



# Airways

**Hamilton Chapter No. 037**

<http://www.vaxxine.com/ashrae/>

American Society of Heating, Refrigerating and Air Conditioning Engineers

Volume 52, No. 3

Our 52nd Year

November 2010

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Tuesday, November 9, 2010

## Future HVAC Technologies

### Featured Speaker

**Hugh Crowther, P. Eng.**  
McQuay International

**Hugh Crowther** is Senior Vice President – Training and Advance Applications for McQuay International, a Division of Daikin Limited. McQuay is a manufacturer of applied HVAC equipment. He has held previous positions as General Manager of various equipment units and Senior Vice President of Engineering.



Hugh has over 20 years experience in the application, design and commissioning of applied HVAC systems. He is a Professional Engineer with a Bachelor of Science in Mechanical Engineering from Queen's University and an ASHRAE Member.

At ASHRAE Society level, Hugh has served as a Director and Regional Chair for Region II, RVC Refrigeration, nominating committee and Chair of Standards. He is currently a Director at Large and Ex-officio to Standards Committee. Hugh has written articles for the ASHRAE Journal, HPAC Engineering and Engineered Systems as well as numerous application guides on a wide range of HVAC topics.

**Note:** Free Dinner / Feature Speaker registration for the first "first-time-in-the-last-3-years attendee to a Hamilton ASHRAE Chapter meeting" to sign in at this meeting.

**IMPORTANT** – Please RSVP to John Molnar – john.molnar@lge.com – before November 4th, 2010 – as we must give the Grand Valley Golf Club an idea of the number of "meals" required.

### Grand Valley Golf Club

1910 Roseville Road, Cambridge, ON N1R 5S3

Tel: 519-623-8811

5:00 pm – Social Hour/Cash Bar

6:10 pm – Buffet Dinner

7:15 pm – Feature Speaker

Dinner / Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00 • Meal Plan - \$150.00

## **President's Report**

I have just planned my trip to Las Vegas to attend the ASHRAE 2011 Winter Conference from January 29 thru February 2. The ASHRAE co-sponsored AHR Expo takes place Jan 31-Feb 2 at the Las Vegas Convention Centre. With the economy showing signs of improvement and Las Vegas hosting the Show for the first time, the 2011 AHR Expo is on track to be the largest Western states event in the 80 year history. Already over 1,300 companies have reserved over 300,00 square feet of exhibit space for the event. Please go to the ASHRAE home page for all the details and to register.

Our November 9th meeting will be held at the Grand Valley Golf Course (not our normal meeting location at the RHYC) in Cambridge. We are pleased to have Mr Hugh Crowther of McQuay speak on "Future HVAC Technologies" that evening. Based on your feedback from previous meetings at this location . . . . we are all going to enjoy the home cooking . . . . especially their rolled ribs. Please rsvp at your earliest convenience as this dinner meeting is limited to the first 32 folks that RSVP.

Our final meeting for the fall is on Saturday, December 4th at the Canadian Warplane Heritage Museum in Mt. Hope. It will be a combination Christmas Party and Past Presidents Night. I encourage all Past Presidents to join us at this unique venue to have dinner with ASHRAE friends among the airplanes on display.

I encourage all members and guests to attend these next 2 Hamilton ASHRAE Chapter dinner meetings. If you have not attended a meeting in the last 3 years, the first member/guest taking in 1 of these fall meetings will have their Dinner/Speaker fee of either \$30 or \$40 compliments of the Hamilton ASHRAE Chapter at time of registration .

If I can be of any further assistance I can be reached at 519-885-7460 or mkrewski@uniongas.com

Best 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.**

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*

## **2011 ASHRAE TECHNOLOGY AWARD WINNERS**

Attached to this month's Airways is a listing of the **2011 ASHRAE Technology Award Winners.**

*Submitted by Reaz Usmanali, LEED®AP,  
C.T.T.C. / T.E.G.A. Chair 10/11*

**John Freeman, EIT, LEED AP**  
Account Manager



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## Upcoming Events

**ASHRAE Winter Meeting  
AHR Expo**  
January 29 – February 2, 2011  
Las Vegas  
[www.ashrae.org/lasvegas](http://www.ashrae.org/lasvegas)  
[www.ahrexpo.com](http://www.ahrexpo.com)

## ASHRAE News Releases

### Standard 90.1-2007 Available as Free Download

ATLANTA – In order to move the industry forward toward more energy efficient design, ASHRAE is making it easier than ever before to access its flagship energy standard, 90.1, **available as a free download** for a limited time.

### ASHRAE Publishes 2010 Editions of Refrigerant Safety Standards

ATLANTA – The 2010 editions of ASHRAE's major refrigerants-related standards have been published as a package with 14 new refrigerant blends added.

