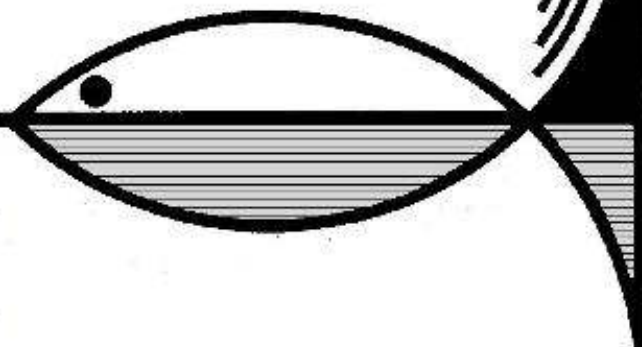




# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER



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### Refrigeration:

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(506) 858-5688

### Board of Governors:

Frédéric Bernard,  
Pierre Comeau,  
Dan Boudreau, Eric LeBlanc,  
Ken Martin, David Samuel,  
Chris Thompson,  
Yves Savoie, John Willden

The next meeting will be  
**Tuesday, November 18<sup>th</sup>, 2014**

**Location:** Sirocco Mediterranean Restaurant  
40 Weldon Street, Moncton, NB 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: **Oil Free Magnetic Bearings**  
7:00 pm – Dinner

## ABSTRACT

Topic: Oil Free Magnetic Bearing Compressors for Chillers

Jose Alvares currently holds the position of Director of Sales for North, Central, and South Americas for Danfoss Turbocor Compressors. He has over 19 years of experience in the global HVAC and refrigeration industry, and held multiple positions in Global Product Management, New Product Development, Design and Application Engineering between the United States and Brazil. He holds a Bachelor of Science in Mechanical Engineering from Federal University of Itajuba, Brazil, and an MBA from Mercer University.


## 2015 ASHRAE Winter Conference

The 2015 Winter Conference will be held January 24-28 at the Palmer House Hilton in Chicago, IL. Early bird registration fees are available for US\$425 for members, US\$635 for non-members. First time attendees receive a discounted early bird rate of US\$400 members/US\$610 non-members. Early bird rates are available until January 1. Further discounted registration fees of US\$25 are available for student members of ASHRAE. Please visit [www.ashrae.org](http://www.ashrae.org) for more details.

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## ASHRAE Guest Speaker at University of New Brunswick

The Chapter Research Promotion Chair, Rob Hoadley, was invited as a guest speaker at the 10<sup>th</sup> Mechanical Engineering Graduate Student Conference at the University of New Brunswick. The presentation took place on November 12 at Head Hall, on the Fredericton campus of UNB. The presentation was intended as an introduction both to the HVAC industry and ASHRAE and ASHRAE Research.

The presentation began with a description of the history of ASHRAE and the origins of the HVAC industry in North America. The role of ASHVE and ASRE (the founding societies of ASHRAE) in conducting research regarding HVAC topics was integral in developing the rules of thumb and standards we used today. Many of the students were not aware of the origins of air conditioning and refrigeration, early forms of building heating, or even the effects of the energy crisis of the 1970s on building design.

The presentation also provided information on various grants and scholarships available to students through ASHRAE. The Graduate Grant-in-Aid, a \$10,000 award to a graduate student conducting HVAC research, was particularly of interest to the assembled graduate-level students.

The UNB Mechanical Engineering Graduate Student Conference provides an opportunity for graduate level students to present their work to fellow students and faculty. It is jointly organized by the UNB Department of Mechanical Engineering and the Mechanical Engineering Graduate Student Society. Proceeding of each conference are published on the UNB Department of Mechanical Engineering website at [www.unb.ca/fredericton/engineering/depts/mechanical/](http://www.unb.ca/fredericton/engineering/depts/mechanical/).



