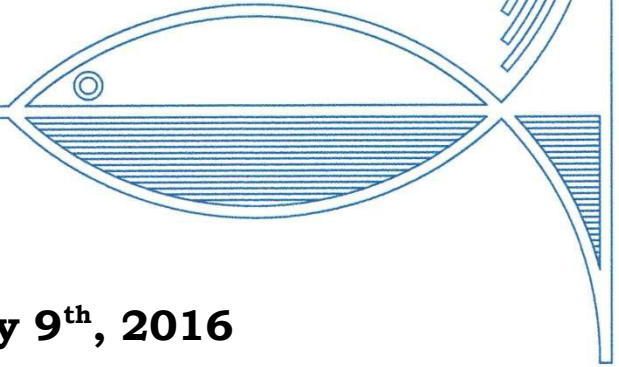




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David Samuel, Yves Savoie,
Camille Chevarie, Luc Dugas,
Matthew Peachman, Ryan Gosson,
Devin Harinarine, Terry Thibodeau

February 2016 Issue

Next Meeting Tuesday February 9th, 2016

Location: Five Bridges Bar & Grill

121 Pine Glen Rd, Riverview, NB E1B 1V5

Executive Meeting Notice

All members of the Board of Governors, Committee Chairpersons and the Executive are reminded that the executive meeting begins at 4 PM at the Five Bridges Bar & Grill.

Meeting Agenda

4:00 pm – Board of Governors Meeting (all are welcome)

5:00 pm – Attitude Adjustment Hour

6:00 pm – Presentation: Climate Change Regulation and the Next Generation of Refrigerants, featuring Mike Thompson Global Leader of Refrigerant Strategy for Ingersoll Rand.

7:00 pm – Dinner: Deluxe Chicken Buffet (Members \$25)

Please RSVP: treasurerashraenbpei@gmail.com

Many thanks to January's speaker Andrew R. Lavoie, CET and his presentation on Specifying BACNet Systems. This presentation led us to an open and much needed discussion on this subject between engineers, suppliers and contractors.



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Mechanical Design Engineer
Associate

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Introduction to Our Speaker

Mike Thompson is Global Leader of Refrigerant Strategy for the Ingersoll Rand businesses of Trane, and Thermo King. Mike has worked for Ingersoll Rand in the heating, ventilation and air conditioning (HVAC) industry for 25 years.

In this role, Mike is responsible for developing and communicating Ingersoll Rand's environmental message to the industry, and working with the sales distribution organization globally to educate customers on the importance of environmental issues when selecting HVAC and refrigeration systems. Mike also works with Trane's leadership and technology groups to help navigate the complexity of global refrigerant regulations now, and in the future.

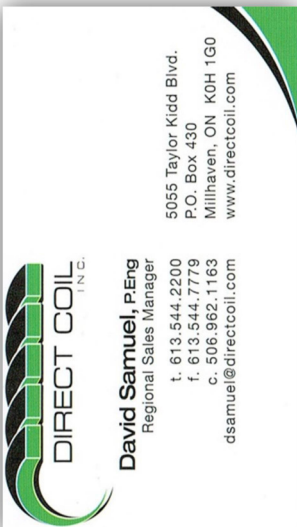
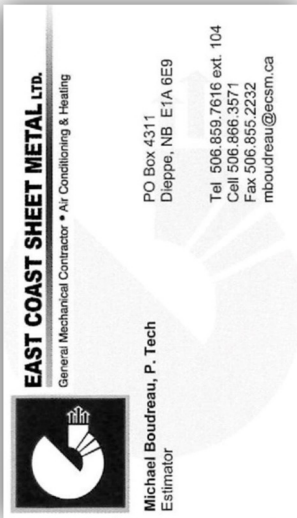


He's held numerous positions with Trane including Field Sales and Global Marketing manager for Trane's large tonnage chillers, and Director of Environmental Affairs for Trane.

Mike is member of the technical development committee for the GBI (Green Building Initiative) Green Globes green building rating system. The Green Globes rating system is a newly developed green building rating system that provides an alternative rating system that stresses ease of use, and rewards green building planning during all phases of building development.

Mike is an active member in a wide range of HVAC industry organizations including ASHRAE, and the International District Energy Association, and also represents Ingersoll Rand in the global Montreal Protocol meetings.

Mike earned a bachelor's degree from Texas A&M University in mechanical engineering.



Climate Change Regulation and the Next Generation of Refrigerants

Presented By:

Mike Thompson
Global Leader of Refrigerant Strategy
Ingersoll Rand

Presentation Points Overview

- Increasing Global Threats to the HFC's
- Global HFC Regulatory Status October 2015
- New Efforts to Phase Down HFC Use in the U.S.
- Commitments Made
- Why Go After HFC's?
- Availability and Timing
- Timeline of Refrigerant Usage
- Timeline of HFC Phasedown Regulations and Proposals
- New Technology and Refrigerants
- Considerations for a New Refrigerant
- New Definitions for "Slightly Flammable" Refrigerants
- Alternative Refrigerant Candidates
- Modification of Current 2L Limits May be Incorporated for Safety
- What About Natural Refrigerants like CO₂?
- Summary
- What is Really Important Over the Life of the Chiller?
- What Actions Should I Take?