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

**Adam Werthmiller, C.E.T.**  
adamw@herinc.ca

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### **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.

<b>ASHRAE Hamilton Chapter Program Activity</b>			
<b>Date</b>	<b>Theme</b>	<b>Technical Session /Table Top Demonstration</b>	<b>Feature Speaker</b>
November 9, 2010	C.T.T.C.	none	Hugh Crowther, P. Eng. <u>McQuay International</u> <b>Future HVAC Technologies</b> at the Grand Valley Golf Club (Cambridge)
December 4, 2010 (not 2nd Tuesday)	Social/Awards	Past Presidents & Ladies Night at the Canadian Warplane Heritage Museum	
January 11, 2011	Modelling		Speaker Name tbd <u>RDWI</u> <b>Building Modelling</b> at The University of Waterloo
February 8, 2011	Membership		Klas C. Haglid, PE, RA <u>Building Performance Equipment, Inc.</u> <b>Air-to-Air Energy Recovery</b>
March 8, 2011	History		to be determined
April 4, 2011 (not 2nd Tuesday)			Wei Sun <b>HVAC Healthcare Design</b> Joint Meeting with Toronto ASHRAE Chapter
May 10, 2011	C.T.T.C.		Speaker Name tbd <u>Enermodal Engineering</u> <b>Modelling for Grants</b>
June 15, 2011 (not 2nd Tuesday)	Social/ Research	Annual Golf Tournament <b>Legends on the Niagara – Battlefield Course</b>	

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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](mailto:tigerdave60@yahoo.ca)



## **2011 ASHRAE TECHNOLOGY AWARD WINNERS**

10/20/10

### **First Place Winners**

**1. Gilles Desmaris**

Dessau  
Montreal, Quebec, Canada

**Jacques Paquette, Owner**

CSSS Pierre-Boucher

**Category III – Healthcare Facilities – Existing  
Rehabilitation of Pierre-Boucher Hospital**

**Region II**

**Jean-Gabriel Joannette, CTTC RVC**

**2. Lui Yury and Charles Eggert**

HP Mission Critical Services  
Chicago, Illinois

**Sharon Diaz, Owner**

Jewish Reconstructionist Congregation

**Category IV – Public Assembly – New  
Jewish Reconstructionist Congregation**

**Region VI**

**Corey Metzger, CTTC RVC**

**3. Peter H. Rumsey**

Integral Group  
Oakland, California

**Owner, Suzanne Brown**

Equity Community Builders LLC

**Category I – Commercial Buildings – New  
The David Brower Center**

**Region X**

**Scott Wayland, CTTC RVC**

**4. Amit Khanna**

Arup  
San Francisco, California

**Maggie Burgett, Owner**

Stanford University

**Category II – Institutional Buildings – New  
Jerry Yang and Akiko Yamazaki Environment and Energy Building**

**Region X**

**Scott Wayland, CTTC RVC**



## **Second Place Winners**

**1. Roland Charneux**

Pageau Morel & Associates  
Montreal, Quebec, Canada

**Category I – Commercial Buildings – Existing  
1801 McGill College**

**M. Rudy Nunes, Owner**  
Redbourne

**Region II  
Jean-Gabriel Joannette, CTTC RVC**

**2. Yan Ferron**

Pageau Morel & Associates  
Montreal, Quebec, Canada

**M. Francois Beaudry, Owner**  
Buanderie central de Montréal

**Category IV – Industrial Facilities or Processes – Existing  
Buanderie central de Montréal**

**Region II  
Jean-Gabriel Joannette, CTTC RVC**

**3. Jack Kafesdjian**

BPR.  
Laval, Quebec, Canada

**Céline Morin, Owner**  
Hôpital Louis-H-Lafontaine

**Category III – Health Care Facilities – Existing  
Louis H- Lafontaine-Hospital**

**Region II  
Jean-Gabriel Joannette, CTTC RVC**

**4. Jean Molina and Laurier Nichols**

Dessau  
Montreal, Quebec, Canada

**Pierre Farmer, Owner**  
Riverside School Board

**Category II – Institutional Buildings – New  
Saint-Johns High School**

**Region II  
Jean-Gabriel Joannette, CTTC RVC**

## Second Place Winners Continued

5. **Derek Crowe**

Peter Basso Associates, Inc.  
Troy, Michigan

**Randall J. Trent, Owner**

Ann Arbor Public Schools

**Category II – Institutional Buildings – New  
Ann Arbor New Skyline High School**

**Region V**

**Robert Laneve, CTTC RVC**

6. **David Grassl**

Ring & DuChateau  
Milwaukee, Wisconsin

**Category I – Commercial Buildings – New  
Johnson Controls Corporate Headquarters**

**Ward Komorowshi, Owner**

Johnson Controls, Inc.

