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Tuesday, October 2, 2012

Selecting VAV for Acceptable IAQ

With large numbers and types of VAV terminals available on the market, there are numerous questions regarding the proper selection and interpretation of VAV terminal specifications. This talk will cover proper engineering specifications and designs for this broad product range, with updates on the latest rules and knowledge regarding VAV box type, linings, accessories and air flow limitations.

Feature Speaker

Dan Int-Hout, Chief Engineer, Krueger (Richardson, TX)

ASHRAE Distinguished Lecturer

Dan Int-Hout is responsible for the presentation of technical data and advanced application engineering for the grilles, registers and diffusers, as well as the VAV air terminals produced by Krueger.

In the air distribution research and design business since 1973, Dan has worked with Krueger, Owens Corning Fiberglass, Carrier, Titus and Environmental Technologies in various engineering, marketing and product research roles.

He has written over 40 technical papers/articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He has chaired and otherwise been involved in numerous ASHRAE Technical and Standards Committees. He received the ASHRAE Distinguished Service Award in 1993 and the Exceptional Service Award in 2007. Dan was installed as an ASHRAE Fellow in 2007 and is an ASHRAE Distinguished Lecturer.

IMPORTANT – Please RSVP to John Molnar – johnm@odellassoc.com by Oct. 1st, 2012 as we must give the Yacht Club a count of the number of people attending.

Royal Hamilton Yacht Club

North End of McNab, On Hamilton Harbour

5:00 am – Social Hour


6:00 pm – Dinner

7:00 pm – Feature Speaker

Dinner/Feature Speaker

Chapter Members - \$30.00 • Guests - \$40.00 • Students - \$15.00

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President's Report

Our first meeting of the new ASHRAE year was on September 11, 2012 at the Faculty Club at McMaster University in Hamilton. This was our students' night for the Chapter to encourage participation in ASHRAE with the hope that many of the students will become Engineers within our industry. We would like to extend our thanks to McMaster's Department of Mechanical Engineering for hosting us for the evening.

We enjoyed two presentations that evening, the first was by Mr. Kelton Friedrich, Sustainable Energy Analyst for the proposed Engineering Center for Experimental Learning (ExCEL) at McMaster. ExCEL will support skill shaping experiential learning opportunities for engineering students, providing the competencies ASHRAE members look for in new graduates. To move the ExCEL project forward, the Faculty of Engineering is seeking ASHRAE's support of the proposed design process. To learn more about the project and offer any assistance to the team, please feel free to contact Kelton at email: friedrke@univmail.cis.mcmaster.ca.

The feature presentation was on Chiller/Refrigerated System Analysis and the OPA "saveONenergy" and Equipment Replacement Incentive Initiative (ERII) Programs. The presenter was Darren Cooper, President of Rentenik group. Attendees learned about the importance of gathering data and verifying the information to enable optimization of the cooling systems within buildings in order to realize energy savings. Darren also shared valuable insight into the "saveONenergy" program and replacement initiatives now available to businesses in Ontario. For further information or to learn more about the programs feel free to contact Wilf Laman at email: wilfred@ethvac-energy.com.

As mentioned on the cover page, our next meeting will be on October 2, 2012 at the Royal Hamilton Yacht Club regarding VAV boxes. I ask everyone to join us for this meeting. Please invite your colleagues to attend and gain some valuable insight on this topic. VAV boxes are one of the most common products in almost every building we, as HVAC Engineers, encounter in the industry and there is always something new to learn.

Finally, I am looking for suggestions and insight into the preferences on our programs and meetings from our membership. Please feel free to contact me if you have any suggestions.

Best Regards,
Reaz Usmanali, LEED AP, President 12/13

Past Presidents & Ladies' Night Sunday, December 2, 2012

Our Chapter Social Chair, David Rasmussen has planned our annual Past Presidents & Ladies' Night for Sunday, December 2, 2012.

