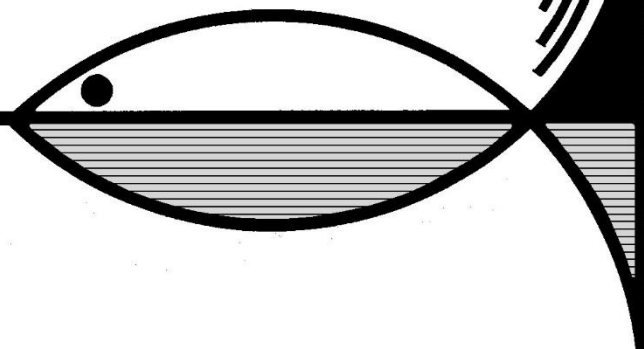


The Herring Choker

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NB PEI CHAPTER



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The next meeting will be
Tuesday, October 14th, 2014

Location: Sirocco Mediterranean Restaurant
40 Weldon Street, Moncton E1C 5V8
(free parking on south side of building)

Agenda 4:00 pm – Board of Governors Meeting (open to all)
5:00 pm – Reception with cash bar
6:00 pm – Presentation: **Control Valve Applications**
7:00 pm – Dinner

ABSTRACT

Four types of control valves will be discussed.

Manual Circuit Balancing valves only work at maximum flow. As valves close in the system the excess flow is directed to other valves with lower pressure drops.

Pressure Independent Valves provide dynamic balancing by maintaining constant flow regardless of differential pressure drop.

Electronic Pressure Independent Valves (Flow Feedback Only) provide:

- no need for balancing valves
- no need for balancing labour or rebalancing of the system
- better control of VFD speed with one pressure sensor
- increased efficiency at the boiler and chiller plant level

Energy Valves (BACnet read/write capability) provide:

- energy metering and control valve in one while maintaining dT
- power control, which directly controls the desired parameter (power)
- setting power output to a specific value in a linear response. Coil and valve characteristics become irrelevant. Coil control is now both pressure and temperature independent (i.e., 30% increase in signal = 30% increase in power. We can measure BTU's; therefore, control by BTU's.

(continued on page 2)

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ABSTRACT (continued)

Presentation topics include:

- Problems Caused By Control Valve Overflow
- Effects of Valve Authority
- Pressure Independent Valves
- BTU Monitoring and Control

SPEAKER'S BIO

Clark Campbell, CET, is Belimo's District Sales Manager for Eastern Ontario & Atlantic Canada. He has been with Belimo for seven years, starting as the Canadian retrofit person for custom mounting hardware. He then moved on to his District Sales Manager position. He is also involved in his local OACETT chapter as its Secretary and is a member of ASHRAE. Clark has worked in the valve industry for forty years, sizing and specifying control valves for all types of process applications.

ASHRAE FINANCIAL SUPPORT AVAILABLE

There are several types of financial aid available – Society level, and Chapter level. The Society provides assistance (up to \$10,000) in various categories. Check out <https://www.ashrae.org/membership--conferences/student-zone/scholarships-and-grants/scholarship-program> for more details. Note that some awards have an application deadline of December 1st. It's worth noting that not all scholarships are awarded every year due to lack of applications.

Chapter awards are detailed on the chapter website at <http://www.ashraenbpei.com/main.html> under Forms. Note that the Chapter application form is modeled on the Society form, so applicants need only do a "cut and paste" to apply for awards in any category. Brief statements from the applicants are required for:

- Professional goals
- HVAC&R involvement
- Financial need
- Extracurricular activities/hobbies

The other sections of the form are merely personal data, education, work experience and references.

If you don't apply, you won't stand a chance. There's money available if you make the effort.

page 2/8

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PHOTOS WANTED

Photos are desired for the chapter's website. Photos of chapter activities can be submitted for the Gallery. Photos of engineering projects can be considered for the home page photo scroll. Please send your digital images to the webmaster, Jenifer Chapman, at jennifer@aquavapgroup.ca.

WEBCAST

This year's free ASHRAE webcast will feature a panel on Existing Building Commissioning. Sometimes, a new facility is commissioned and then ignored. Just like automobiles, occasional maintenance keeps them running better. Deferred maintenance might save money initially, but can be very costly in the end. Mark Thursday, April 23, 2-15 and take advantage of this informative webcast. For more information, go to <https://www.ashrae.org/membership--conferences/webcasts>.

New Tomorrows for Today's Buildings: Existing Building Commissioning

**April 23, 2015
2:00-5:00 p.m. Atlantic Time**

NEW MEMBER

Welcome to **Marc-Andre Boudreau**, a student at la College de Rimouski.