**Region VI**

**Corey Metzger, CTTC RVC**

7. **Philip Spagnolo**

Spagnolo Enterprises, Ltd.  
Park Ridge, Illinois

**Jim Happel, Owner**

Scot Forge

**Category IV – Industrial Facilities or Processes – Existing  
Scot Forge Compressed Air System**

**Region VI**

**Corey Metzger, CTTC RVC**

## Honorable Mention Winners

1. **David Porter and Branden Farnsworth-Weinblatt**

Bergmann Associates  
Rochester, NY

**Tracy S. Bennett, Owner**

Fredonia State College

**Category II – Institutional Buildings – Existing  
Campus Wide Satellite Boilers**

**Region I**

**Steve Rosen, CTTC RVC**

## **Honorable Mention Winners Continued**

- Peter Bailey, Walter Joncas, and Gregory Dodge**  
Dodge Engineering and Controls, Inc.  
E.C.T. Inc.  
Huntington, Vermont; Cazenovia, NY, Billerica, MA

**Bill Heinz, Owner**  
Pizzagali Properties, LLC

**Category I – Commercial Buildings – Existing  
Hybrid Refrigeration Chiller**

**Region I  
Steve Rosen, CTTC RVC**

- Marco Freitas and Simon Pelletier**  
Dessau  
Montreal, Quebec, Canada

**Pierre Poulin, Owner**  
Société immobilière du Québec

**Category II – Public Assembly – Existing  
Cowansville Courthouse**

**Region II  
Jean-Gabriel Joannette, CTTC RVC**

- Michael Murphy and Gerry Noorts**  
Gurmmman/Butkus Associates  
Evanston, Illinois

**John Alsterda, Owner**  
Advocate Lutheran General Hospital

**Category III – Healthcare – Existing  
Advocate Lutheran General Hospital**

**Region VI  
Corey Metzger, CTTC RVC**

- Alexander Butkus and Gerry Noorts**  
Gurmmman/Butkus Associates  
Evanston, Illinois

**Ted Lorenzi, Owner**  
Hyatt Hotels Corporation

**Category I – Commercial Buildings – Existing  
Grand Hyatt Kauai Resort and Spa**

**Region VI  
Corey Metzger, CTTC RVC**

## **Honorable Mention Winners Continued**

6. **Antonio Costa**  
Coffman Engineers , Inc.  
Napa, California

**H.M. Healy, Owner**  
College of Siskiyous

**Category II – Institutional Building – New**  
**College of the Siskiyous Emergency Services Training Center**

**Region X**  
**Scott Wayland, CTTC RVC**

7. **Matt Volgyl**  
Southland Industries  
Garden Grove, California

**Robert H. Masch, Owner**  
Kaiser Permanente

**Category III – Health Care Facilities – New**  
**Kaiser Downey Medical Center**

**Region X**  
**Scott Wayland, CTTC RVC**

8. **Jeffrey Blaevoet**  
Guttman & Blaevoet Consulting Engineers  
San Francisco, California

**Jeanne Miché, Owner**  
County of Marin, Public Works

**Category III – Health Care Facilities – Existing**  
**Marin Health & Wellness Center**

**Region X**  
**Scott Wayland, CTTC RVC**

9. **Robert Thompson**  
SmithGroup, Inc.  
Gilbert, Arizona

**Joseph H. Bartlett, Owner**  
Maricopa Community Colleges

**Category II – Institutional Buildings – New**  
**Mesa Community College Physical Sciences Building**

**Region X**  
**Scott Wayland, CTTC RVC**

## **Honorable Mention Winners Continued**

**10. Jeffrey Blaevoet**

Guttman & Blaevoet Consulting Engineers  
San Francisco, California

**Brian Reilly, Owner**

City of Sacramento

**Category II – Institutional Buildings – New  
Valley Hi North Laguna Library**

**Region X**

**Scott Wayland, CTTC RVC**

**11. Michel Sotura**

Coffman Engineers  
Seattle, Washington

**Dean Tougas, Owner**

The Boeing Company

**Category I – Commercial Buildings – Existing  
Boeing 18-25**

**Region X**

**Eileen Jensen, CTTC RVC**

**12. Heric Holmes**

MacPherson Engineering  
Regina, Saskatchewan, Canada

**Paul Nepper, Owner**

Government Services

**Category II – Institutional Buildings – New  
Regina Provincial Corrections Centre**

**Region X**

**Eileen Jensen, CTTC RVC**