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Email: rdesjardins@blackandmcdonald.com www.blackandmcdonald.com

YEA and Student Members Social Activity: Resurgo Place Tour (All members are welcome to join!)

Free guided social tour of the Moncton Museum and Transportation Discovery Centre compliments of ASHRAE NB/PEI Chapter.

Regular admission fee and tour guide will be paid for. All you need to do is RSVP and show up!

Date, Time & Location:

**Thursday February 25, 2016 at 5:15pm
20 Mountain Road, Moncton, N.B.**



"Resurgo Place, home of the Moncton Museum and Transportation Discovery Centre offers visitors a unique and interactive experience dedicated to history, science and transportation. The new facility, which opened to the public in August 2014, has been expanded to include high-quality exhibitions and hands-on interactives. The reorganized exhibition spaces make it a unique, state-of-the-art facility that offers original programming while continuously promoting heritage. Resurgo Place is a source of great pride for local citizens and is a dynamic, exciting destination."

For more information on the museum visit

<http://resurgo.ca/>

In order for us to get attendance numbers please RSVP to:

dje@crandallengineering.ca

BEFORE February 19, 2016. Space is limited.

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2015-2016 Year New Chapter Members

- **Alain Belanger**, City of Edmundston
- **Michael Boudreau**, Xylem, Saint John
- **Joe Bystryk**, Orange Door Engineering, Charlottetown
- **Jason El-khoury**, Student
- **Ryan Gosson**, Fundy Engineering, Saint John
- **Patrick Grant**, MCA Consultants, Charlottetown
- **Nathan McGillivray**, exp., Fredericton
- **Jennifer Dawn Miller**, MCW Maricor, Saint John
- **David Simpson**, Crandall Engineering, Moncton
- **Ighan Tashirshamsi**, Student
- **Philippe Alexander-Angers**, Student
- **Elisha Hall**, Student
- **Zacharey Spike**, Student
- **James Handrahan**, Student

ASHRAE Afternoon Out With the Cats!

On behalf of our Chapter, we would like to invite you to attend a hockey game between the Moncton Wildcats and the Charlottetown Islanders at 3:00 PM on Sunday February 21st, 2016 at the Moncton Coliseum.

\$10.00 per Member and per Spouse/Companion;
\$15.00 per Non-Member and per Spouse/Companion;
\$10.00 per Student/Youth
\$10.00 per Captain's Choice Food Option

The cost for this event includes game tickets only. If you want to opt for the Captain's Choice food option (Cavendish Fries, Hamburger or Hot Dog, and a Coke product), it is available for \$10 per person.

Please forward completed form no later than February 12th, 2016 by email to Dan Boudreau at:
dboudreau@mcw.com



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YEA Leadership Weekend

The ASHRAE NB-PEI Chapter will be proudly represented at the Spring 2016 YEA Leadership Weekend in Austin, Texas, February 19-21, 2016 by:

Daniel El-Khoury & Shelby Gallant

YEA Leadership Weekend is an opportunity for you—the future leaders of ASHRAE—to learn more about Society, develop soft skills and network with other young professionals. Over 450 YEA members have already taken advantage of this great opportunity...will you be next?

This event will include segments on understanding your own personality as well as other types, leadership development for young professionals, communication techniques and ASHRAE leadership opportunities.



Hear what some previous YEA Leadership Weekend attendees gained from their experience:

"The training I gained from YEA Leadership Weekend has been valuable in learning how to deal with different types of personality types. In addition, I have been able to plan new successful YEA events for my chapter through the ideas that I learned from other YEA members who attended this event."

"Learning about ASHRAE at YEA Leadership Weekend has helped me move up within my Chapter and encouraged me to attend TC meetings at ASHRAE Conferences. In the office, the leadership portions of the weekend helped me take on more active roles dealing with clients and assisting co-workers."

"By attending YEA Leadership Weekend, I was able to understand my personality profile, which has allowed me to work better in various work group situations and I am more understanding of other people."



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HVAC Design: Level I – Essentials **Halifax HVAC Design Training May 9 - 11, 2016**

Location: Dalhousie University Halifax, Nova Scotia
Canada B3H 4R2 (All Info from link below)

<https://www.ashrae.org/education--certification/hvac-design-training/halifax-hvac-design-training-may-2016>

Fee Covers: Course admittance, course materials, publications, break refreshments, lunches, and reception. (Register 30 days prior to training date, for Early Bird pricing)

Company Discount Fee: Enroll 3 or more participants from the same company at the same time and save.

