



# Airways

**Hamilton Chapter No. 037**

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

*American Society of Heating, Refrigeration and Air Conditioning Engineers*

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*Our 49th Year*

March 2008

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**Tuesday, March 11, 2008**

## ***Dinner / Tour of Longo's Store "Supermarket Refrigeration"***

Dinner / tour of Longo's new BurlOak store which is scheduled to open on March 1st.

Bob Gentile and Tom Quaglia, both with Neelands Refrigeration Limited, will outline some of the changes in supermarket design during the past 10 years, including their MicroThermo Rack Control System. All the equipment, security, etc. is now controlled by computer.

### Feature Speakers

***Bob Gentile, Construction Manager***

***Tom Quaglia, Project Manager/  
Refrigeration Mechanic***

***Neelands Refrigeration Limited***

**See "Bio's" for both Bob and Tom on Page 2**

**DIRECTIONS:** Longo's new BurlOak store is accessible **only from BurlOak Drive** in Burlington. It is at the east end of Wycroft Road [the signage in Burlington calls the street **Harvester Road**]. The store is located very close to the new Home Depot which is visible from the QEW.

### ***Longo's BurlOak Store***

***3455 Wycroft (Harvester) Road, Oakville***

**6:00 pm – Buffet Dinner (In loft at Longo's Store)**

**7:00 pm – Feature Speaker**

**7:30 pm – Store Tour**

### **Dinner/Feature Speakers/Tour**

*Chapter Members - \$40.00 • Guests - \$45.00 • Students - \$15.00 • Meal Plan - \$140.00*

## **Bob Gentile's "Bio"**

Bob Gentile is Construction Manager for Neelands Refrigeration.

Bob has been with Neelands Refrigeration since 1985. He spent his first 12 years as a Construction Foreman, overseeing several supermarket, warehouse and meat process plant installations. From 1997 to 2001, Bob had the title of Construction Adviser, overseeing projects from a site and office level. He also oversaw the introduction of the MicroThermo Rack Control System.

From 2001 to present, Bob is the acting Construction Manager, overseeing Neelands' Construction Department's 30 plus Journeymen and Apprentices.

In addition to managing the Construction Department, Bob is also responsible for quoting and managing all major installation projects for Loblaw's, Sobeys, Costco, A&P and, most recently, Wal-Mart.

Prior to joining Neelands, he spent his first 10 years with Koldflow Refrigeration in Hamilton, 1 year on his own as Market Refrigeration and 1 year with Wilson & Gregory.

## **Tom Quaglia's "Bio"**

Tom Quaglia is a Project Manager/Refrigeration Mechanic with Neelands Refrigeration.

Tom has been with Neelands Refrigeration from 1985 to present and, in his present capacity, has been responsible for managing the installation of refrigeration systems and the MicroThermo Controls Division.

Tom served his apprenticeship with Neelands from 1985 thru to 1990. He was then given a position as a Construction Foreman, responsible for refrigeration installations. Later in his career, he served 5 years as a Refrigeration Service Technician. He then moved over to the Control Department where he became an Integrator for both Computer Process Controls and Micro Thermo. For the past 4 years Tom has served as a Project Manager for both the Refrigeration Installation Department and the Building Controls Division.

## **Region II C.T.T.C. Newsletter**

The February 2008 Region II C.T.T.C. Newsletter is attached to this month's Airways Bulletin.

## **Last Meeting Recap**

"Mother Nature" did the Chapter no favour in providing a significant snow storm the day of our last meeting.

Those who managed to attend went home full of both food and knowledge – the knowledge part courtesy of our feature speaker, Mr. Shehwar Haque, P. Eng. from Ecosaire (Dectron Internationale) who spoke to the small group about Computer Room Glycol Cooling.

Let's hope for better weather and attendance at our March 11<sup>th</sup> dinner / tour of the new Longo's store.

