



Airways

Hamilton Chapter No. 037

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American Society of Heating, Refrigerating and Air Conditioning Engineers

Volume 52, No. 4

Our 52nd Year

December 2010

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Saturday, December 4, 2010

Past Presidents & Ladies Night

at the
Canadian Warplane Heritage Museum



IMPORTANT – For planning purposes, please RSVP to David Rasmussen – tigerdave60@yahoo.ca – as soon as possible. Note that a minimum of 40 people are required to hold this special event.

Canadian Warplane Heritage Museum

9280 Airport Road, Glanbrook, ON L0R 1W0

(Next to the John C. Munro Airport)


4:00 pm – Tour

5:30 pm – Dinner

Tour / Dinner

Cost per person - \$45.00 • Meal Plan not applicable for this event

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President's Report

November's meeting guest speaker was Hugh Crowther, P.Eng., Senior Vice President-Training Applications for McQuay International. Hugh has over 20 years experience in the HVAC industry in the application, design and commissioning of HVAC systems. Hugh gave a very informative and detailed presentation on where he sees the HVAC industry trending in the next 5-7 years. We will definitely invite Hugh back in a couple of years to see how his predictions have turned out. My thanks also to the KW and area Hamilton ASHRAE members and guests that joined us at the Grand Valley Golf Club location for this event. Your feedback has indicated that you like this location for some future meetings.

Our next monthly Chapter meeting will be a special Christmas event and will take place on Saturday, December 4 at the Canadian Warplace Heritage Museum. The Canadian Warplace Heritage Museum is a living museum featuring the aircraft used by Canadians or Canada's Military from the beginning of WWII up to the present. The Museum's collection includes aircraft that really fly and several that remain on static display and are interactive workshops. The museum strives to allow the visitor to experience and interact with displays. One could climb into the cockpit of a real WW II trainer or a real jet fighter, their AVRO CF-100! The museum is a non-profit organization whose mandate is to acquire, document, preserve and maintain a complete collection of aircraft that were flown by Canadians and the Canadian military. The Museum Tour starts at 4 pm and dinner is at 5:30 pm. The theme of the meeting is "Ladies" and "Past Presidents" night. If you are a Chapter Past President, we would love to have you come out so we can catch up with you. Please bring family and friends to this special year end meeting. Please RSVP to David Rasmussen, our Social Chair, at tigerdave60@yahoo.ca

Some of us are thinking spring already and David Rasmussen, our Social Chair, has announced that Hamilton ASHRAE has booked our annual Golf Tournament at Legends on the Niagara-Battlefield Course. The date is June 15, 2011. I had better start buying some golf balls on sale over the winter for this great course, much better than my game for those who have played in my foursome!

I am pleased to see that Terry Johnson, Director of Hamilton-Niagara CSC has included a summary of what his organization is all about. I will be attending their next noon lunch meeting and look forward to meeting their Chapter members and guests.

It is still not too late to register for the ASHRAE Winter Conference and AHR Expo in Las Vegas. Please go the ASHRAE home page for all the details and to register.

Warmest Regards,

Mike Krewski, President 10/11

Hamilton ASHRAE Chapter Past Presidents & Ladies Night

This year's event will be held at the **Canadian Warplane Heritage Museum** (located in Mount Hope next to the John C. Monroe / Hamilton Airport) on **Saturday, December 4, 2010**.

Please support the Chapter by attending this special event – note that a minimum of 40 people are required to have the dinner among the planes on display.

For further details, take a look at the flyer included with this month's Airways.

*Submitted by David Rasmussen, C.E.T.,
Social Chair 10/11*

Upcoming Events

**ASHRAE Winter Meeting
AHR Expo**

January 29 – February 2, 2011
Las Vegas

www.ashrae.org/lasvegas
www.ahrexpo.com

CSC Hamilton/Niagara

Mike Krewski / Terry Johnson feel that the CSC Hamilton/Niagara article attached to this month's Airways bulletin would be of interest to Hamilton ASHRAE Chapter members.


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ASHRAE News Releases

International Code Council (ICC) Takes Action on ASHRAE Proposals

ATLANTA – International building codes will incorporate requirements from a new load calculation standard from ASHRAE and ACCA as well as match requirements from Standard 90.1 under several proposals recently approved by the ICC membership.

Winter Conference Technical Program to Focus on Net-Zero Energy Design, Greening the Industry

ATLANTA – Highlighting the importance of finding balance in design, the extravagant setting of Las Vegas serves as a unique contrast to the 2011 ASHRAE Winter Conference Technical Program's theme of net-zero energy design.

2010 Energy Standard Provides for 20 Percent-Plus Energy Savings

ATLANTA – By following the guidance in the newly published 2010 energy standard from ASHRAE and IES, more than 20 percent energy reduction can be achieved over savings in the 2004 standard.

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

Want to invite a special guest to an ASHRAE Hamilton Chapter meeting?

