YEA Learn to Curl event, and the Curling Bonspiel.

Dinner was spinach salad with strawberries and feta cheese, roast top sirloin of beef with mushroom brandy sauce, mashed potatoes and seasonal vegetables, and tuxedo mousse cake served for dessert.

Raffle tickets were sold to win two tickets to the upcoming Ottawa Senators vs Winnipeg Jets game on February 20th, donated by JL Richards. A total of \$500 was raised for ASHRAE research. John Naef was the lucky winner of the tickets.

President Aaron Dobson announced the program topic for the evening, Wastewater Energy Transfer, and introduced the speaker, Stephen Condie, Chief Technology Officer at Noventa Energy.

Buildings are one of the largest contributors to global warming



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accounting for almost 30% of all CO2 emissions in North America. Most governments and policies are moving towards a zero carbon strategy. Wastewater Energy Transfer can reduce CO2 emissions by extracting heat from sewers for heating, or rejecting heat to sewers for cooling.

There are 168 billion liters of waste water each day being dumped down the drain. If you increase or decrease that by 1 degree, that translates to 350 billion kWh of thermal energy. That's enough energy to supply the U.S. for 1.5 months.

Typical building systems with a chiller and cooling tower will have a design temperature of 40°C/104°F, as the temperature climbs it affects the COP (typically 3.8-4.2). Other costs are water, chemicals, and maintenance (open loop system). When waste water energy transfer is integrated, it removes the cooling tower component (assuming taking on 100% of the building load), and ties into the sewer to replace cooling tower. On the heating side, a boiler burning natural gas will produce high CO2 emissions with 75-80% boiler efficiency. When using waste water energy transfer using a heat

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pump (replacing the chiller), the wastewater system can now do both heating and cooling. Sanitary temperatures are typically between 18-22°C/64-72°F year round. Sanitary sewers are preferred over combined and storm due to the uniform and consistent water temperatures found in sanitary. Storm temperatures vary due to rain water and snow melt run off and have intermittent flow, while sanitary is constant and predictable. Sanitary trunks (2.5-5ft diameter) and interceptors (5-15ft diameter that take wastewater to treatment plants) are better for wastewater energy transfer compared to local sewers and mains.

Benefits of wastewater energy transfer include ideal sewer temperatures, reduced lift requirements for heat pumps, improved system performance that pushes COP from 4 up to 6-7, predictable flow rates, GHG emissions reductions from offsetting burning of natural gas.

One of the main challenges is solids handling that clog up any sort of

pump in the system. When dealing with larger pipes, (trunks and interceptors), there is much larger debris such as bricks, 2x4's, that are very detrimental to pumps. The other challenge is biofouling that grows on heat exchanger. For a plate-frame heat exchanger, a 1mm thick biofilm will reduce energy transfer by over 45%.

Newer technology uses a wet well down the side of the sewer with a gravity feed and a screen basket. Solids retained by the screen are transported up by an auger and then returned to the sewer. Brown water is then pumped through the shell and tube heat exchanger. Pump life expectancy is 10 years compared to 3-5 years without filtering the solids first. Condenser water flows through the tubes, while the brown water is outside of the tubes. The system is similar to an open loop geo-exchange system, but replacing the aquifer with a sewer line.

Stephen reviewed a case study from Germany scaled to Ontario weather data with 350,000SF of floor area, 1,830 full load hours of cooling, and

1,800 full load hours of heating. With a typical building system consisting of gas-fired heating and a chiller and cooling tower, the annual energy use would be approximately 7 million kWh or 1,000 tonnes of CO2, with the cooling tower losing 18,000 cubic meters of water to evaporation. With a wastewater heat transfer systems, the annual energy use is reduced to 2.6 million kWh and 124 tonnes of CO2, and less than 100 cubic meters of water needed to top up the condenser loop between the heat exchanger and heat pump. That represents a 62% reduction in electricity and gas use, 88% reduction in GHG emissions, and 100% reduction in water consumption.

President Aaron Dobson thanked Stephen Condie and reminded attendees of the survey which will be emailed. The next meeting is scheduled for Tuesday March 24th at the Centurion Conference and Event Center.



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News Update

ASHRAE Resources Available to Address COVID-19 Concerns

ATLANTA (February 27, 2020) – ASHRAE, a global society advancing human well-being through sustainable technology for the built environment, has developed proactive guidance to help address coronavirus disease 2019 (COVID-19) concerns with respect to the operation and maintenance of heating, ventilating and air-conditioning systems.

