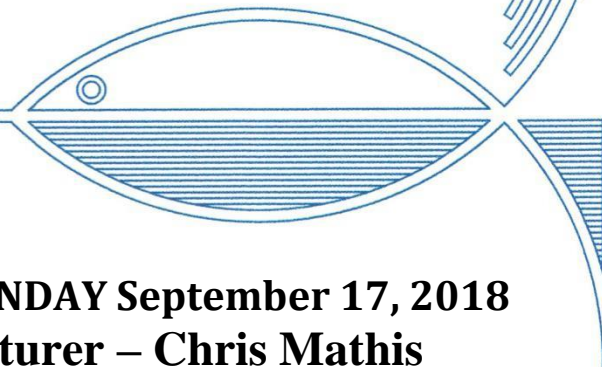




# THE HERRING CHOKER

## ASHRAE

### NB PEI CHAPTER



#### **2018-2019 Executives**

**President:**

Yves Savoie (506) 857-2777

**President Elect:**

Ryan Gosson (506) 977-1418

**Vice-President:**

Dan Boudreau (506) 857-8880

**Treasurer:**

Shelby Gallant (506) 635-1566

**Secretary:**

Chantal Daigle-Verrier

**Membership Promotion Chair:**

Kevin Bregel (506) 633-2305

**Research Promotion Chair:**

Dan El-Khoury (506) 857-2777

**Student Activities Chair:**

Ted White (506) 453-4185

**Historian:**

Kevin Leger (506) 382-8625

**CTTC Chair (Programs):**

Matthew Peachman (506) 633-6650

**Newsletter Editor:**

Jason El-khoury (506) 857-2777

**Electronic Communication:**

Mike Boudreau (506) 866-3571

**YEA Coordinator:**

Ben Roundell (506) 459-3940

**Grassroots Government****Activities Chair:**

Jarrett Steele (506) 206-1511

**Refrigeration Chair:**

Harold Gallant (506) 382-8625

**Golf Tournament Chair:**

Gerry Waselynychuk (506) 857-8744

**Government Affairs (Regional Vice-Chair, Region II):**

Robert Hoadley (506) 459-3940

#### **October 2018 Issue**

### **Next Meeting – MONDAY September 17, 2018**

### **Distinguished Lecturer – Chris Mathis**

Location: **Alma City Club**  
**114 Alma St, Moncton**

#### **Schedule**

**3:30 pm** – Board of Governors Meeting

**5:00 pm** – Social Hour

**6:00 pm** – Presentation: Radiant Heating/Tube Heaters

**7:00pm** - Dinner:

#### **Cauliflower and Parmesan Volute**

\* \* \* \* \*

#### **~Chicken filled with Roasted Red Pepper, Basil and Mozzarella~**

Pan Roasted Chicken filled with Roasted Red Peppers, Basil and Fresh Mozzarella, Pan Jus, Garlic Mashed Potato and Buttered Vegetables

Or

#### **~Maple Glazed Pan Roasted Salmon~**

Pan Roasted Salmon glazed with Maple syrup , Basmati Rice Pilaf, Sautéed Asparagus

\* \* \* \* \*

#### **Strawberry Mousse, Chocolate Shavings and Macerated Strawberries**



**MacLeod and Grant Limited**  
Commercial - Industrial Heating Systems  
www.macleodandgrant.com

**D.J. (Jim) Morris**

P.O. Box 121, Moncton, NB, E1C8T1  
451 Paul St., #213  
Dieppe, NB E1A 6W8

Tel. (506) 383-3151  
Fax. (506) 388-1927  
E-mail: jmorris@macleodandgrant.com



**WOLSELEY**  
9000  
Mobile Boiler Room  
1-888-442-4527

**WOLSELEY**  
Scott Donnelly, CET  
Sales Area Manager – Plumbing & HVAC/R Atlantic  
Cell 506-863-7107 scott.donnelly@wolseleyinc.ca  
www.wolseleyinc.ca www.wolseleyexpress.com



**Daniel El-Khoury, P.Eng./Ing.**  
Project Engineer/Ingénieur de projets

T: (506) 857-2777  
D: (506) 389-6904  
F: (506) 857-2753  
dje@crandallengineering.ca

**crandallengineering.ca**



## Message from the President

### August 2018 CRC Update

From August 23 to 26, 2018 several members from the ASHRAE NB/PEI attended the annual chapters regional conference (CRC) in Windsor, Ontario. Chapter attendees included Shelby Gallant (Treasurer), Kevin Léger (Historian), Daniel El-Khoury (Research Promotion Chair), Daniel Boudreau (Vice-President) and spouse Karin Boudreau, Ryan Gosson (President-Elect), and Yves Savoie (President). Congratulations to the Windsor Chapter for hosting a well-organized conference, and for their hospitality.

