



May Newsletter

Upcoming Events • Society News and Updates • What You May Have Missed •
• Elsewhere in the Industry • Membership • Event Schedule • Chapter Officers •

UPCOMING EVENTS

May Meeting:

Growth just doesn't
happen, are you
being intentional?

Presented by: Karine Leblanc
Distinguished ASHRAE Lecturer

TOMORROW

Wednesday, May 19th
12:00pm - 1:15pm

Halifax Chapter Member: FREE
Other Region 2 Member: \$5
Non-Member: \$10

Zoom link for meeting is provided with registration confirmation
email; if no link is provided please
contact sandra@mcaconsultants.ca or peitaa.gant@trane.com.

Growth just doesn't happen; you need to be
intentional about it. Are you putting the work to be
the best version of yourself?

We are all born with incredible potential and
personal development is the tool to reach it. The

truth is that most people won't work on themselves because we are all driven by results and self-growth takes time.

It requires self-growth to discover your purpose, become a better human being, advance your career, be a better spouse/parent, reach your financial goals and enrich your soul. Are you putting the work to be the best version of yourself?

I will help you understand how personal growth works and help you become a more successful and accomplished person.

[Register Now](#)

SOCIETY NEWS

Annual Golf Tournament

Mark your calendars!

Mark your calendars, the ASHRAE Halifax golf tournament is scheduled for Thursday, June 17th at the Chester Golf Club with a 9AM Shotgun Start.

Due to the Covid 19 restrictions we will be making a formal announcement at the end of May ensuring we follow the government guidelines at that time.

For now, please mark your calendars with the below calendar invitation. This will help you to save the date and help us to forecast the turnout.

Add event to calendar



Have a great day and be on the lookout for our announcement in the coming weeks!



Ted Loucks
P.Eng., MBA, LEED AP
Partner

Halifax Truro Moncton Saint John Toronto Winnipeg Vancouver

A Division of MCW Consultants Ltd.

7051 Bayers Road, Suite 102
Halifax, Nova Scotia, B3L 2C1

Telephone: 902-876-3182
Mobile: 902-999-2920
Facsimile: 902-876-2796
Email: tloucks@mcw.com

Internet: www.mcw.com



*Diamond Mechanical
Distributors Ltd*

Daniel Berlemon
Technical Sales

1236 Bluff Road
Hantsport
Nova Scotia, B0P 1P0

Phone: 902 835-7359
Fax: 902 684-3258
Cell: 902 499-1537

E-mail: dan@diamondmech.com



**Yorkland
Controls**

ENVIRONMENTAL
SOLUTIONS

Rick Morash

rmorash@yorkland.net
yorkland.net

40 Fielding Avenue,
Dartmouth, Nova Scotia
B3B 1E4

t: 902-481-7590
f: 902-481-7587
m: 902-877-3852
tf: 877-733-3833

April Survey Draw Winner!

Each month, attendees of the ASHRAE Halifax monthly meetings are entered in a draw for a chance to win a \$50 gift card when they choose to complete the post meeting survey.

Congratulations to this month's winner, Matthew Peachman!

Join us for the May 17th meeting and have your kick at the can!

Registration Opens For Virtual 2021 ASHRAE Virtual Annual Conference

Featuring new and expanded offerings in current practices and updates on research, the 2021 ASHRAE Virtual Annual Conference will be held June 28-30, 2021. Registration is now open.

The conference will feature over 100 live and on-demand sessions with updates from Society leaders and virtual networking events. Technical sessions will address the latest information surrounding the COVID-19 pandemic, along with eight other tracks on various building systems topics. Attendees will hear updates from the ASHRAE Epidemic Task Force and the Task Force on Building Decarbonization.

Interactive Technical Panels and Forums will allow attendees to share their experiences and to ask questions. The conference will also include Roundtable Discussions and Meet Ups, Sponsor Technology Demonstrations, Research Summit and the opportunity to connect with sponsors in real time.

Downloads of conference proceedings are available, including technical papers, conference papers and extended abstracts. Professional development hours can be earned for all on-demand sessions and more than 35 live sessions upon successfully completing a short quiz. Registration includes access to all the technical content on-demand for 18 months.

