



Airways

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American Society of Heating, Refrigeration and Air Conditioning Engineers

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Tuesday, September 21, 2010

Feasibility Studies for Buildings

Featured Speaker

Ben Oliver

**4th Year Mechanical Engineering & Management Student
McMaster University**

Benjamin Oliver is a 4th year Mechanical Engineering and Management student at McMaster University. For the past 3 summers, Ben has worked for EPOH Inc., an engineering, architecture and interior design firm in his home town of Sault Ste. Marie, ON. Over this time, he became heavily involved in the mechanical design of contract documents for various projects in the area. Highlights include a 44,000 ft² grocery store, a 68,000 ft² public health unit, an 11,000 ft² bingo facility and a 65,000 ft² library and indoor soccer complex.



Through the design of these buildings under his mentor, Cal Oswin, P. Eng., Ben has become familiar with the majority of the mechanical systems associated with building design. The abundance of experience gained under Cal's supervision has helped considerably in pursuing an ASHRAE Undergraduate Engineering Scholarship.

IMPORTANT – Please RSVP to John Molnar – john.molnar@lge.com – before September 15th, 2010 – as we must advise McMaster as to the number of "meals" required.

McMaster University

The Great Hall of the University Club

<http://www.mcmaster.ca/univclub/home.html>

5:30 pm – Dinner

7:00 pm – Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan Not Applicable

Featured Speaker (cont'd.)

At the meeting, Ben will be awarded the Reuben Trane Scholarship, one of the most prestigious ASHRAE undergraduate scholarships. He attributes the award to the experience he obtained from his job as well as the outstanding recommendations from his boss, his professor and a childhood friend.

Ben will be giving a presentation on the application process for the ASHRAE scholarship and will provide an overview of the projects he worked on during the past 3 summers.

This presentation is planned in tandem with the official launch of the McMaster Student ASHRAE Chapter. Please come out to support Ben and the first ever McMaster Student ASHRAE Chapter -- the future of our organization.

President's Report

September has come around much too quickly, leaving a wonderful summer behind! Now we are all thinking about kids returning to school, fall activities, and another year of ASHRAE dinner meetings and tours. We have about 75% of our speakers finalized for the year but please forward any suggestions for topics/speakers that you would like to see to anyone on our executive. Please review our planned activities for the year in this month's Airways.

The Hamilton Chapter has lined up some exciting programs for this fall and winter. We are very excited about our Sept 21 meeting at McMaster University. Ben Oliver, a 4th year Mechanical Engineering student at McMaster, will be our feature speaker and recipient of an ASHRAE scholarship. If you have any sons/daughters that are currently pursuing an engineering degree this would be a good opportunity to listen to Ben's story.

In late August- Region II (eastern Canada) of ASHRAE held its annual CRC (Chapters Regional Council) meeting in Halifax, which reports the activities of the Region with discussions to improve all our Chapter activities. We were pleased to have Ronald Jarnagin-President-Elect of ASHRAE join us for our meeting in Halifax.

The Hamilton Chapter is always looking for new employees of the Design/HVAC industry to join our Chapter and attend our monthly meetings. To all the employers we thank you in advance for your support and encouragement of your employees to take advantage of this opportunity to network and learn about our industry.

Finally, I am looking forward to meeting all of you, new members and old, at the upcoming Sept 21 meeting at McMaster University. If I can answer any questions please contact me at 519-885-7460.

Best Regards,

Mike Krewski, President 10/11

Upcoming Events

ASHRAE Winter Meeting AHR Expo

January 29 – February 2, 2011
Las Vegas
www.ashrae.org/lasvegas
www.ahrexpo.com

ASHRAE Half Day Course Implementing Standard 189.1-2009 for High-Performance Green Buildings

September 24, 2010
Toronto

*See last page of Airways bulletin
for additional information*

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ASHRAE News Releases

Standard 90.1 Featured in ASHRAE Fall Educational Courses

ATLANTA – Two new courses related to Standard 90.1 are part of the 12 online professional development courses being offered this fall by ASHRAE through the ASHRAE Learning Institute (ALI).

ASHRAE Introduces Its First iPhone App

ATLANTA – Calculating ventilation rates just became a little easier with a new iPhone application designed specifically for an interactive calculation spreadsheet related to ASHRAE's ventilation standard.

ASHRAE Handbook: A Reliable Resource for Refrigeration

ATLANTA – The diversity of refrigeration from ice rinks to refrigerant containment to freezing fruits and vegetables is covered in the latest Handbook volume from ASHRAE.