This year, two motions were put forward by our chapter at the CRC. The first motion was passed and will be brought to society, and the second motion was defeated.

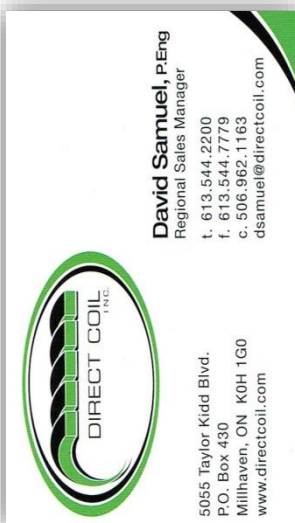
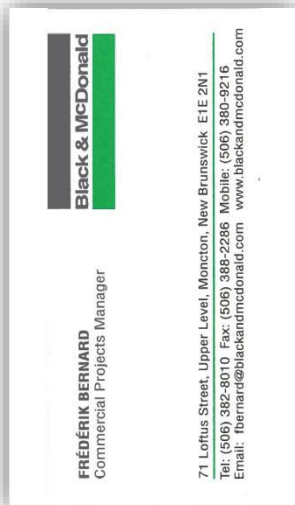
- Motion 1: “Moved that Society Change the ruling that a candidate for Chapter Service Award or Regional Award of Merit need not be a member in good standing in order to receive the award.”
- Motion 2: “Moved that Society add an option for student membership online forms to have an invoice sent to the chapter of the student member. This way the chapter could be assured that Society has all the correct contact info for the student and can simplify the payment process.”

At the Montreal CRC in 2017, the chapter put forward a motion “...that Society begin to research and publish ventilation information and recommendations on retail cannabis outlets as well as cannabis growing facilities.”, as a result of the rapid commercial and industrial growth of the sector. This motion was passed and is now being reviewed at the Society level for further action.

In August 2019, the CRC will be hosted by our neighbors from the Halifax Chapter. We’re looking forward to another great event, where we hope to send a large delegation of our chapter members. The CRC is a great opportunity to see how ASHRAE operates beyond the Chapter level. Anyone interested in attending this event is encouraged to reach out to the Chapter executive for more information.

Sincerely,  
Yves Savoie  
2018-19 ASHRAE NB/PEI Chapter President





## Introduction to Our Speaker

**Bertrand Voinot** is the Regional Sales Manager for Eastern Canada for Schwank. He frequently performs training presentations on Infrared heating and air curtains technology to various audience from engineers to distributors and end users.

He has been working on a wide range of commercial, industrial, institutional and residential projects for Infrared heating equipment, including applications such as large manufacturing facilities, aircraft hangars and outside patios. He is a member of ASHRAE, Toronto Chapter. Schwank has been active in Atlantic Canada for over 30 years. They are the inventor of the infrared technology back in 1933. Schwank is the leading manufacturer worldwide with a large breadth of IR Heating products and have millions of units in operation across the world.

### Presentation Topic: Radiant Heating/Tube Heaters

#### Presentations objectives

Understand how infrared technology works, how it creates a better heating comfort. Why does it consume less energy and what are other advantages.

#### Presentation Highlights

- Sun principle
- comfort temperature vs air temperature
- Where is the heat, where goes the heat, heatloss reduction from pipes and ducts, zone heating
- Less energy consumption, operating costs reduction
- Better environment
- High intensity and Low intensity
- Radiant efficiency principle – ANSI/ASHRI 1330 and Infrared factor
- Applications
- Outside heating







## September Meeting Recap

ASHRAE Distinguished Lecturer Chris Mathis, an undergraduate degree in Physics from UNC-Asheville and a Master of Science in Architecture Studies from MIT, presented to our chapter about the importance of utilizing energy efficient windows in buildings.



Pictured: Chapter President Yves Savoie (right) and Distinguished Lecturer Chris Mathis (left)

## 2018-19 Board of Governors

Yves Savoie, Ryan Gosson, Dan Boudreau, Shelby Gallant, Chantal Daigle-Verrier, Kevin Bregel, Dan El-khoury, Kevin Leger, Matthew Peachman, Ben Roundell, Kevin Clannon, John Willden

**TWEEDIE & ASSOCIATES**  
CONSULTING ENGINEERS LTD.

33 Pine Glen Road  
Riverview, NB E1B 1V3  
Tel. (506) 383-8223  
Fax. (506) 382-8223  
Cell. (506) 852-1570  
e-mail. stweedie@lace.ca