*Allan Antcliffe, P. Eng.  
Webmaster & Bulletin Editor 07/08*

## **Upcoming Events**

### **ASHRAE Learning Institute Seminar**

#### **The Commissioning Process in New and Existing Buildings**

March 26, 2008 – 9:30 am to 4:30 pm  
Metro Toronto Convention Center  
Toronto, ON  
(See the attached notice for more details)

### **CMX/CIPHEX 2008**

March 27 – 29, 2008  
Metro Toronto Convention Center  
Toronto, ON  
www.cmxshow.com

## **Upcoming Chapter Meetings**

**Wednesday, April 16, 2008 (not 2<sup>nd</sup> Tuesday)**

**Theme: T.E.G.A. / IAQ**

ASHRAE Satellite Broadcast – see Page 3 and the attached notice for more details.

**Tuesday, May 13/2008**

**Theme: Refrigeration**

Feature Speaker – Miles Chen, from McQuay, will speak to members about variable refrigerant volume applications and equipment.

Technical Presentation / Tabletop Display – HTS Engineering – variable refrigerant volume applications and equipment.

## **ASHRAE Satellite Broadcast Wednesday, April 16, 2008**

On April 16, 2008, ASHRAE's Chapter Technology Transfer Committee (CTTC) will present a satellite broadcast and simultaneous webcast on "**Integrated Building Design: Bringing the Pieces Together to Unleash the Power of Teamwork.**"

Online registration for site coordinators and webcast viewers begins March 1 by going to [www.ashrae.org/ibdbroadcast](http://www.ashrae.org/ibdbroadcast). Registration for satellite viewers begins March 15. Information about the program and speakers is available at [www.ashrae.org/ibdbroadcast](http://www.ashrae.org/ibdbroadcast).

Three PDH credits will be granted to those who view the program and then complete the Participant Reaction Form on ASHRAE's web page following the broadcast.

As an added benefit, a \$50 discount will apply to a one-year membership for anyone who joins ASHRAE as a new member in conjunction with the broadcast. Check out ASHRAE's website for more details.

*Note that, as in previous years, the ASHRAE Hamilton Chapter will be hosting this satellite broadcast at the Crossroads Communication Center, 1295 North Service Road in Burlington. Lunch will start at 12:00 noon and the broadcast will take place from 1:00 to 4:00 pm. Regular meeting prices (including Meal Plan) will apply to this luncheon and event. Mark it on your calendar now and plan to attend.*

## **Norm Panabaker Passes Away**

Our Chapter is saddened by the news that one of our long-standing members – Mr. Norman Panabaker, P. Eng. – passed away on Friday, February 8, 2008.

Our thoughts and prayers go out to his wife, Mildred, and the rest of his family. In his memory, the ASHRAE Hamilton Chapter has made a \$100 donation to Engineers Without Borders, an organization which Norm supported.

*Allan Antcliffe, P. Eng.  
Webmaster & Bulletin Editor 07/08*

## **ASHRAE Hamilton Chapter Golf Tournament**

Our annual ASHRAE Hamilton Chapter Golf Tournament has been scheduled for **Wednesday, June 4<sup>th</sup>**.

I have once again booked the **Legends On The Niagara – Battlefield Course** – which we played two years ago. However THIS TIME with the help of a Scramble Tournament . . . there shouldn't be any scores of 10 for Hole #18!

I have booked for 120 golfers which will allow us to have a shot-gun start for 1pm.

The price remains at \$150 per person which includes golf, cart and supper, plus a gift card as your golf prize. We are able to keep the price at \$150 because of our generous Hole Sponsors. Again, I ask that you please sponsor a hole at \$125 for new sponsors and \$75 for returnees. Last year, we had 11 Sponsors but would love to have a Sponsor for each hole this year. Thanks, in advance, for your support.

If you have never played Battlefield, please check out their web site at [www.niagaraparksgolf.com/legends/](http://www.niagaraparksgolf.com/legends/).

Attached you will find our sign-up sheet. Please complete it and fax to me ASAP because, if all of the spots are not filled, I will be searching for players from other Chapters.