The ASHRAE COVID-19 Preparedness Resources webpage, ashrae.org/COVID19, provides easily accessible resources from ASHRAE to building industry professionals.

“The recent escalation in the spread of coronavirus disease 2019 is alarming on a global scale,” said 2019-20 ASHRAE President Darryl K. Boyce, P.Eng. “While ASHRAE supports expanded research to fully understand how coronavirus is transmitted, we know that healthy buildings are a part of the solution. ASHRAE’s COVID-19 Preparedness Resources are available as guidance to building owners, operators and engineers on how to best protect occupants from exposure to the virus, in particular in relation to airborne particles that might be circulated by HVAC systems.”

Available on the webpage is ASHRAE’s recently approved position document on Airborne Infectious Diseases. The Society’s position is that facilities of all types should follow, as a minimum, the latest practical standards and guidelines.

The following publications are referenced in the position document and on the resources webpage:

- **ANSI/ASHRAE Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality** – Outlines minimum ventilation rates and other measures intended to provide IAQ that is acceptable to human occupants

and that minimize adverse health effects.

- **ANSI/ASHRAE Standard 62.2-2019, Ventilation for Acceptable Indoor Air Quality in Residential Buildings** – Defines the roles of and minimum requirements for mechanical and natural ventilation systems and the building envelope intended to provide acceptable indoor air quality in low-rise residential buildings.
- **ANSI/ASHRAE/ASHE Standard 170-2017, Ventilation of Health Care Facilities** – Ventilation guidance, regulation, and mandates to designers of health care facilities. It addresses hospital spaces, outpatient spaces, and nursing home spaces.
- **ANSI/ASHRAE Standard 52.2-2017, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size** – Establishes a method of laboratory testing to measure the performance of general ventilation air-cleaning devices in removing particles of specific diameters.
- **ANSI/ASHRAE Standard 55-2017, Thermal Environmental Conditions for Human Occupancy** – Specifies conditions for acceptable thermal environments and is intended for use in design, operation, and commissioning of buildings and other occupied spaces.
- **ANSI/ASHRAE Standard 185.2-2014, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces** – Establishes a test method for measuring the intensity of ultraviolet lamps on irradiated surfaces under typical HVAC&R operating conditions.
- **ANSI/ASHRAE Standard 161-2018, Air Quality within Commercial Aircraft** – Defines the requirements for air quality in



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air-carrier aircraft and specifies methods for measurement and testing in order to establish compliance with the standard.

- **ASHRAE Guideline 28-2016, Air Quality within Commercial Aircraft** – Serves as a companion to ANSI/ASHRAE Standard 161, Air Quality within Commercial Aircraft. Includes additional research and supporting information for guidance in assessing and assuring good air quality within the aircraft cabin.

The position document also advises that new and existing healthcare intake and waiting areas, crowded shelters, and similar facilities should go beyond the minimum requirements of these documents, using techniques covered in ASHRAE’s Indoor Air Quality Guide to be even better prepared to control airborne infectious disease (including a future pandemic caused by a new infectious agent).


Because small particles remain airborne for some period of time, the design and operation of HVAC systems that move air can affect disease transmission in several ways, such as by the following:

- Supplying clean air to susceptible occupants
- Containing contaminated air and/or exhausting it to the outdoors
- Diluting the air in a space with cleaner air from outdoors and/or by filtering the air
- Cleaning the air within the room

ASHRAE recommends the following strategies of interest to address disease transmission: dilution ventilation, laminar and other

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in-room flow regimes, differential room pressurization, personalized ventilation, source capture ventilation, filtration (central or unitary), and UVGI (upper room, in-room, and in the airstream).

Owners, operators, and engineers are encouraged to collaborate with infection prevention specialists knowledgeable about transmission of infection in the community and the workplace and about strategies for prevention and risk mitigation.

For access to the full position document, standards, publications, technical committees, research projects and other material to prepare for COVID-19, visit the ASHRAE COVID-19 Preparedness Resources webpage at ashrae.org/COVID19.