**Stephen Tweedie**  
P.Eng., LEED AP, CBCP

**CBCL** Matthew Peachman, P.Eng., LEED® AP, BD+C  
Mechanical Engineer  
mp@cbcl.ca • 506-633-0937 • C: 506-651-8993

**CBCL LIMITED**  
Consulting Engineers

CBCL Limited • 22 King Street, PO Box 20040, Saint John, NB E1L 5B2  
T: 506-633-6650 • F: 506-633-6659 • www.CBCL.ca

Experience • Vision • Commitment

**victaulic**

**Brad McAllister**  
Sales Representative

155 Canaan Drive, Suite #411  
Dieppe, NB E1A 0W4  
bmc@victaulic.com

Cust. Service: 1.877.426.3500  
Fax: 506.384.3617  
Cell: 506.675.3352

## IES and ASHRAE Info Session

Date: Wednesday, November 28, 2018

Time: 6:00pm-8:00pm

Location: Hell's Basement Comedy Club, 706 Main Street (Enter door for Subway and ring doorbell)

Cost: \$10 for Non-IES members

Pizza will be provided

Event is 19+ due to the establishment's liquor license

TITLE: SYNERGISTIC BUILDINGS IN THE ERA OF IOT

AUTHOR: MIKE SKURLA

DATE: 7/06/2017

### TARGET AUDIENCE

Lighting Designers, Electrical Engineers, Architects, Building Owners/Operators.

### RECOMMENDED PREREQUISITE KNOWLEDGE

- Intermediate knowledge of lighting control system design
- Basic knowledge of HVAC fundamentals is helpful
- Basic I.T. understanding of computer internetworking (Ethernet, TCP/IP Stack, etc)
- U.S./Canadian commercial construction practice


### PUBLISHABLE DESCRIPTION

Commercial buildings today are a combination of many subsystems all working in relative autonomy. The emergence of the Internet of Things (IoT) has given buildings intelligence that is highly beneficial when leveraged across these systems instead of relative isolation. This seminar strives to cut through the hype and buzz surrounding the emergence of IoT by introducing how interconnected technology enabled by IoT can be leveraged to make tangible improvements to building operation, people's well-being, and outcomes through the collective use of information. Starting with a foundation in the concept of a Synergistic Buildings, the attendees will gain a conversational understanding of the technical elements required to design and implement a practical information-based building solution. Careful analysis will be given to new terminology and system goals beyond traditional ROI.

### LEARNING OBJECTIVES

1. Define a Synergistic Building System and how it differs from building management systems and individual control solutions (lighting, HVAC, security, etc).
2. Discuss the practical definition of IoT in the built world and the idea of a sensory network.
3. Define Hot data (compared to cold data). Explain how it relates to the idea of synergistic buildings, and plays into a buildings ROI story, and the advantages beyond just simple payback stories.
4. Discuss the current market conditions surrounding the practical deployment of IoT technology within the lighting space.

**EAST COAST SHEET METAL LTD.**  
General Mechanical Contractor • Air Conditioning & Heating



Michael Boudreau, P. Tech  
Estimator

PO Box 4311  
Dieppe, NB E1A 6E9

Tel: 506.850.7616 ext. 104  
Cell: 506.866.3571  
Fax: 506.855.2232  
mboudreau@ecsm.ca

Your complete  
**HVAC**  
Supplier!

290 Baig Blvd.  
Suite B14  
Moncton, NB  
E1E 1C8

**GLOBAL**  
Mechanical Systems Ltd.  
www.globalmech.com

Ph: (506) 857-4887 Fax: (506) 857-1989

**ENERTRAK INC.**  
DISTRIBUTOR OF HVAC EQUIPMENT

www.enertrak.com

**MITSUBISHI ELECTRIC**  
annex/ir

**RenewAir**  
Energy Recovery Ventilators

**SMART**  
STUZI

**ERIC LEBLANC, P. Eng.**  
10-297 COLLISHAW, MONCTON, NB E1C 9R2  
T: 506.855.3365 F: 506.855.3370 C: 506.875.8078

## NB/PEI ASHRAE Paraphernalia

*Golf shirts: Blue: All sizes: (\$15)*

*Padfolio (\$15)*

- o Embossed with our ASHRAE NB/PEI logo
- o Two slant pockets neatly hold cards, disks, papers and more
- o Zippered closure to secure important items
- o Sleek outside pocket for quick access
- o Includes writing pad and pen-holder
- o Size: 241 x 165 x 25mm (9-1/2" x 6-1/2" x 1")



Joey Parent  
Eastern Territory Manager

Xylem Applied Water Systems,  
a Division of Xylem Canada Company  
331 Elmwood Drive, Unit 4, Suite 166, Moncton, NB E1A 7Y1 Canada  
Cell: 1 506 962 5387  
Toll Free: 1 888 488 4033  
joey.parent@xylemnc.com  
www.xylemappliedwater.com