*David Rasmussen, Social Chairman 07/08*

## **ASHRAE News Releases**

[ASHRAE High-Performance Building Design Professional Certification Now Available](#)

[BACnet Unplugged: Updates Made to Building Controls Standard](#)

[ASHRAE and BOMA International Sign Memorandum of Understanding](#)

***The above are just a few headlines from news releases published by ASHRAE during the past month. Click here for more information.***



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Wm. J. McCartney

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## 2007 – 2008 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>
March 11, 2008	Students/ Y.E.A.	Bob Gentile & Tom Quaglia <u>Neelands Refrigeration</u> <b>New Style Supermarket Refrigeration Technologies</b> <u>Tour of Longo's new Burloak Store</u>	
April 16, 2008 (not 2 <sup>nd</sup> Tuesday)	T.E.G.A./ IAQ	<u>ASHRAE Satellite Broadcast</u> <b>"Integrated Building Design – Putting the Pieces Together to Unleash the Power of Teamwork"</b>	
May 13, 2008	Refrigeration	<u>HTS Engineering</u> <b>Variable Refrigerant Volume Applications and Equipment</b>	Miles Chen <u>McQuay International</u> <b>Variable Refrigerant Volume Applications and Equipment</b>
June 4, 2008 (not 2 <sup>nd</sup> Tuesday)	Social/ Research	Legends on the Niagara — <u>Battlefield Course</u> <b>Annual Golf Tournament</b>	

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## The Commissioning Process in New and Existing Buildings

*Tips and Guidance for Real World Commissioning Challenges from ASHRAE*

*To Be Presented in Conjunction with CMX/CIPHEX 2008*

**Wednesday, March 26, 2008 – 9:30 a.m. to 4:30 p.m. EDT**



### Seminar Summary

Learn the fundamentals of the commissioning process through each step of a new construction project from pre-design to occupancy and operations. Attendees will become familiar with the benefits of commissioning and gain an appreciation for how the process can improve the built environment, reduce environmental impacts through responsible resource utilization, improve the quality of design and construction, and raise the professional reputation of the entire commissioning team. Attendees will discuss the documentation that is created during the process, including specifying commissioning for new construction. Students will take away compelling information and case studies that demonstrate the value of investing in the commissioning process.

**Who should attend:** Designers, Owners, Architects, Contractors, Operators, Code Officials

### How to Register

- **Internet:** [Register here](#)
- **Phone:** Call toll-free 1-800-527-4723 (US and Canada) or 404-636-8400 (Worldwide)

## The Instructor



Rick Casault, P.E., CDT, is the owner of Casault Engineering, specializing in whole building commissioning for new and existing facilities, commissioning master planning, and training. He is the founding president of the building Commissioning Association, a member of ASHRAE Technical Committee 9.9 *Building Commissioning*, a member of GPC-1R HVAC Commissioning Guideline, a member of the NIBS Total Building Commissioning Guideline Steering Committee, and an author and frequent speaker on commissioning. His years as a mechanic, design engineer, and facilities engineer shape his approach to commissioning.

## Seminar Information

- **Event Title :**  
The Commissioning Process in New and Existing Buildings
- **Date :**  
Wednesday, March 26, 2008
- **Location :**  
Metro Toronto Convention Center  
255 Front Street West, Toronto, Ontario
- **Time :**  
9:30 a.m. – 4:30 p.m. EDT
- **Earn:**  
6 PDHs/.6 CEUs or 6 AIA LUs
- **Course Fees :**  
(*includes course materials, lunch*)  
**\$329 USD** ASHRAE Member  
**\$399 USD** Non-member

[Learn More about CMX/CIPHEX 2008](#)

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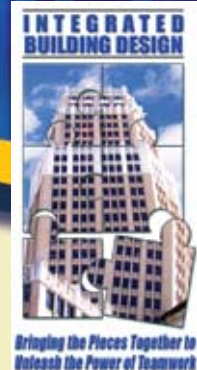




# ASHRAE Satellite Broadcast/Webcast



April 16, 2008  
1:00–4:00 P.M. EDT



## INTEGRATED BUILDING DESIGN: Bringing the Pieces Together to Unleash the Power of Teamwork

This broadcast explains what you and other members of the building team must do to advance high-performance buildings with improved design, construction and operations processes. Buildings that meet the needs of occupants and truly achieve sustainability objectives can only be created if the building community shares its knowledge and experiences. Join ASHRAE in learning more about your role in integrated building design and helping to create a sustainable built environment.

This free program is sponsored by ASHRAE's Chapter Technology Transfer Committee. For complete details, visit our website at [www.ashrae.org/ibdbroadcast](http://www.ashrae.org/ibdbroadcast).