SUMMARY OF SEPTEMBER MEETING

The September 10th 2014 meeting featured a presentation by Robyn Ellis, B.Eng., CFM, on **Facilities Management – Long Range Strategy with Limited Resources**.

The presentation highlighted the various factors that contribute to Facilities Management such as Facilities Portfolio, Strategic Planning Cycle for FM, IFMA Competencies, and Emerging Trends in FM.

(continued on page 4)

page 4/8



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The Facilities Portfolio describes the limited resources such as capital budget, infrastructure and operational cost of the facilities and how they can be managed. The strategic planning cycle explain the various steps to accomplish the mission which included the strategies, measures & targets, results, goals and desired outcomes to deliver excellence in facilities management with limited resources.

There are eleven International Facility Management Association (IFMA) core competencies which are communication, emergency preparedness and business continuity, environmental stewardship and sustainability, finance & business, human factors, leadership and strategy, operations and maintenance, project management, quality assurance, real estate and property management and technology. People, places, processes and technology all focus on facilities management.




Robyn Ellis, RVC SA, Region II
 Accepting thanks from
 Chapter President, Mike Boudreau

page 5/8

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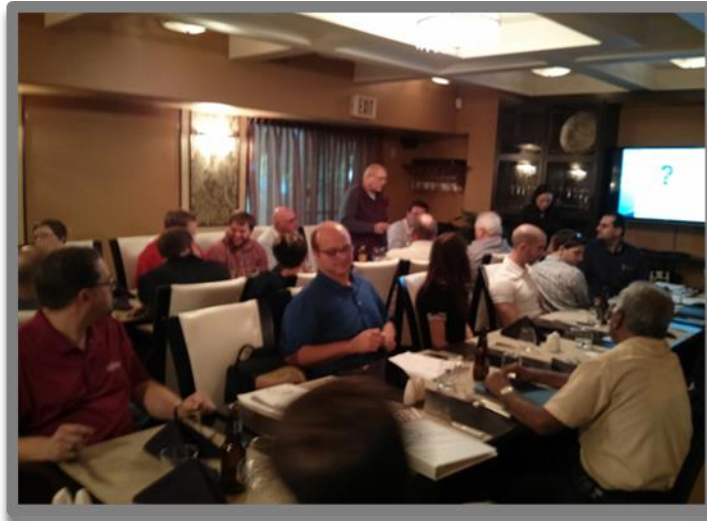
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page 6/8

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ASHRAE NB/PEI CHAPTER MEETINGS FOR 2014-2015

Note: Meetings are normally on the 2nd Tuesdays of the month except for November 18th. If you have any suggestions or comments about the meeting topics or speakers, please contact our CTTC Chair, Kevin Clannon at kclannon@master.ca

Details regarding speakers and topics will be posted as available in future issues of *The Herring Choker* and on the chapter website (www.ashraenbpei.com).

July 31 st	Golf Tournament
September 9 th	How to Deliver Excellence in Facilities Management Services within a Limited Budget Robyn Ellis, RVC for Student Affairs, Region II <i>Membership Promotion Night</i>
October 14 th	Control Valve Applications <i>Student Night / YEA Night</i>
November 18 th	(to avoid conflict with Remembrance Day) Oil-free Magnetic Bearings <i>Refrigeration Night</i>
December 9 th	Technical Tour? <i>Past Presidents Night / Research Promotion Night</i>
January 13 th	TBD <i>Student Night</i>
February 10 th	TBD <i>Membership Night</i>
March 10 th	TBD <i>History Night</i>
April 14 th	Techniques for Energy Conservation – Home, Office, and Refrigerated Facilities Distinguished Lecturer and Presidential Member, Ron Vallort <i>Refrigeration Night / Research Promotion Night</i>
April 23 th	ASHRAE Webcast: Retro-Commissioning and the Life Cycle Cost Analysis
May 12 nd	BOMA and ASHRAE Joint Meeting <i>Grassroots Government Activities Night</i>
June 9 th	TBD: Final meeting of the year

DONOR RECOGNITION

Each year Each year ASHRAE society members and contributors donate over \$2 million towards HVAC research activities. This past year our chapter raised over \$13,500 for the campaign, completely due to the generosity of our local society members and corporations. Our chapter thanks those who contributed to the 2013-14 Research Promotion campaign. Our success as a relatively small chapter has been noticed across North America. We look forward to another successful campaign in 2014-15 in partnership with our great local supporters.

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