ASHRAE Recognizes Major Donors of Global Headquarters Renovation Project

ATLANTA (February 4, 2020) – ASHRAE recognized a total of 18 major donors to its building campaign in support of its Global Headquarters Renovation Project during the 2020 ASHRAE Winter Conference in Orlando, Fla. ASHRAE President Darryl Boyce acknowledged donors and expressed gratitude on behalf of the 57,000 member society as renovation continues on a 66,700 square foot net-zero-energy ready global headquarters building located at 180 Technology Parkway, Peachtree Corners, Ga. Estimated cost of the project is \$20 million.

“We are excited about the progress

we have made in securing support for our Global Headquarters Renovation Project,” said 2019–20 ASHRAE President Darryl K. Boyce, P.Eng. “Our goal of a net-zero-energy efficient headquarters is possible in large part because of the generous support of our major benefactors. Our hope is that others will join these outstanding supporters by making their own gifts, ensuring that our Society is able to meet our goals and mark this important step in our history.”

Swedish company, NIBE, has committed \$5 million to the project, in addition to critical equipment from two of their North American brands, ClimaCool and ClimateMaster. “NIBE’s belief in our vision of achieving a healthy and sustainable built environment for all, is evident through the donation of this significant gift to this important project,” said Boyce. “We thank NIBE for their enormously generous support.”

Donors of \$250,000 or more include:

- ASHRAE Foundation
- Arkema
- Daikin
- Price Industries

Donors of \$100,000 or more include:

- Big Ass Fans
- Belimo
- Bell & Gossett, a xylem brand
- Victaulic

Over \$8 million dollars has been raised in cash and equipment from individuals, businesses and the ASHRAE Foundation.

The renovation project is expected to be completed by late summer and move for ASHRAE’s approximately 125-person staff is scheduled for October 2020.

ASHRAE’s highly visible building

campaign will recognize donor contributions with a wide array of benefits including prominent building displays, donor wall recognition, naming rights, features in national and international ASHRAE publications and case studies, web presence, social media presence and a special commemorative publication about the project.

“The support from our donors signals a continued investment in ASHRAE’s 125 year history of leadership within the building services industry,” said ASHRAE Executive Vice President Jeff Littleton. “This building is a way of acknowledging our legacy within our industry while looking to the future for new ways to shape the built environment.”

For more information about ASHRAE’s Global Headquarters Renovation Project, please visit ashrae.org/newhq, where you’ll find:

- [ASHRAE Global Headquarters donation link](#)
- Photos/renderings
- Details of the plans for new ASHRAE Global Headquarters
- Answers to frequently asked questions and timelines
- ASHRAE in the news

2020 ASHRAE Winter Conference and AHR Expo Successful

ATLANTA (February 6, 2020) – ASHRAE concluded a successful 2020 Winter Conference and AHR Expo, held February 1-5 in Orlando, Fla. This year’s conference attracted nearly 2,800 buildings-related engineers, architects, contractors, students, and other industry professionals.

ASHRAE celebrated its 125th anniversary with paper sessions

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chronicling the progress of key industries and the evolution of energy modeling. An updated edition of the Society book, Proclaiming the Truth, was released at the conference in addition to a composite video highlighting ASHRAE's history which debuted at the plenary session.

The Winter Conference technical program featured more than 300 presentations, with interest surrounding this year's new track, Big Data and Smart Controls, where session topics included smart sensor technologies, occupant behavior in buildings and cost-based control of supply air temperature.

The AHR Expo offered more than 1,900 exhibitors, with 300 companies exhibiting for the first time. The three-day show occupying 506,000 net square feet of exhibit space, attracted attendees from more than 160 counties.

2019-20 ASHRAE President Darryl K. Boyce, P.Eng., provided Society updates and initiatives related to his presidential theme, "Building for People and Performance. Achieving

Operational Excellence." He focused on how building professionals can ensure operational performance for the people that live, work, and interact in buildings.

During the conference, ASHRAE recognized major donors of its building campaign to support its Global Headquarters Renovation Project.

"With the opportunity to create a new ASHRAE Global Headquarters building, we are living the real-world challenge of designing and building a great environment for our staff, volunteers and industry visitors from around the world, that will operate effectively and not waste energy," said Boyce.

The plenary session drew more than 1,000 people and provided a forum for the presentation of awards to experienced and emerging leaders in the industry. Keynote speaker Ed Hochuli, retired Head Referee in the National Football League, closed the session with an empowering presentation on being successful at

any job.