### How to Participate

- You may host a broadcast site for your colleagues.
- You may register to view with others at a site near you.
- You may register to view the Webcast on your PC.

### PDH Credits

Three (3) Professional Development Hours or three (3) AIA Learning Units will be awarded to viewers who complete the "Participant Reaction Form" following the broadcast.

### About the Presenters

Kent Peterson, ASHRAE's 2007-2008 president, will introduce the broadcast program

- Walter Grondzik, Architectural Engineer and Professor in the Department of Architecture, Ball State University, Muncie, Indiana—"What is Integrated Building Design?"
- Charles Gullledge III, P.E., MAI, CSI, ASHRAE Distinguished Lecturer, Senior Mechanical Engineer, AC Corporation, Greensboro, North Carolina, "The Integrated Design Process"
- Drury B. Crawley, Technology Development Manager, U.S. Department of Energy, Washington, DC—"Achieving Net-Zero Energy Buildings Through Integrated Building Design?"
- Paul Torcellini, Team Leader for Commercial Buildings Research, National Renewable Energy Laboratory, Golden, Colorado—"Bringing the Pieces Together—Actual Applications"

### New Member Discount

Non-member participants will be given a \$50 discount for applying for ASHRAE membership. A special membership application will be available at satellite broadcast sites or by request at [membership@ashrae.org](mailto:membership@ashrae.org).

### Registration

Online registration for satellite site coordinators and Webcast viewers will begin March 1, 2008, at [www.ashrae.org/ibdbroadcast](http://www.ashrae.org/ibdbroadcast). Satellite viewer registration will begin March 15, 2008. There is no fee for registration. If you have any questions, call 678-539-1139 or email [ashrae-satellitebroadcast@ashrae.org](mailto:ashrae-satellitebroadcast@ashrae.org).





# **ASHRAE HAMILTON CHAPTER** **SCRAMBLE GOLF TOURNAMENT**

**DATE: WEDNESDAY JUNE 4, 2008**

**LOCATION: LEGENDS ON THE NIAGARA, NIAGARA FALLS, ON**

**COST: \$150.00 PER PERSON**

**INCLUDES: 18 HOLES ON THE BATTLEFIELD COURSE  
ONE POWER CART PER TWO GOLFERS  
SUPPER  
FREE ACCESS TO DRIVING RANGE**

PLEASE COMPLETE THE FOLLOWING AND FAX OR E-MAIL TO DAVID RASMUSSEN  
RESTRICTED TO THE FIRST 120 PAID GOLFERS  
(REGISTER NOW TO AVOID DISAPPOINTMENT)

PLAYER 1 \_\_\_\_\_ PLAYER 2 \_\_\_\_\_

PLAYER 3 \_\_\_\_\_ PLAYER 4 \_\_\_\_\_

IF A SINGLE PLAYER, PLEASE INDICATE YOUR "NORMAL" SCORE FOR 18 HOLES:

75 - 85  86 - 96  97 - 107  108 - 118  119 OR OVER

SHOTGUN START AT 1:00 P.M. SHARP

DESIGNATED CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

- NEW SPONSOR – WE WOULD LIKE TO SPONSOR A HOLE @ \$125.

- PAST SPONSOR – WE WOULD LIKE TO SPONSOR A HOLE @ \$75.

- MY GROUP WILL BRING \_\_\_\_\_ GIFT CARD(S) FOR PRIZES.

**PLEASE SEND YOUR CHEQUE IN ADVANCE TO:**

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PHONE OR FAX: (905) 575-5542  
E MAIL: [drasmussen@delhi-industries.com](mailto:drasmussen@delhi-industries.com)

Make cheques payable to:  
ASHRAE Hamilton Chapter



# ASHRAE

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## **Region II CTTC NEWSLETTER**

### **February 2008**

#### **Opening Words**

Greetings everyone and welcome to the January 2008 Region II CTTC Newsletter.