ASHRAE Publishes 2010 Residential IAQ Standard

ATLANTA – Changes to make requirements easier to use in home retrofits are covered in the newly published 2010 residential ventilation standard from ASHRAE.

2010 ASHRAE Ventilation Standard Brings Breath of Fresh Air to Industry

ATLANTA – New requirements regarding natural ventilation, exhaust systems and the IAQ Procedure are included in the newly published 2010 version of Standard 62.1.

Protocols for Performance Measurement Offered by Leading Building Groups

ATLANTA – It's long been realized in the building industry that you can't manage what you don't measure when it comes to building performance. But even if you measure, what ensures that those measurements are appropriate and meaningful?

**Click to go to the ASHRAE
Press Release web page**

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2010 – 2011 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the Royal Hamilton Yacht Club, at the north end of McNab St., on the Hamilton Harbour (If you need a map, visit our web site). New products and/or services may be presented informally via a "technical session" or a "table top demonstration" prior to dinner. After dinner, the main topic of the evening is presented by the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Terry Fowler (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

ASHRAE Hamilton Chapter Program Activity			
Date	Theme	Technical Session /Table Top Demonstration	Feature Speaker
September 21, 2009 (Not 2nd Tuesday)	Students	Ben Oliver, 4th Year Mechanical Engineering & Management Student McMaster University Feasibility Studies for Buildings	
October 12, 2010	Refrigeration		Refrigeration – What Have We Learned; Where Are We Going
November 9, 2010	Research /Awards		Hugh Crowther at the Grand Valley Golf Club
December 14, 2010	Social	Christmas Party / Past Presidents Night Warplane Heritage Museum	
January 11, 2011	Modelling		Building Modelling RDWI at the University of Waterloo
February 8, 2011	Membership		to be determined
March 8, 2011	History		to be determined
April 2011			Joint Meeting with ASHRAE Toronto Chapter
May 10, 2011	C.T.T.C.		Modelling for Grants Enermodal / Harp-Genivar
June 15, 2011 (Not 2nd Tuesday)	Social/ Research	Annual Golf Tournament	

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In conjunction with IIDEX/NEOCON Canada, ASHRAE is organizing the half-day course, Implementing Standard 189.1-2009 for High Performance Green Buildings, in Toronto on September 24. ASHRAE members can save over 25% off the regular price by using code: ASHRAE2010. Please distribute the course details below to your members today so that they can take advantage of this special offer. Seats are limited. This course is eligible for President Award of Excellence (PAOE) points.

ASHRAE's Half Day Course

Implementing Standard 189.1-2009 for High-Performance Green Buildings

(A Jurisdictional Compliance Option of the IGCC)

Seats are Limited

Known as the "The Green Standard," Standard 189.1-2009 sets the foundation for the design of green buildings through its adoption into local codes. This course provides numerous case studies, examples and thought-provoking questions that offer guidance on how to apply the requirements and criteria of Standard 189.1-2009 to a variety of project types and situations.

Included are: case studies of water recapture and re-use; application of onsite renewable energy; and determination if ventilation energy recovery is required. Examples are taken from different building project types and situations, such as an office building, university campus and mixed-use development.

This course is timely! In one day, you'll learn the minimum requirements for the design, construction and plans for operation of high-performance green buildings, including new buildings and their systems, new portions of buildings and their systems, and new systems and equipment in existing buildings, and ways to apply the requirements.

<p>Course Topics:</p> <ul style="list-style-type: none"> * Purpose and Scope of the Standard * Definitions, Abbreviations, and Acronyms * Administration and Enforcement * Site Sustainability * Water Use Efficiency * Energy Efficiency * Indoor Environmental Quality (IEQ) * The Building's Impact on the Atmosphere, Materials and Resources * Construction and Plans for Operation * Normative Reference 	<p>Instructor:</p> <p>Tom Lawrence, Ph.D., LEED-AP</p>
<p>When: September 24, 2010, 8:30 am – 12:30 pm</p> <p>Where: Allstream Centre 105 Princes' Boulevard Toronto, ON M6K 3C3, Canada</p> <p>Cost: By Sept. 15th: \$160 (\$125 - ASHRAE Member, use code: ASHRAE2010) After Sept. 15th: \$170 (\$135 - ASHRAE Member, use code: ASHRAE2010)</p>	
<p>*Registration includes course materials and a copy of Standard 189.1-2009, Standard for the Design of High Performance Green Buildings (A Jurisdictional Compliance Option of the IGCC)</p>	

Visit <http://www.iidexneocon.com/2010/index.php/seminars/day/Friday/#list> to register.