To learn more and to register, visit ashrae.org/2021annual.



Brennan Ferguson
HVAC Equipment Sales
Distribution Division

BRUCE SUTHERLAND ASSOCIATES LIMITED

Serving the HVAC and Processing Industries
in Atlantic Canada for over 50 years

Tel: 902-464-0794 | Cell: 902-529-0260 | bferguson@bsal.ca



HANNAH WEIR EIT

BUSINESS DEVELOPMENT MANAGER
99 WYSE ROAD, SUITE 1100
DARTMOUTH NS, B3A 4S5

mobile: (902) 863-7860
hweir@macleodandgrant.com
macleodandgrant.com



PMC
ENERGY PERFORMANCE

Lucas Bowlby, MScE, EIT
HVAC & Energy Engineering

900 Windmill Rd, Suite 100
Dartmouth, NS B3P 1P7

Cell: (902) 844-0767
Email: lucas.bowlby@pmcenergy.ca
Web: www.pmcenergy.ca

Energy Performance Contracting - Design Build Installations
Building Automation - Maintenance and Service



A Member of *Imperial Manufacturing Group*™

JARID WILSON

Account Manager

Cell (902) 830-5364
Fax (902) 468-1093

Toll Free Order Desk
(800) 565-5698

jwilson@filtrationplus.com
90 Cutler Avenue, Unit 1
Dartmouth, NS B3B 0J6
www.filtrationplus.com

WHAT YOU MAY HAVE MISSED

April Virtual Meeting IAQ and Cognitive Functioning in Healthy Buildings - Presented by Brian Monk P.E.

Another excellent presentation from another ASHRAE Distinguished Lecturer was provided at our monthly meeting this April. Brian Monk, P.E. delivered his talk titled "IAQ and Cognitive Functioning in Healthy Buildings" to a group of 22 ASHRAE Halifax members on Wednesday April 14th. Brian's presentation was nicely adapted to be relevant to the current COVID-19 Pandemic. The discussion focused on the use of the IAQ Procedure of ASHRAE 62.1 to control the concentrations of contaminants of concern through both dilution and enhanced air cleaning, rather than dilution alone. Particularly interesting were the connections between indoor air quality and the cognitive functioning of the occupants. Thank you Brian!

GoToMeeting ▾ REC

Talking: Brian Monk

View Everyone

21

RR JL AS KM BF MR SC AB

ML MP DB CDV DS KW PA GR D

Healthy Building Design Trends 2020

2.2.6. Air Systems & Healthy Spaces

The team will conduct an in-depth review of potential mitigation strategies relating to MEP design throughout all design phases, in response to infections like COVID-19. Nevertheless, several design items we anticipate being required have been included as part of our current base of design, as the cost associated with these items can be captured.

The ventilation system shall be designed to achieve good indoor air quality (IAQ) by minimizing the pollutants in the air and by introducing proper amounts of clean fresh air in the space. Minimum ventilation shall be designed to meet or exceed the ASHRAE 62.1 and IACI ventilation requirements. In addition, the design team will implement these additional IAQ strategies:

- Enhanced Filtration - Provide electronic filters in all pressurized AHUs, with a MERV 13 equivalent.
- Alternate to UV lighting as treatment on return ductwork on all heat pumps serving public areas, with the intention to keep coils clean and prevent microbial/growth.
- Alternate B: Incorporate Catalytic Oxidation Air Cleaner System into Ducts units.
- Locate indoor air intakes away from sources of pollutants, vapors, and dusts.
- Locate exhaust vents and flues away from windows and air intakes, particularly kitchen exhausts, and any vents associated with water treatment or tank-type exhaust fans.
- Control moisture and condensation through the building envelope.
- Utilize zero or low VOC materials.