Sorry for being late with this newsletter; you all know how work in our field can be. However, since it is still February, I can still call it the "February Newsletter". ;-)

As usual, you are invited to share this newsletter with the rest of your CTTC team (Program, Refrigeration and TEGA), and the other chapter committee chairs and members, and especially with your chapter Newsletter Editor. ☺

#### **FREE Advanced Energy Design Guides!!!**

In an unprecedented move, ASHRAE and its partnering organizations are making available for free the Advanced Energy Design Guide series. Electronic versions of the book in the series, including the new AEDG for K-12 School Buildings, are all available for free download at [www.ashrae.org/freeaedg](http://www.ashrae.org/freeaedg). Future guides, including one focused on warehouses to be published this spring, will be available for free electronic download as well.

The guides provide a sensible, hands-on approach to design through use of products that are practical and commercially available as "off-the-shelf" technology. They offer designers and contractors the tools needed for achieving a 30% energy savings compared to buildings that meet the minimum energy efficiency requirements of Standard 90.1-1999. For those of you involved in LEED projects, 30% below ASHRAE 90.1-1999 equals to 4 LEED points in the energy efficiency credit (EAc1).

Also, it is a good way to do some "ASHRAE advocacy" or "Government Activities" using these documents as the excuse and presenting them to your local city council, school board and such. That would be an easy way to put your ASHRAE Chapter on the forefront, and could benefit them a lot.

#### **ASHRAE Standard 189.1P – Call for Reviewers**

This is a standard for high-performance green buildings. Standard 189.1 addresses site sustainability, water use efficiency, energy efficiency, indoor environmental quality, and the building's impact on the atmosphere, materials and resources. Following the comments received during the first public review, the second complete draft is now available for public comments from February 22<sup>nd</sup>, 2008 through April 7<sup>th</sup>, 2008.

The document can be found at: <http://www.ashrae.org/technology/page/331>.

Reviews sent to the standard committee can count toward PAOE totals.

*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.*

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A N I N T E R N A T I O N A L O R G A N I Z A T I O N



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## ASHRAE IAQ Guide: Best Practices for Design, Construction, and Commissioning – Call for Reviewers

ASHRAE started this project in November 2006. Expected publication date is end of 2009. The final result will be a guide covering best design, construction and commissioning practices for commercial and institutional buildings. Because if that, I expect it will quickly find its way within all sustainable building efforts and rating systems.

The Project Committee has completed the 60% Draft of the Guide. It is available for peer review and feedback from February 18, 2008 through March 7, 2008. A copy of the draft may be downloaded in PDF (two files).

To download a copy of the draft documents, please go to the ASHRAE website ([www.ashrae.org](http://www.ashrae.org)), under "Technology / Special Project Activities".

Please note that the peer review period closes on March 7, 2008 at 5:00pm EDT. All remarks and suggestions should be sent to the Project Committee Chair at the e-mail alias [IAQDGChair@ashrae.net](mailto:IAQDGChair@ashrae.net).

Reviews sent to the chair can count toward PAOE totals.

## ASHRAE Learning Institute – New Pricing for Chapters

Scheduling an ALI course for your Chapter has always been a difficult and costly affair.

Not anymore.

It seems that the ALI has realized the value of having those course scheduled at the chapter level, both as means of revenue for the Society and the Chapter.

As such, a new pricing schedule as been published (see the table below). Basically, it is a flat fee that depends on course length and chapter size. Also, the student material must be ordered separately, at 15\$/copy for the short courses and 25\$/copy for PDS. The Chapter must arrange and pay for location, logistical arrangements and publicity. ALI pays speaker fees and travel costs.

Chapter size	Less than 100 Area Assigned Members	Between 101 and 300 Area Assigned Members	More than 300 Area Assigned Members
½-day Short Course	1 000 \$	1 500 \$	2 000 \$
1-Day Professional Development Seminar	2 000 \$	2 500 \$	3 000 \$
2-Day Professional Development Seminar	3 000 \$	4 000 \$	5 000 \$



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*Vice Chair, Region II*

Chapter Technology Transfer

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Based on my experience, this fee structure is far easier to plan with than the previous one. Also, it is more generous for the Chapters, considering that Short Course are usually 105\$ per members, while PDS are 250\$ per member per day.

All courses are subject to speaker availability. Consult the course list at [www.ashrae.org](http://www.ashrae.org), under "Education / Chapter/In-Company Courses", and then contact ALI at [edu@ashrae.org](mailto:edu@ashrae.org) to discuss availability and such.