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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
December 4, 2010 (not 2nd Tuesday)	Social/Awards	Past Presidents & Ladies Night at the Canadian Warplane Heritage Museum	
January 11, 2011	Modelling		Student Group McMaster University Faculty of Engineering Sustainable Building Project
February 8, 2011	Membership		Klas C. Haglid, PE, RA Building Performance Equipment, Inc. Air-to-Air Energy Recovery
March 8, 2011	History		Andre Patenaude, C.E.T. Emerson Climate Technologies Emerson's Capacity Modulation Solution
April 4, 2011 (not 2nd Tuesday)			Wei Sun HVAC Healthcare Design Joint Meeting with Toronto ASHRAE Chapter
May 10, 2011	C.T.T.C.		Speaker Name tbd Enermodal Engineering Modelling for Grants
June 15, 2011 (not 2nd Tuesday)	Social/ Research	Annual Golf Tournament Legends on the Niagara – Battlefield Course	

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ASHRAE Hamilton Chapter Past President's Ladies' Night

Date: Saturday December 4, 2010

Location: Canadian Warplane Heritage Museum

9280 Airport Road, Glanbrook, Ontario, L0R 1W0 (Next to John C. Munro Airport)

Time: 4pm-Tour- Supper at 5:30pm

Cost: \$45/ person

Please confirm your attendance to David Rasmussen by emailing
tigerdave60@yahoo.ca



HAMILTON/NIAGARA CHAPTER

Construction Specifications Canada

CSC is a national multi-disciplinary, not for profit association. We are committed to ongoing development and delivery of quality education programs, publications and services for the betterment of the construction industry. Currently there are 15 chapters in Canada.

To this end, CSC pursues the study of systems and procedures which will improve the co-ordination and dissemination of documentation relevant to the construction process.

CSC seeks to enhance the quality of the design and management aspects of construction activity through programs of publication, education, professional development and certification, believing that in so doing it can best contribute to the efficiency and effectiveness of the industry as a whole.

Our Vision: That CSC is the construction community's first choice for quality documentation, education and networking.

Our Values & Core Beliefs: Quality, Professionalism, Teamwork, Integrity, Openness & Innovation.

Hamilton/Niagara received its Charter in 1968. Many events have occurred since then. Recently, the Chapter was recognized in the President's Chapter Award, 2008 – 2009 and most recently (2009) saw the Chapter receive the Lloyd Boddy Chapter of the Year Award.

At present the Chapter Executive is spearheading the 2014 National Convention which will be held in the Niagara area.

Future Chapter Meetings:

- | | |
|---------------------|--|
| *November 18, 2010: | Reducing Energy Use: The Key to Greening Existing Buildings. |
| *January 18, 2011: | Changes to LEED, the Impact. |
| *February 2011: | Automatic Doors |
| *March 2011: | Retaining Walls, Paver Systems |
| *April 2011: | Ground Penetration Radar |
| *May 2011: | The Architectural Hardware Industry |

Submitted by:

Terry Johnson FCSC
Director - Hamilton/Niagara Chapter

Tjohnson32@cogeco.ca

Cell: 905 220 5366

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The Commissioning Process in New & Existing Buildings

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Healthcare Facilities: Best Practice Design and Application

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Complying with ASHRAE/IES Standard 90.1-2010

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.



Implementing Energy Management in New and Existing Buildings: A Sustainable Activity

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Integrated Building Design

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications: HVAC/Thermal

Tuesday, Feb 1 – 9:00 a.m. - Noon, 2:00 p.m. - 5:00 p.m.

Half Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDH/.3 CEU or 3 AIA LU credits

Fundamental Requirements of ASHRAE Standard 62.1-2010

Saturday, Jan 29 – 8:00 a.m. to 11:00 a.m.



Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet Calculation

Saturday, Jan 29 – Noon to 3:00 p.m.



Understanding Air-to-Air Energy Recovery Technologies and Applications

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

Chilled Beam Technology for Excellent Indoor Climate in an Energy Efficient Manner

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

Using Standard 90.1 to Meet LEED Requirements

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

The Commissioning Process & Guideline 0

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Determining Energy Savings from Performance Contracting and LEED Projects: M&V

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Understanding Standard 189.1-2009 for High-Performance Green Buildings

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems (DOAS)

Tuesday, Feb 1 – 9:00 a.m. to Noon

Low Temperature Radiant Heating & High Temperature Radiant Cooling Systems

Tuesday, Feb 1 – 9:00 a.m. to Noon

Successful Solar Applications for Commercial & Industrial Facilities

Tuesday, Feb 1 – 9:00 a.m. to Noon

Avoiding IAQ Problems: Using ASHRAE's New IAQ Guide

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

District Cooling & Heating Systems: Central Plants

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

Designing Toward Net Zero Energy Commercial Buildings

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.



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- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit

www.ashrae.org/lasvegascertification

New Publications from ASHRAE

- Standard 189.1-2009: Standard for the Design of High-Performance Green Buildings (A Jurisdictional Compliance Option of the IGCC)*
- Standard 189.1-2009 User's Manual (A Jurisdictional Compliance Option of the IGCC)*
- ASHRAE GreenGuide 3rd Edition – The Design Construction, and Operations of Sustainable Buildings*
- ASHRAE Standard 90.1-2010: Energy Standard for Buildings Except Low-Rise Residential Buildings*
- ANSI/ASHRAE 55-2010 – Thermal Environmental Conditions for Human Occupancy*
- ANSI/ASHRAE 62.2-2010 – Ventilation for Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
- ANSI/ASHRAE 62.1-2010 – Ventilation for Acceptable Indoor Air Quality*

Package:

- ANSI/ASHRAE 15-2010 – Safety Standard for Refrigeration Systems*
- ANSI/ASHRAE 34-2010 – Designation and Classification of Refrigerants*

Visit www.ashrae.org/bookstore to order