Additional information is attached to this Airways bulletin. Please plan to attend this "social" evening to support the Chapter and David's efforts.

*Submitted by
Allan Antcliffe, P.Eng.
Homepage & Airways Editor 12/13*

Next Meeting

The next Chapter meeting will take place on **Tuesday, Nov. 13th, 2012** at the Grand Valley Golf Club (Cambridge).

The feature speaker will be our own Chapter member and commissioning expert, Bill McCartney from Isotherm Engineering. The title of Bill's presentation is "Proving It's Green, Keeping It Green".

Mark your calendars now and plan to attend.

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Upcoming Events

Cold Climate HVAC 2012

November 12–14, 2012

Calgary, AB

www.ashrae.org/coldclimate

ASHRAE Winter Conference & AHR Expo

January 26–30, 2013

Dallas, TX

www.ashrae.org or www.ahrexpo.com

Position Advertising in "Airways" Bulletin

Position advertising is now available in the "Airways" Bulletin. The cost will be \$85.00 per (reasonable sized) insert and will run for a period of 3 issues (unless the position is filled).

Any advertising insert **MUST** be provided as a single .jpg file. You can scan your ad and send me the file or provide me with a hard copy which I will scan and insert.

Submitted by

Allan Antcliffe, P.Eng.

Homepage & Airways Editor 12/13

Business Card Advertising in "Airways" Bulletin

As always, you can place a business card ad in the "Airways" Bulletin. The cost will be \$85.00 per card (\$170.00 for a double sized ad) and will run the balance of the year (until the June issue).

Your business card ad **MUST** be provided as a single .jpg file. You can scan your business card and send me the file or provide me with a business card which I will scan and insert.

Submitted by

Allan Antcliffe, P.Eng.

Homepage & Airways Editor 12/13

ASHRAE News Releases

Additional Combustion Safety Testing Options

Proposed for ASHRAE Residential IAQ Standard

ATLANTA – Additional methods to demonstrate combustion safety – an area of major concern for homes in weatherization programs – are being proposed for ASHRAE's residential indoor air quality standard.

Lighting Quality Requirements Proposed for Green Building Standard

ATLANTA – Lighting requirements to enhance productivity and comfort of occupants have been proposed for a green building standard from ASHRAE, the U.S. Green Building Council (USGBC) and the Illuminating Engineering Society (IES).

New Guideline from ASHRAE Focuses on Smoke Control System Commissioning

ATLANTA – ASHRAE has added to its suite of commissioning guidance to ensure buildings and systems operate as intended with a new guideline on commissioning for smoke control systems.

Click to go to ASHRAE Pressroom

CSC Meeting Notice

Notice of an upcoming CSC Hamilton/Niagara Chapter meeting is attached to this month's *Airways*. Some Chapter members may be interested in attending.




Nathan Martin, P. Eng.
nathan@odellassoc.com

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T.D. (Terry) Johnson FCSC
Director Hamilton/Niagara Chapter

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2012 – 2013 Meeting Schedule

This year's meeting schedule is summarized below. 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 John Molnar (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
Tues., Oct. 2/12 Royal Hamilton Yacht Club	C.T.T.C.	PennBarry John Molnar	Selecting VAV for Acceptable IAQ Dan Int-Hout ASHRAE Distinguished Lecturer
Tues., Nov. 13/12 Grand Valley G.C.	C.T.T.C.	tbd	Proving It's Green, Keeping It Green Bill McCartney Isotherm Engineering
Sun., Dec. 2/12	Social	Past Presidents & Ladies Night -- Flamborough Downs Race Track	
Closest Game Night to Tues., Jan. 8/13	Membership YEA	Tour of Copp's Coliseum & Hamilton Bulldogs Hockey Game	
Tues., Feb. 12/13 Grand Valley G.C.	C.T.T.C.	tbd	How the Smartphone is Going to Save the Planet and your Wallet John Coghill Company???
Tues., Mar. 19/13 Royal Hamilton Yacht Club	History	O'Dell / LG	VRF & Code Requirement John Molnar, B. Eng., LEED AP O'Dell Associates
Mon., Apr. 1/13 Otello's - Oakville	Membership	Joint Meeting with ASHRAE Toronto Chapter ASHRAE Distinguished Lecturer	
Tues., May 7/13 Grand Valley G.C.	C.T.T.C.	tbd	Motor Types -- OEM vs Aftermarket How They Work/Features/Benefits Rob ??? ECM Technology
Wed., Jun.12/13	Social/ Research	Annual Golf Tournament Whirlpool -- Niagara Falls	