At first glance, I'd say that setting up the "Complying with ASHRAE 90.1-2004 HVAC/Mechanical" course (short or 2-day courses are available) would be a nice proposal for Ontario Chapters, since the Ontario Building Code now refer ASHRAE 90.1.

## **UPDATE - 2008 Satellite Conference – Integrated Building Design**

The web page for the 2008 Satellite Conference is online. Also, site registration begins March 1<sup>st</sup>, 2008.

As part of my tasks as CTTC RVC, I've been asked to review the speakers' presentations. Based on the first versions of those, I believe the conference will be very informative and interesting, especially to those new to the idea of Integrated Design. As such, I greatly recommend you all to put some emphasis on it during your next newsletter publications, and via special emails to your membership.

It would be very profitable to all to have your local student branches set up a webcast site within their university and/or college. With the help of their faculty advisor, it shouldn't require too much work for them. Also, they should make sure to publicize it to the architectural and electrical/civil/structural engineering faculties if those are distinct (publicity should be aimed at the professors and students). Students in those faculties would find that presentation very interesting, especially if it isn't covered in their regular course curriculum.

And, remember that each registered site hosting a live webcast/broadcast presentation counts for PAOE points.

Go to [www.ashrae.org](http://www.ashrae.org), under "Education / Satellite Conference" for more information. Also, attached with this newsletter you will find the promotional flyer for the event.

## **UPDATE - Satellite Conference – Call for suggestions**

The subcommittee in charge of the Satellite Conference is looking for suggestions for its 2009 event (and the following years also!).

Please, take a few minutes to poll your other committee and chapter members for ideas and other suggestions and **report them to me**, as I'm asked to report those suggestions at the next CTTC meeting in June.

As a refresher, here are last years' topics:

- 2008: Integrated Building Design (upcoming in April 2008)

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# ASHRAE

Technology for a Better Environment

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## Frederic Genest, P.E.

Vice Chair, Region II

Chapter Technology Transfer

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- 2007: Indoor Environmental Design
- 2006: Building Security and Sustainability in the Building Environment
- 2005: Mold in the Building Environment
- 2004: Homeland Security
- 2000-2001: ASHRAE 90.1

For those of you having online pre-registration of some sort for your monthly conferences, adding the survey as a "must-do" on that page before they can complete pre-registration would be a nice way to get those results without too much hassle. I would suggest putting 3-5 suggestions with an "other: \_\_\_\_\_" field so they can choose or suggest the most interesting topic(s). Variant to this could be used; for example, adding the survey to the registration forms that are mailed to the membership.

Incidentally, this suggestion should be good for all form of surveys you need/want to make. ;-)

## UPDATE - ASHRAE Speaker Bureau

The ASHRAE Speakers Bureau has been adopted at the ASHRAE Winter Meeting. It can now be reached from the link on the ASHRAE CTTC web page, which you can find at [www.ashrae.org/cttc](http://www.ashrae.org/cttc).

Access to the database is password protected and available only to Chapter Program/CRC Chairs. You should be getting your password soon, if not already.

Also, starting next year, PAOE points will be attributed for entering your speaker list within the database, with the review scores, rather than reporting them to your RVC.

## PAOE

At the time of writing, five Chapters out of nine have entered PAOE points in the ASHRAE database in the CTTC category (ranging from 360 to 955). The three others have entered none so far (aside from the RVC points, which I have entered by myself).

Thanks for reporting. PAOE is a mean for the Society to "guide you" in what ASHRAE Chapters should be doing, and also to overview your progress from afar.

## Calendar

Upcoming official RVC trips:

- Quebec City on March 3<sup>rd</sup>, 2008
- Ottawa Valley on April 15<sup>th</sup>, 2008

Other:

- Satellite Broadcast/Webcast: April 16<sup>th</sup>, 2008, on *Integrated Building Design*.
- Technology and Refrigeration Award Competitions, May 15<sup>th</sup>, 2008
- ASHRAE Summer Meeting: June 21<sup>st</sup> to 25<sup>th</sup>, Salt Lake City, Utah.

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This concludes the current newsletter. If you have any comments or information you'd like to share with the rest of the Region, please let me know.

Until next time,

Frederic Genest, P.E.  
Region II CTTC RVC