**xylem**  
Let's Solve Water

**SCAN AIR BALANCE 1998 LTD.**  
Certified Member AABC

**HVAC**  
Air & Water Balancing • Duct Leakage Testing

**PAUL VINCENT**

50 Disraeli Crescent, Suite 200  
Moncton, N.B. E1E 3R8

Tel: (506) 857-9100  
Fax: (506) 857-1719  
scanair@nb.aibn.com

**Yorkland Controls**  
ENVIRONMENTAL  
S O L U T I O N S

Business Development Manager  
alex.leblanc@yorkland.net  
yorkland.net

40 Fielding Avenue,  
Dartmouth, Nova Scotia  
B3B 1E4

C: 902-481-7590  
F: 902-481-7587  
M: 902-830-9184  
T: 877-733-3833

Jarrett G. Steele, PEng  
Test & Balance Engineer

Fredericton, NB  
tel (506) 206-1511  
fax (506) 206-1213  
jsteele@steeleengineering.ca



Air & Water  
Balancing



Brian Dutt, MBA / CEM  
President  
Head Office

Office (506) 874-4043  
bdutt@controlsequipment.com  
controlsequipment.com



François Thériault, P.Eng., LEED AP

Tel: (506) 387-3083 Fax: (506) 387-3089  
E-Mail: francois.theriault@nb.aibn.com  
www.peerlessconsultingltd.com

106 HILLSBOROUGH ROAD, RIVERVIEW, NB E1B 1R3

## Glen Cowan Memorial Scholarship

**Eligibility:** a high school graduate who is the immediate family member of a Chapter Member in good standing and who is enrolled in a University or Community College program. Consideration will also be given to students who are already enrolled and are continuing a University or Community College program.

**Selection Criteria:** Academic results, financial need and extra-curricular activities

**Amount:** \$1,000

**Application Process:** Application forms is available below or can be received by contacting any member of the Chapter Executive Committee.

**Deadline for receipt of applications:** October 31st 2018

plombrerie et chauffage  
climatisation - traitement d'eau

506-877-1077  
www.aphd.ca

**ADVANCED**

plumbing & heating  
climate control services - water treatment

24/7  
SERVICE / URGENCE

**MCW**

**Maricor**  
A Division of MCW Consultants Ltd.

77 Vaughan Harvey Blvd., Suite 200  
Moncton, New Brunswick, E1C 0K2

**Robert McEwen, P. Eng.**  
Mechanical Design Engineer  
Associate

Telephone: (506) 857-8880  
Cell: (506) 874-6042  
Fax: (506) 859-8393  
E-mail: rmcewen@mcw.com  
Internet: www.mcw.com

Moncton Saint John Halifax Charlottetown Turo Toronto Winnipeg Vancouver

**AEM**

**Advanced Energy Management Ltd.**  
*Putting our energy into saving yours*

222 Edinburgh Drive, Unit 1  
Moncton, NB E1E 4C7

**Doug Briggs**  
Technical Sales Representative

Tel: (506) 857-0818 Ext 681  
Fax: (506) 857-0867  
Cell: (506) 878-7092  
Email: dbriggs@aemltd.com  
Web: www.aemltd.com

**ALERTON**  
AUTHORIZED DEALER

## Advertise Your Company Here!

For more information contact the Herring Choker editor  
at:

[editorashraenbpei@gmail.com](mailto:editorashraenbpei@gmail.com)





**ASHRAE NB/PEI Chapter  
Scholarship Application Form  
Glen Cowan Memorial Scholarship**

**Eligibility:** a high school graduate who is the immediate family member of a Chapter Member in good standing and who is enrolled in a University or Community College program. Consideration will also be given to students who are already enrolled and are continuing a University or Community College program.

**Selection Criteria:** Academic results, financial need and extra-curricular activities

**Amount:** \$1,000

**Student Name:** \_\_\_\_\_

**Residence Address:** \_\_\_\_\_

**Telephone #:** \_\_\_\_\_

**Permanent Address:** \_\_\_\_\_

\_\_\_\_\_

**Telephone #:** \_\_\_\_\_

**Chapter Member:** \_\_\_\_\_

**Institution Enrolled In:** \_\_\_\_\_

**Program Enrolled In:** \_\_\_\_\_

**References:**

1. \_\_\_\_\_

**Relationship:** \_\_\_\_\_

**Tel. #:** \_\_\_\_\_

2. \_\_\_\_\_

**Relationship:** \_\_\_\_\_

**Tel. #:** \_\_\_\_\_

**Extra Curricular Activities:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_