*An image from the presentation, showing methods of lake ice harvesting, an early form of refrigeration.*

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Manager | Energy Practice | Moncton

## ASHRAE Self Directed Learning

ASHRAE offers self-directed courses to learn the basics of eight distinct fields in the HVAC&R field. These self-directed courses can be tackled as an individual, or as a member of a group or corporate study group. These courses provide valuable primers for young engineers or technicians new to the HVAC&R world. ASHRAE currently offers the following course books:

- Fundamentals of Air System Design
- Fundamentals of Building Operation, Maintenance, and Management
- Fundamentals of Heating and Cooling Loads
- Fundamentals of Heating Systems
- Fundamentals of Refrigeration
- Fundamentals of Steam System Design
- Fundamentals of Thermodynamics
- Fundamentals of Water System Design

Individuals ordering these course books will also receive sets of course exercises and application examples. Group or corporate organizations will also receive instructor's manuals, Power Point presentations, and exercise answer sheets. Individual course books are available for US\$150. Group rates (minimum of 10 individuals) are available at US\$79 per individual. Those who complete the coursework will receive ASHRAE certificates of completion. For more info, visit: [www.ashrae.org/education--certification/self-directed-or-group-learning](http://www.ashrae.org/education--certification/self-directed-or-group-learning).

## Fredericton and Saint John Chapter Members

Are you a chapter member in Fredericton, the Saint John River Valley, or Saint John, who is interested in a social or technical event to be held in Fredericton or Saint John? In order to gauge interest in future events, please e-mail Rob Hoadley at [robert.hoadley@rogers.com](mailto:robert.hoadley@rogers.com) with expressions of interest or suggestions of future events. Please also indicate if you are a YEA (Young Engineer in ASHRAE) member who is interested in attending a joint student/YEA event, or if you are interested in becoming more involved in ASHRAE at the chapter level.

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## DONOR RECOGNITION

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. We look forward to another successful campaign in 2014-15 in partnership with our great local supporters. We also look forward to thanking each of our donors at our upcoming RP Night on December 9.

### Top Ten Donors

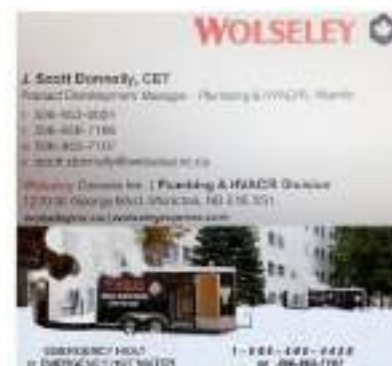
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## ASHRAE NB/PEI CHAPTER MEETINGS FOR 2014-2015

**Note: Meetings are normally on the 2<sup>nd</sup> Tuesdays of the month except for November 18<sup>th</sup>. If you have any suggestions or comments about the meeting topics or speakers, please contact our CTTC Chair, Kevin Clannon at [kclannon@master.ca](mailto: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](http://www.ashraenbpei.com)).

December 9 <sup>th</sup>	<b>Annual Christmas Social</b> <i>Past Presidents Night / Research Promotion Night</i>
January 13 <sup>th</sup>	<b>TBD</b> <i>Student Night</i>
February 10 <sup>th</sup>	<b>Dedicated Outdoor Air Systems</b> <i>Membership Night</i>
March 10 <sup>th</sup>	<b>Fan Efficiency Grades</b> <i>History Night</i>
April 14 <sup>th</sup>	<b>Techniques for Energy Conservation – Home, Office, and Refrigerated Facilities</b> Distinguished Lecturer and Presidential Member, Ron Vallort <i>Refrigeration Night / Research Promotion Night</i>
April 23 <sup>th</sup>	ASHRAE Webcast: <b>Retro-Commissioning and the Life Cycle Cost Analysis</b>
May 12 <sup>nd</sup>	<b>BOMA and ASHRAE Joint Meeting</b> <i>Grassroots Government Activities Night</i>
June 9 <sup>th</sup>	TBD: Final meeting of the year