ASHRAE Learning Institute (ALI) offered four full-day seminars and 17 half-day courses. New courses included: Guideline 36: Best in Class HVAC Control Sequences, Save 40% by Complying with Standard 90.1-2019, Best Practices for Installing DDC Systems, IgCC and ASHRAE Standard 189.1 Technical Provisions, Principles of Building Commissioning: ASHRAE Guideline 0 and Standard 202, Designing for Cold Climates and V in HVAC – What, Why, Where, How, and How Much. The new Certified HVAC Designer (CHD) certification exam was also administered during the conference.

The 2020 ASHRAE Annual Conference will take place June 27- July 1 in Austin, Texas. The 2021 Winter Conference will take place Jan. 23-27, and the AHR Expo, Jan. 25-27, in Chicago.

Become a member of ASHRAE by visiting ashrae.org/join.

Career Fair

The annual student Career Fair was held on March 10th, 2020 at Carleton University.

We had 18 employers and nearly 200 students present for a very successful event. A big thank you to all our employers and sponsor who made this event possible and a special

thank you to Jayson Bursill, Chris Habets and Adrienne Mitani for organizing this event.

We look forward to seeing you all again next year and wish all students good luck in their job hunt!



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CRC 2021

Each year delegates from ASHRAE chapters meet at the Chapter Regional Conference (CRC) with regional officers and society representatives to review the past year's activities and to plan for the future.

In August 2019, OVC Members attended a successful Region II CRC Meeting in Halifax, NS and are looking forward to attend this year's conference around the same time in Quebec City, QC

The Ottawa Valley Chapter will be hosting the 2021 CRC for Region II.

Region II is comprised of all of the Canadian chapters east of Winnipeg.

In total there are nine chapters in Region II. Each year the CRC is hosted by a different chapter. The last CRC hosted in Ottawa was in 2012.

In attendance will be people from each of the ASHRAE chapters in Region II as well as some people from Society in Atlanta. While a large part of the CRC is focused on motions reviewing and improving the way regional council or society operates, it is also a valuable opportunity for training of the chapter committees as well as a chance for ASHRAE Chapter volunteers to connect with ASHRAE Society.



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Evans Mutua

2019-2020

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The 2021 CRC will be held in Ottawa and we are seeking volunteers to assist with the successful operation of the CRC in many different roles.

Contact Evans Mutua regarding volunteering opportunities.

OCA Wrap Up

The Ottawa Construction Association hosted a youth engagement section at the tradeshow on February 26th and 27th at the EY Centre. The objective of these dedicated booths was to give high school students, grades 7 to 10, the chance to try the trades in a safe and fun environment. Wednesday at the tradeshow was a great success! We had students from various schools from 10am to 2pm experiencing a taste of HVAC, Sheet Metal and Plumbing at our booth. Unfortunately, due to the snowday on

Thursday, there were no buses to bring the students to the show and we closed around noon. A big thank you to Mary Gauthier (MCA), Taillefer Plumbing and Heating, Josh Bourbonniere (Trane), Chris Habets, Joe Della Valle (Walmar), Modern Niagara and Total HVAC for your support of this event. I look forward to trying this again next year and doing it bigger and better!



Student Activities

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Research Promotion

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

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

To date, the RP campaign has raised 46% of our **\$34,650** goal for 2019-2020. We have exceeded our target of 30% by **December 31st**. Thank you to everyone who made this possible.

Thank you to **Longhill Energy** for donating **Ottawa Senator** hockey tickets which helped raise **\$590** towards the RP campaign.

Congratulations to **Evans Mutua** who was the lucky winner!

The following list of current **2019-2020** RP campaign **donors** will be provided in each monthly newsletter and updated on the website, so donate quickly to see your name appear!

Two of the easiest ways to make your donation to the **2019-2020 RP Campaign** are by clicking either of the links below.

Should you wish to donate by **cheque**, please make payable to **ASHRAE Ottawa Valley Chapter**. My contact details are below, and I will gladly make arrangements to pick-up any cheques if needed.