HEALTHYBUILDINGS 4000x4000px

Brian Monk is presenting

Mic Camera Screen Leave

Type here to search

12:31 PM 2021-04-14

GoToMeeting ▾ REC

Talking: Brian Monk

View Everyone

22

RR JL AS KM BF MR SC AB SAK AR

ML MP DB CDV DS KW PA GR D

Balancing Risk in Re-Opening

THE 9 FOUNDATIONS OF A HEALTHY BUILDING

HEALTHYBUILDINGS 4000x4000px

Brian Monk is presenting

Mic Camera Screen Leave

Type here to search

12:48 PM 2021-04-14

Business Impact

Effectiveness

Effectiveness	Business Impact
High	High
Medium	Medium
Low	Low

PPE: Wear masks

Administrative controls: Diversify workspaces, Institute social distancing

Engineering controls in spaces: Healthy buildings

Substitution of activities: Workers in critical jobs return

Elimination of exposure: Work-from-home policies

Work-from-home policies

The screenshot shows a GoToMeeting video conference. At the top, there's a header with the title 'SARS-COV-2' and a sub-header 'HEALTHY BUILDINGS'. The main content area features a slide with the title 'SARS-COV-2' and a bullet point about the virus's size and transmission. To the right of the slide is a diagram illustrating the 'Aerosol transmission mechanism of COVID-19 with 3D shapes and aerosols'. The diagram shows a person coughing, with a cloud of small black dots representing aerosols. These aerosols are shown traveling through the air and being inhaled by another person. The background of the slide is a dark blue gradient with a faint image of a city skyline. The bottom of the slide has a footer with the text 'HEALTHY BUILDINGS' and 'GO TO MEETING'. The GoToMeeting interface includes a toolbar with various icons, a participant list on the left, and a control bar at the bottom with a search bar and system status indicators.



10, Akerley Blvd. Unit 54
Dartmouth, NS B3B 1J4

Bus: (902) 835-2242
Toll Free: 1-800-278-2242
Fax: (902) 835-6259

darrell.amirault@engineeredair.com



*DARRELL AMIRIAULT, C.E.T.
Atlantic Provinces Sales*

ELSEWHERE IN THE INDUSTRY



On-site Sewage Disposal System Design Course

May 28th - ABLE Engineering Services Inc.
<https://engineersnovascotia.ca/events/view/?event.id=1363>

WasteEng2020 - Online

May 31st - June 4th - WasteEng
<http://www.wasteeng2020.org/>

ANDREW WEIR



TECHNICAL SALES & COMMISSIONING

106 MACKAY STREET

STELLARTON NS, B0K 1S0



office: (902) 752-5532
mobile: (902) 759-7959
aweir@macleodandgrant.com
macleodandgrant.com

DANIEL BOURQUE,
Eng., LEED AP
Project Manager

T 902.488.0755
dbourque@pageaumorel.com
www.pageaumorel.com



MEP Consulting Engineering

Engineers Canada 30 by 30 Virtual Conference 2021

June 2nd - June 23rd - Engineers Canada
<https://engineerscanada.ca/news-and-events/30-by-30-virtual-conference-2021>

MCA CONSULTANTS

Steven K. Ramsay, P.Eng, PMP, CEM
President

e. steve@mcaconsultants.ca
www.mcaconsultants.ca

t: (902) 481-8126 ext 201
c: (902) 499-4082
f: (902) 892-5122

APEGA's Nexus Conference - Online

June 9th - 10th - APEGA Nexus
<https://www.apeganexus.ca/>

MEMBERSHIP



CHRIS RUSSELL, P.ENG
PMP, LEED AP BD+C, CM-LEAN
ENERGY ENGINEERING MANAGER

SUITE 1500
1801 HOLLIS STREET
HALIFAX, NOVA SCOTIA
CANADA B3J 3N4
T: 902.422.2000
C: 902.809.7019

E: CHRIS.RUSSELL@EASTPOINT.CA

Welcome new ASHRAE Halifax member Alex K McCloskey!

ASHRAE Halifax is always welcoming new members. The professional community provided by local chapters is unparalleled in the HVAC Industry. Whether you're interested in networking, keeping up-to-date on new industry standards and technologies, or giving back to the community in which you work, ASHRAE Halifax is the group for you.

Not a member yet? Contact our Membership Chair, **Chris Ruddick** for more information on the benefits of membership.

