



# The Herring Choker

**ASHRAE**  
NB PEI CHAPTER



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## April Meeting

The April meeting is scheduled for **Wednesday April 18<sup>th</sup>** at NBCC Moncton, 1234 Mountain Road. This will be an ASHRAE Webcast entitled **“Indoor Environmental Design: Practical Solutions to Everyday Problems”**. The webcast starts at 2:00 PM in room B2120. There will be signs directing attendees to the room.

April's meeting is **Student Night**.

## Executive Meeting Notice

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the executive meeting will start at noon at the Construction Association.

## Summary of March 13, 2007 Meeting Commercial Kitchen Ventilation

Mr. George McGrath, president of Melink Canada described the benefits of *on-demand kitchen ventilation*. The principle of the control system is to reduce exhaust and make-up airflows when kitchen appliances are not cooking at design outputs (e.g., except at full load mealtimes).

A system of in-hood temperature sensors, VFD fan drives, and an optic smoke/vapour sensor are integrated with an I/O processor and operator keypad station. Hood efficiency can be improved by up to 50% by reducing airflows when not required. The advantage of proper placement of cooking appliances was stressed. Also, capture efficiency of hoods can be greatly increased by providing a significant overhang in front of the appliances; and rear and end “curtain walls” to reduce unnecessary air leakage. A six minute video animation may be viewed at: [http://www.melinkcorp.com/intellihood\\_animation.htm](http://www.melinkcorp.com/intellihood_animation.htm).

## Building Commissioning Seminar

Due to overwhelming interest, the Building Commissioning course is scheduled for May 8, 2007. See page 3 and 4 for details and registration information.

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**Michael C. Gillis, P.Eng.**  
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## April Meeting Executive Summary

**April 18, 2007: 2:00 – 5:00 AST**

### “Indoor Environmental Design: Practical Solutions to Everyday Problems”

This **free** broadcast will present specific solutions to the everyday challenges of achieving indoor environmental quality within real-world budget constraints. Speakers will describe how you can provide ventilation air that helps protect the building from mold risk, how to avoid the three most common mistakes in ventilation system design and operation, how to achieve all three goals of IAQ, thermal comfort and noise control at lower cost through better air distribution decisions, and how to provide comprehensive filtration without breaking your budget. This program is sponsored by ASHRAE's Chapter Technology Transfer Committee.

#### Tentative Schedule

- 2:00 p.m. Introduction – Don Rheem, Moderator  
Opening Remarks – Terry Townsend, ASHRAE President  
An Overview Perspective on Indoor Environmental Quality – Bill Coad, P.E.  
Ventilation Air – First, Do No Harm – Lew Harriman  
Ventilation System Design – Avoiding Three Common Mistakes – Hoy Bohanon Jr., P.E.  
**Audience Question and Answer Session**
- Approx. 3:20 p.m. Break  
Behind the Access Door – Advances in Affordable Filtration for IAQ – Chris Muller  
Noise, IAQ and Thermal Comfort – Can You Have It All? – Dan Int-Hout  
**Audience Question and Answer Session**
- 4:55 p.m. Closing – Don Rheem, Moderator

**Note: Topics, panelists, and scheduled times may change**




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ASHRAE'S NEWEST FULL DAY SEMINAR

***Building Commissioning for New and Existing Buildings***

is being presented **LIVE** in Moncton!

**DATE:** Tuesday, May 8, 2007

**LOCATION:** Room B2120  
 New Brunswick Community College  
 1234 Mountain Road, Moncton, NB, E1C 8H9

**COST:** \$150 for ASHRAE Members  
 \$200 for non-members

(If you would like to sign up for an ASHRAE Membership and haven't already done so this is a great way to save \$50)

Please fill out registration below and mail the form along with a check to:

**ASHRAE NB/PEI**  
 P.O. Box 1629  
 Moncton, NB  
 E1C 9X4

Also please fax a copy to Craig Brown at 506-855-3204 so we know how many plan to attend.

<u>Company</u>	<u>Name</u>	<u>ASHRAE Member</u>	<u>Fee</u>
_____	_____	Y / N	_____
_____	_____	Y / N	_____
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Please see page 4 for an abstract and speaker information

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## NB/PEI ASHRAE Chapter Meeting Schedule 2006/2007

**April 18, 2007 (Wednesday)**

Student Night

Topic: ASHRAE Webcast on Indoor Air Quality

**May 15, 2007**

History Night

Distinguished Lecturer: Bill Lotz

Topic: Geothermal Heating and Cooling Systems Fail on Two Commercial Projects

**June 12, 2007**

Technical Tour of the Bonté Foods Plant

### Building Commissioning Abstract

Building commissioning is a quality-focused process for enhancing the delivery of new construction projects and improving the performance of existing facilities. The process focuses on verifying and documenting that the facility and all of its systems and assemblies are planned, designed, installed, tested, operated, and maintained to meet the owner's requirements. This course, based on ASHRAE's Guideline 0-2005, "The Commissioning Process," explores the application of the commissioning process to new construction and to existing facilities. Attendees will also learn about the benefits of commissioning, documentation requirements, issues in specifying commissioning, and the economics of commissioning. The publication, ASHRAE Guideline 0-2005, (The Commissioning Process) is included with this seminar.

This **ASHRAE Learning Institute** provided at a reduced cost due to a grant received from the **Canadian Department of Natural Resources**. Canada wishes to encourage the adoption of energy efficiency and renewable energy technologies in all sectors of the Canadian economy. The Canadian government has reviewed case studies which demonstrate that commissioning and re-commissioning are primary tools for saving energy in buildings.

**SEMINAR LEADER:** Rick Casault, P.E., CDT, President of Casault Engineering, specializes in building commissioning master planning, new facilities building commissioning services from planning through occupancy, and retro-commissioning services for existing systems. He writes, teaches and speaks frequently about commissioning in the U.S. and abroad. He is co-author, with John A. Heinz, P.E., of *The Building Commissioning Handbook*, Second Edition, a major publication exploring all aspects of the building commissioning process.



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