Research Promotion
Adam Moons
 2019-2020
 OVC Research
 Promotion
Master Group

E-mail: amoons@master.ca

Adam Moons
The Master Group
25 Northside Rd
Ottawa ON
K2H 8S1
amoons@master.ca
p: 613.829.2816



ASHRAE Partner \$5,000-\$9,999	ASHRAE Associate \$2,500-\$4,999	Major Donor Silver \$1,000-\$2,499
Major Donor Bronze \$500-\$999	Major Donor Antique \$250-\$499	Honor Roll Individuals \$150-249
	Daniel Redmond Aaron Dobson	
Special Thank-You to the following Donors for their contribution Michael Swayne, Ryan Dickinson, Adrienne Mitani, Joe Della Valle, Jacob Hough, Celine Baribeau, Adam Moons, Peter Shaw-Wood		

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

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/4883/index.php?m=eventSummary>

2020 Winter Conference Wrap Up



2020 ASHRAE Winter Conference and AHR Expo Successful
ASHRAE concluded a successful 2020 Winter Conference and AHR Expo, held February 1-5 in Orlando, Fla. This year's conference attracted nearly 2,800 buildings-related engineers, architects, contractors, students, and other industry professionals. ASHRAE celebrated its 125th anniversary with paper sessions chronicling the progress of key industries and the evolution of energy modeling. An updated edition of the Society book, *Proclaiming the Truth*, was released at the conference in addition to a composite video highlighting ASHRAE's history which debuted at the plenary session. The Winter Conference technical program featured more than 300 presentations, with interest surrounding this year's new track, Big Data and Smart Controls, where

session topics included smart sensor technologies, occupant behavior in buildings and cost-based control of supply air temperature. The AHR Expo offered more than 1,900 exhibitors, with 300 companies exhibiting for the first time. The three-day show occupying 506,000 net square feet of exhibit space, attracted attendees from more than 160 counties. 2019-20 ASHRAE President Darryl K. Boyce, P.Eng., provided Society updates and initiatives related to his presidential theme, "Building for People and Performance. Achieving Operational Excellence." He focused on how building professionals can ensure operational performance for the people that live, work, and interact in buildings. During the conference, ASHRAE recognized major donors of its building campaign to support its Global Headquarters Renovation Project. "With the opportunity to create a new ASHRAE Global Headquarters building, we are living the real-world challenge of designing and building a great environment for our staff, volunteers and industry visitors from around the world, that will operate effectively and not waste energy," said Boyce. The plenary session drew more than 1,000 people



President
Aaron Dobson
2019-2020
OVC President
Ainsworth

E-mail: aaron.dobson@ainsworth.com

and provided a forum for the presentation of awards to experienced and emerging leaders in the industry. Keynote speaker Ed Hochuli, retired Head Referee in the National Football League, closed the session with an empowering presentation on being successful at any job.

(Pictured below - 2019-20 ASHRAE President Darryl K. Boyce, P.Eng. with 2018-2019 Research Promotion Campaign Golden Circle Investors, including local Region 2 Investors - Enbridge and Ainsworth)

The 2020 ASHRAE Annual Conference will take place June 27-July 1 in Austin, Texas. The 2021 Winter Conference will take place Jan. 23-27, and the AHR Expo, Jan. 25-27, in Chicago.



Executive & BOG

ASHRAE OVC Members:

In these unprecedented times, we're faced with a challenge of keeping the Ottawa Valley Chapter of ASHRAE running as smoothly as possible, and continuing to plan for the next society year. To that end, the executive for the 2019-20 year, in discussion with Abbey Saunders and I as chairs of the Nominations & Awards Committees, are moving forward with the chapter nominations process.

While we would normally close the nominations and announce the new board of governors and executive at the April meeting, this will not be possible this year. Instead, we are letting you know via this communication who has been nominated and has accepted the posts for Governors and Executive for the ASHRAE OVC 2020-21 season.

We will hopefully be able to install these people in person at our May meeting, but if the current pandemic situation has not resolved by that time, we will be doing this remotely.

With that said, it gives me great pleasure to announce the proposed slate for the Chapter Executive and Board of Governors that will provide leadership for the Ottawa Valley Chapter for the upcoming 2020-21 year.