2020-21

SCHEDULE

DATE	THEME	TOPIC	PRESENTER	LOCATION
Sep 16	Student's Day	Aerosol Mitigation in Schools and Recreation	Kyle Hasenkox	Virtual
Oct 14	Refrigeration	An Introduction to Ammonia Refrigeration Systems	Douglas Reindl	Virtual
Nov 18	Past President's	Society President Visit - President's Address	ASHRAE President Chuck Gulledge	Virtual/In-Person
Dec 16	YEA	Millenials - How to Manage the Next Generation	Julia Keen - DL	Virtual
Jan 13	Students	Burj Khalifa - The Tallest Building in the World	Luke Leung	Virtual
Feb 10	Sustainability	Building EQ	David Underwood	Virtual
Mar 10	Engineering Month	Worst Practise in design and Operation	Richard Rooley	Virtual
Apr 14	TBD	IAQ and Cognitive Functioning in Healthy Buildings	Brian Monk	Virtual
May 19	TBD	Growth just doesn't happen, are you being intentional?	Karine Leblanc	Virtual
Jun 17	Golf Tournament	N/A	N/A	Chester Golf Club

*note that "TBD" means "we have something planned, but we're working on getting confirmations", not "we're holding out on you" or "we have absolutely no idea".



CHAPTER OFFICERS

President
Marc Rossignol

BCS Controls Ltd

2410 Highway #2, Waverley NS B2R 1S9 | P:(902) 406-3100 | BCSCONTROLS.COM



Cecil Hutt
Sales & Estimating

Office: (902) 406-3100 Fax: (902) 406-3102
Cell: 902-233-4533 cecilhutt@bcscontrols.com

Yorkland Controls

ENVIRONMENTAL
SOLUTIONS

40 Fielding Avenue,
Dartmouth, Nova Scotia
B3B 1E4

Joe McLean
Business Development Manager,
Atlantic Canada

joemclean@yorkland.net
yorkland.net

t. 902-481-7590
f. 902-481-7587
m. 902-440-0060
tf. 877-733-3833



Marc Rossignol, EIT
Commercial Solutions Advisor

1223 Lower Water Street
Halifax, Nova Scotia
Canada B3J 3S8

C: 902.225.5249
marc.rossignol@nspower.ca
www.nspower.ca

President Elect

Daniel Bourque

Vice President

Jarid Wilson

Treasurer

Daniel Morris

Secretary

Ken Mathekal

Board of Governor

Dan Egilsson

Board of Governor

Troy Drolesbeck

Board of Governor

Darrell Amirault

Board of Governor

Aaron Smith

Board of Governor

Conan Baker

Board of Governor

Steven Ramsay

Residential Building Committee

Mark Lawrence

Grassroots Government Activities

Tom Kendall

Membership Chair

Chris Ruddick

Special Events/Technology Transfer

Sandra Kitan

Webmaster

Andrew Weir

Student Activities

Adam Benoit

Historian Honors/Awards

Robert Mayhew

ENVIROAIR
INDUSTRIES *Beyond the Product*

ClimateCraft TEMPEFF Klimor SAMSUNG HVAC
CLIMA COOL DB SMARTD BOSCH ENERVEX
Fulton ERV NIMBUS QuantumFlo
THE ULTIMATE COOLING SYSTEM

Conan Baker - cbaker@enviroair.ca

ATLANTIC CANADA • Telephone: (902) 442-0808 • 5500



JIM BELL

Phone - (902) 443-4548
Fax - (902) 445-0891
Cellular - (902) 452-1504
Email - jim@hydromechanical.ca

3700 Joseph Howe Dr.
Suite 1
Halifax, N.S. B3L 4H7



M. Lawrence Engineering Ltd.



Refrigeration

Glenroy (Buddy) Kerr

Newsletter Editor

Hannah Weir

Energy Modeling Group Leader

Nick Renouf / Eddie Roach

YEA Chair

Lucas Bowlby

Sustainability Chair

Darcy O'Connell

WIA (Women in ASHRAE)

Beth Caldwell

Our executive team is always interested in more assistance, contact ashrae.halifax@gmail.com if you are interested in helping out.

*Copyright ©*2021 ASHRAE Halifax Chapter, All rights reserved.*