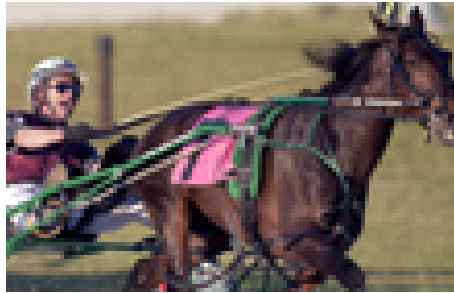
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ASHRAE Hamilton Chapter
<http://www.vaxxine.com/ashrae/>

Past President Ladies Night

A Night at the Races



Open to Anyone 19 years/ older

Date: SUNDAY December 2, 2012

Cost: \$45 per person

Time: 5pm- 9pm

Horse Races start at 6 pm

Fee includes Buffet Supper, Parking, Race Program, \$5 Coupon toward the Slot Machines.

Note: Our last event here 8 years ago was a huge success. Please send me an email and indicate the number of people attending.

Email: tigerdave60@yahoo.ca

David Rasmussen
Social Chairman 2012-2013



HAMILTON/NIAGARA CHAPTER

MEETING NOTICE

LUNCHEON PRESENTATION

FAÇADE DESIGN FOR

EFFECTIVE THERMAL PERFORMANCE

ADDRESSING NEW CODE REQUIREMENTS

& OPTIONS TO MEET ASHRAE e90

When: Thursday, October 18th, 2012

Where: Royal Canadian Legion, 828 Legion Road, BURLINGTON, ON.

Time: Registration: 11:30 AM
Lunch: 12:00 Noon
Presentation: 12:45 PM (Meeting to end by 2 PM)

Literature/Product Tables: Before Lunch & After the Presentation.
A Networking opportunity for manufacturers and suppliers.
Literature /product tables are available at \$50.00 each, book with Terry

Cost: \$25.00 Per Person, payable at the door. Receipts on arrival. Cash or cheque.
(Cheques payable to CSC Hamilton/Niagara Chapter). ATM on site.

Target Audience: Architects, Landscape Architects, Engineers, Specification Writers, Building Code Professionals, Owners, Property Managers, Contractors, Sub-Contractors.

Qualifies for OAA Points

Provider: Engineered Assemblies Inc.

Course Description:

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Speaker:

Mr. John Kubassek's background includes design as well as supplying and installing cladding systems of all types. John has years of hands on experience as a tradesperson, supervisor and advisor on some of the most exciting jobs in the Ontario region. In addition, he teaches a course entitled "The Creativity in Business". John attributes his success to the awareness that we are part of a greater force which when effectively harnessed will co-create with us.

John decided to start his own company and apply the extensive experience and knowledge that he had gained along with his core values and guiding principles in Engineered Assemblies Inc. The industry responded with tremendous support and Engineered Assemblies has close to doubled in growth each year in business and has expanded from the East to West coast. A year and a half after starting Engineered Assemblies, John started a full service installation company called Praxy Cladding Corp. which has also grown at a fast rate.

Book your attendance by contacting: Terry Johnson FCSC:

E Preferred: tjohnson32@cogeco.ca. Cell: 905 220 5366

Door prizes are appreciated. Thank you.

CSC is a non-profit association committed to the ongoing development & delivery of quality education programs, publications & services for the betterment of the construction community.

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