Committee Chairs

Attendance, Financial – Sandy Taylor

Audit – Dan Redmond

Capital Communique – Evans Mutua

CRC – Adam Moons

CTTC – Liz Primeau, Zarna Kakadiya

Grassroots & Government Affairs – Adrienne Mitani

Greeters – Mike Swayne

Honours & Awards – Abbey Saunders

History – Zach Lanthier

Membership Promotion – Josh Bourbonniere

Nominations – Steve Moons

PAOE, Research Promotion – Adrienne Mitani

Program – Liz Primeau, Zarna Kakadiya

Special Events – *Curling* – Colleen Fox, *Golf* – Rod Lancefield, *Bowling* – Abbey Saunders

Student Activities – Jayson Bursill

Table Top – David Michelin

Website – Ryan Dickinson

YEA – Jordan Hansen



Nominations & Awards

Steve Moons

2019-2020

OVC

Nominations & Awards

TOTAL HVAC

E-mail: stevem@totalhvac.com

Executive

President

Adam Moons

President-Elect

Adrienne Mitani

Treasurer

Ryan Dickinson

Secretary

Celine Baribeau

Past-President

Aaron Dobson

Board of Governors

Joe Della Valle – returning

Mike Swayne – returning

Trevor Thomson

Joel Primeau

Evans Mutua

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

Tech Awards Application

We are one month away from final Chapter Submissions being due (March 31st). Please remind people that the Chapter submittal process is very easy and looks great on any resume. Below are links to the short submission form and the long submission form, along with prerequisites and instructions on how to apply. The short form is usually sufficient for Chapter Level Awards and takes not time to fill out. The due date for Regional submissions is May 22nd. It is recommended the long form is used to apply for the Regional award. Society Level Submissions must be the long form to be considered.



CTTC Chair
Trevor Thomson
2019-2020
CTTC Chair
Total HVAC

E-mail: trevort@totalhvac.com

Requirements:

- 1 Entries should be submitted electronically in pdf format. Entries are to be submitted in the following format with no more than thirteen (13) letter size (8½ x 11 inches or S-I equivalent) pages, typed (font 12 characters per inch or equivalent), 1-inch margins, to include: The Application Form is (3) pages; A maximum of ten (10) double-spaced, typewritten sheets to address the items on page three of the Application Form. (Charts, schematics, graphics are included in the 10-page limit.) All pages should be numbered.
- 2 The entrant (1) must be a member (any grade) of ASHRAE, (2) must have a significant role in the project, and (3) must be willing to supply any additional information if requested by the judging panel.
- 3 The entrant, property owner and engineer of record must sign the entry Application Form where indicated.
- 4 The entrant must submit one (1) completed application with signatures (electronic signatures are accepted).
- 5 The project must have been in successful operation for at least one year at the time of entry.**
- 6 For an entry to be judged at the Society level, it must have received a first-place award at the regional level. Interested applicants should contact the CTTC Regional Vice- Chair (RVC) for deadlines for the regional competition.
- 7 The Society-level competition requirements are not necessarily identical to the requirements that may apply in chapter competitions. A chapter may use whatever criteria it chooses. The entry must use the criteria listed, herein, when submitted by the region for Society competition. The number of entries a chapter may submit per category to the regional competition is at the region's discretion.

If you have any questions, please contact me anytime. trevort@totalhvac.com

<https://www.ashrae.org/File%20Library/Membership/Honors%20and%20Awards/Tech-Award-Application-Short-Form-January-2016.pdf>

<https://www.ashrae.org/File%20Library/Membership/Honors%20and%20Awards/Tech-Award-Application---Long-Form-August-2019-.pdf>

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

Smith+Andersen

E-mail:

adrienne.mitani@smithandandersen.com



Publicity

Rod Lancefield

2019-2020 Publicity
Committee Co-Chair

**HTS Engineering
Ltd.**

E-mail: rod.lancefield@hts.com

2019-2020

President

Adam Moons

President-Elect

Adrienne Mitani

Treasurer

Ryan Dickinson

Secretary

Celine Baribeau

Governors

Joe Della Valle

Mike Swayne

Trevor Thomson

Joel Primeau

Evans Mutua

Past President

Aaron Dobson

Committees

Attendance

Sandy Taylor

Audit

Dan Redmond

Capital Communiqué

Evans Mutua

CRC

Evans Mutua

Don Weakes

CTTC

Trevor Thomson

Grassroots

Government Affairs

Adam Moons

Financial

Sandy Taylor

Greeter

Mike Swayne

History

Ryan Dickinson

Membership

Promotion

Andrew Brown

Nominations & Awards

Steve Moons

Abbey Saunders

PAOE

Adam Moons

Program

Zarna Kakadiya

Publicity

Sandy Taylor

Research

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Adrienne Mitani

Special Events

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Student Activities

Jayson Bursill

Table Top

David Michelin

YEA

Jordan Hansen

Website

Ryan Dickinson