ASHRAE's HVAC Design: Level I - Essentials training provides participants with instruction that accelerates their transformation into effective members of a design, construction or facilities maintenance team. Developed by industry-leading professionals selected by ASHRAE, the training provides attendees with the fundamentals and technical aspects of HVAC design. Attendees will gain practical skills and knowledge to design and maintain HVAC systems that can be put to immediate use.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the renovated ASHRAE Headquarters building. The training also teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations. Engineered drawings of the ASHRAE Headquarters renovation will also be discussed so participants are exposed to plan reading and visual understanding of system design.

Who Should Attend

- Engineers new to the HVAC industry, including recent engineering graduates lacking practical experience
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain design knowledge
- Architects who want to understand HVAC system design
- Sales engineers and HVAC equipment suppliers who want to gain a broad knowledge of HVAC systems

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HVAC Design: Level I – Essentials Continued

How Your Firm Will Benefit

The training helps attendees understand:

- The need to improve overall building performance
- The technologies that lead to improved building performance
- The economics of sustainable buildings and the roles of the designer and facilities manager
- The basic skills needed to design high-performance buildings
- The skill set that will be required by designers of the future
- Techniques to interact effectively with all design partners (architects, owners, other engineering disciplines) in an integrated design team
- The capacity to participate in the design of high-performance buildings

Attendees of HVAC Design: Level I will earn up to 18 Professional Development Hours.

Bonus – Free Copy of ASHRAE Green Buildings Standard and User's Manual

Attendees each receive a free copy of ASHRAE Standard 189.1-2014 for the Design of High Performance Green Buildings and the 189.1 User's Manual – a value of over \$200.

Cancellation Policy

Transfer, Cancellation and Refund Policy: If you cannot attend, notify ASHRAE Learning Institute prior to 14 days before the training, and ASHRAE will refund your fee, minus a \$25 administrative charge. Because this training has limited enrollment, refunds will not be made for cancellations received after that date or for non-attendance. You may enroll a substitute at any time before the training starts by contacting Karen Murray by phone 678-539-1146 or email. kmurray@ashrae.org



Kevin's Historical Tidbits The February 1999 Meeting

Steve Tweedie wins ASHRAE Engineering Design Award at 1999 ASHRAE Winter Conference. This is to date, the only Technology Award won by any member of this chapter.

The monthly speaker was Mr. Greg Lewis of ITT Fluids talking about boiler level controls.

Special Guest that month was Mr. Denis Potvin Region II Research Promotion RVC.

Chapter Scholarship of \$500 for Son or Daughter in a two year engineering or science program was advertised. This scholarship was later won by David Cowan, son of chapter member David Cowan.

Chapter President was William (Bill) Hooper.

2015-2016 Schedule

February 9: Climate Change Regulation and the Next Generation of Refrigerants, featuring Mike Thompson.

February 21: Afternoon with the Cats, Moncton Wildcats game social event.

March 8: Brewery technical tour?

April 14: ASHRAE Distinguished Lecturer Bill Bonflip.

April 21: ASHRAE Webcast - Realistic Commercial Net Zero Building Design through Energy Conservation and Renewables - NBCC Fredericton and Moncton

May 18-19: MEET Show in Moncton, NB

June 14: TBA Social

June 25-29: 2016 ASHRAE Annual Conference in St Louis, MO

August 26-28: 2016 ASHRAE Region II Chapter Regional Conference in Moncton, NB (Volunteers Needed!)

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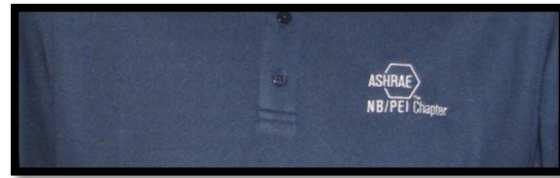
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ASHRAE NB/PEI Crested Polo Shirts for Sale



We now have a supply of men's navy blue polo shirts with our ASHRAE chapter logo embroidered on the left chest (see photo). These shirts are 100% polyester with moisture wicking properties and are anti-microbial. They are available from Dwight Scott for \$20 (cash please) in M, L, XL and 2XL sizes. Sharlene Innes will be coordinating shirt orders for women's shirts.

The LeaDRS Program

Interested in getting more involved with AHSRAE, getting great mentorship, experience and a free trip to **St Louis in June 2016?**

Have a look at the link below regarding the leaDRS program. It's a great opportunity for anybody looking to contribute to ASHRAE as the selected member will shadow the DRC (Director and Region Chair) during the ASHRAE annual conference.

"The goal of the LeaDRS program is to help the development of future Regional leaders through their shadowing of current DRCs and support from the Region. LeadDRS is a program that is run, funded, and administered by each Region in order to develop incoming or new Regional leadership. As a participant in this program, the DRC would select a participant from the Region to shadow the DRC at a Society Winter or Annual conference. The participant's travel expense would be covered by the Region as an investment in the development of their future leadership. While not specifically required, it is the intention of this program to prepare new YEA members their upcoming duties and expectations as a Regional leader through direct interaction with the DRC."

<http://region2.ashraeregions.org/other.html>

Application deadline is March 4, 2016