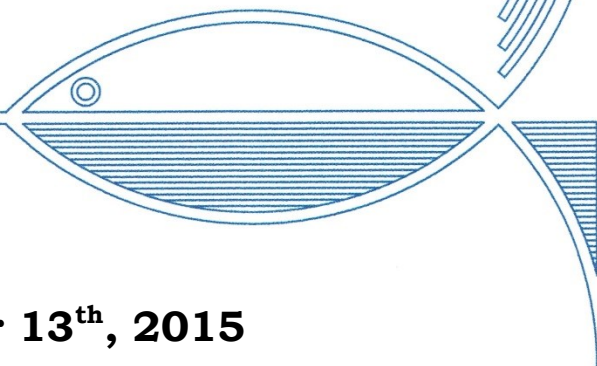




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October 2015 Issue

Next Meeting **Tuesday October 13th, 2015**

Location: Moncton Elks Club Lodge

12 Weldon Street, Moncton, N.B. E1C 5V8

Parking: Elks Club parking lot

(Coin Cabinet is option)

Executive Meeting Notice

All members of the Board of Governors, Committee Chairpersons and the Executive are reminded that the executive meeting begins at 3:30 PM at the Moncton Elks Club.

Meeting Agenda

4:00 pm – Board of Governors Meeting (all are welcome)
5:00 pm – Reception with cash bar
6:00 pm – Presentation: Building Information Modeling (BIM)
7:00 pm – Dinner: Slow Roasted Prime Rib, Mixed Veggies,
Caesar Salad & Desert

Presentation Abstract

This presentation will explain what **Building Information Modeling (or BIM)** is; demonstrating specific examples of how this new process is transforming the traditional method of design & construction. The focus will be on the benefits of a 'data-rich' 3D model and how it can be leveraged over the lifecycle of a project. The presentation will show the benefits to building owners, architects, engineers, contractors and facility managers.

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Robert McEwen, P. Eng.
Mechanical Design Engineer
Associate

Moncton Saint John Halifax Charlottetown Truro Toronto Winnipeg Vancouver

Introduction to our speaker

Mark Doyle is a BIM Specialist at CBCL Limited responsible for BIM coordination & development throughout the company. Using software such as Revit and Navisworks, Mark provides 3D coordination models to design teams to aid in the design process.

Mark's prior experience saw Him provide BIM coordination on many large scale military projects, specifically aircraft hangars. He also completed a *Lesson's Learned* document Regarding BIM use on a \$2B "super hospital" in Montreal, a project which had over 70 3D models and 130 modellers.

Mark also attended Autodesk University in 2014.



Kevin's Historical Tidbits

Twenty five years ago this month, October 1990, the ASHRAE monthly meeting was held at Judson's Restaurant on Westmorland St. which is now Gusto's Italian Bar & Grill!

The guest speaker was Mr. Ralph Ross director of All Saints Hospital in Springhill, Nova Scotia. Mr. Ross' presentation was on Geothermal Energy from Coal Mines in Springhill.

The chapter President at the time was Gary Fahie.

The treasurer reported a closing balance at the end of September of \$1591.39 a far cry from the finances of today!

RP Goal was set at \$4400!

The stamp required to "snail mail" the Herring Choker out to each member was a whopping 39 cents!



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September Meeting Presentation Review

Commercial Noise Control

Presented by: David Aquilina, P.Eng. Products Manager and Acoustician for Kinetics Noise Control, Inc.

Overview of topics covered during the presentation:

- Why Acoustics?
- Properties of noise and sound
- Airborne sound
- Characteristics of a wave
- Sound power and sound pressure
- Logarithmic addition
- Subjective reaction to changes in Lp
- The sound spectrum
- Condensing the spectrum : NC level
- Condensing the spectrum: A-Weighting (dBA)
- Properties of the Silencers
 - Silencer Parameters
 - Silencer Performance
 - Silencer Insertion loss
 - Silencer Pressure Drop
 - Silencer Generated Noise
 - Silencer Tuning Performance
 - Silencer vs. Duct Lining
- Performance testing: ASTM E477
- Sound Source Paths
- Acoustic calculation (indoor)
 - Silencer location
 - System effect
 - Danger of down blast
 - Acoustic media
 - Media lining
 - HTL casing and breakout
- Other Commercial Noise Control Products
- Acoustic calculation (exterior)
 - Sound propagation
 - Directivity
- Gen-set silencers
- Sound Columns
- Louvers
- Plenums
- Sound barriers
- Case Study – Evaporative Cooling Towers
- Case Study – Rooftop Condensers

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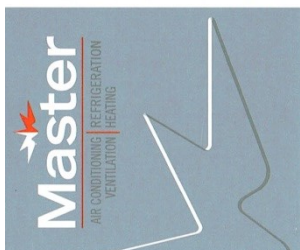
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Jan. 23–27 | Orlando Hilton | Orlando, Fla.

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Special first time attendee registration fee available! Low, early-bird registration rates end Nov. 2. Register early! Registration to the ASHRAE Winter Conference includes free access to the AHR Expo!



2016 AHR Expo
Jan. 25–27 | Orange Co.
Conv. Center | Orlando, Fla.



Venues are strategically
located next to each
other for easy access.

ASHRAE Winter Conference Registration Information

Advance through Nov. 2

- \$395, member/\$595, non-member
- \$370, first-time member attendee/\$570, first time non-member attendee
- \$105, Life Member

Fees beginning Nov. 3

- \$420, member/\$620, non-member
- \$395, first-time member attendee/\$600, first-time non-member attendee
- \$115, Life Member

Fees beginning Jan. 1

- \$550, member/\$750, non-member
- \$525, first-time member attendee/\$725, first-time non-member attendee
- \$125, Life Member

Registration fees for speakers, student branch advisors and students

- \$105, speaker
- \$25, student branch advisor
- \$25, student member/\$55, full-time student non-member

Need to justify your attendance to your boss?

Download the Sample Letter requesting employer support to attend the 2016 ASHRAE Winter Conference from:

www.ashrae.org/membership--conferences/conferences/2016-ashrae-winter-conference

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Tentative 2015-2016 Schedule

September 8: Acoustics and Vibration, featuring David Aqualina, Products Manager and Acoustician for Kinetics Noise Control, Inc.

October 13: Building Information Modeling featuring Mark Doyle, BIM Specialist at CBCL Limited.

November: Whisky Distillation Guest Lecture in Fredericton, featuring Professor David Innes.

November 17: CSA B52, ASHRAE 15, and Refrigerant Safety, featuring Shawn Slaunwhite, Daikin Commercial Sales Manager Atlantic Canada.

December 8: Christmas Social Meeting, with guest speaker Ellen Tucker on Travel Trends.

January 12 : Specifying BACNet Systems with guest speaker Andrew Lavoie, Energy Analyst at MCW Custom Energy Solutions

January 23-27: 2016 ASHRAE Winter Conference in Orlando, FL (see pg.4)

February 9: TBA

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

March 8: TBA

April 12: ASHRAE Distinguished Lecturer Stephen Hamstra, President at Greensleeves LLC.

May 18-19: MEET Show in Moncton, NB (Volunteers Needed)

June: TBA

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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