

Capital **ASHRAE** Ottawa Valley Chapter Communiqué

ASHRAE - AMERICAN SOCIETY OF

HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

<http://www.ashrae.ottawa.on.ca> **OTTAWA VALLEY CHAPTER** e-mail: contact@ashrae.ottawa.on.ca

2012 - 2013

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Business Cards

Rod Lancefield

Nominations

Robert Kilpatrick

CRC

Darryl Boyce

Daniel Redmond

DATE: **Tuesday April 16, 2013** (Tech Session: 16:30, Social: 17:30, Dinner: 18:30, Program 20:00)

LOCATION: Travelodge Ottawa Hotel and Conference Centre, 1376 Carling Ave., Ottawa (P: 613-722-7600)

TECH SESSION: Damper and valve actuator sizing workshop

THEME: **Research**

PROGRAM: **ASHRAE Standard 189.1**

SPEAKER: **Hugh Crowther**

OVERVIEW: This month's topic will cover ASHRAE's high performance building standard 189.1. Our speaker has a unique point of view on this standard as he was chair of the Standards Committee during its initial development. Std 189.1 is gaining momentum with US Army Corp of Engineers and other key groups. Come learn more about this landmark standard, what it covers, how it integrates with USGBC's LEED system and what is coming next.

BIO: Hugh Crowther is an ASHRAE Society Director at Large. This year Hugh is assigned to Members Council working with Student Activities and Conferences and Expositions (CEC) Committees. Hugh has worked with all the Councils over time but specifically Technology Council where he spent 6 years on Standards Committee including chair.

Hugh's grass root experiences came from the Hamilton Chapter, RVC Refrigeration and Director and Regional Chair of Region II.

Hugh Crowther is a Licensed Professional Engineer in Ontario with BSME from Queens University. Hugh is currently Executive Vice President of Product Management and Technology at Price Mechanical Industrial. Hugh also worked in the field with customers all over the world in designing and applying applied equipment. He has spent time in China, Japan, Oceania, Mexico and the Middle East.

Hugh has written many articles and application guides on HVAC system design.

April Meeting Menu

Assorted Rolls and Butter
Baby Spinach Leaves, Artichoke, Black Olive, and Marinated Roast Red Pepper with Lemon, Honey and Herb Vinaigrette, Grilled Chicken Breast Cacciatore Style
Served with Rice Pilaf and Seasonal Vegetables
Fresh Fruit Flan
Coffee/Tea

*Chapter Members: \$40.00, Guests: \$50.00
Student Members: \$30.00, Life or Fellow Members: \$40.00*



President's Message

Donald Weekes

Chapter President 2012-2013

Publicity Committee Co-Chair 2012-2013

InAIR Environmental

E-mail: don.weekes@inairenvironmental.ca

Hello, everyone!

I hope that everyone is enjoying the spring-like temperatures as the snow slowly melts away. It has been a long winter in Ottawa. It is good to have the longer hours of daylight savings, to see that the sun is higher on the horizon, and that we can see the beginnings of the greening of our trees!

In spring, our thoughts often turn to.....baseball! I am looking forward to the beginning of the baseball season in April. I was fortunate this year to be able to attend a spring training game in Florida. It was a great experience, one that I hope I can repeat in the future. There is always renewed hope in the spring for your favorite team!

In May, Past President and Research Promotion Chair, Stephen Lynch, is planning a bus trip to Toronto to see the Blue Jays in action. I am hopeful that the many baseball fans that are ASHRAE OVC members will join the trip and help us reach our goal for ASHRAE Research this year. It promises to be quite a trip! April is Research Promotion month, so please contact Stephen to make your yearly donation to ASHRAE Research Canada.

The Awards and Nominations Committee, headed by Chair Bob Kilpatrick, is hard at work on the nominations for the next Board of Governors, as well as our annual and anniversary awards. If you know of a candidate for the Board or for an award, please contact Bob at Robert.Kilpatrick@nrc-cnrc.gc.ca.

In May, the last meeting of the sixtieth Chapter year will be held, and we are planning a rousing finish to this memorable year. Please plan to bring your spouse or significant other to the May 21st meeting. Our topic will be the Lansdowne development, which is well underway. I hope to have as many members as possible to attend to hear about this development, which will affect Ottawa for many years to come.

Our Student Career Fair on March 19th was a great success this year with ten (10) booths and many students looking for a position. I want to thank Student Activities Chair, Richard Cameron, and BOG member, Pat Albert, for their efforts to make this event a success.

Our next meeting is on April 16th at the Travelodge. Hugh Crowther, ASHRAE DL will be our speaker on ASHRAE Standard 189.1, The Green Standard for the Design of High Performance, Green Building. If it is the third Tuesday of the month, it must be ASHRAE night!

Donald Weekes

Chapter President 2012-2013

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What You Missed – March Meeting

Abbey Saunders

Governor 2012-2013

Table Top Display Committee Chair 2012-2013

National Research Council Canada

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The meeting took place at the Travelodge Ottawa Hotel and Conference Centre at 1376 Carling Avenue, in Ottawa in the Main Ballroom. The meeting was called to order at 6:35pm and attendees were seated for dinner.

The business session started with President Donald Weekes introducing the Board of Governors and Executive with Abbey Saunders introducing the evening guests. Steve Moons then welcomed new members: Mr. Peter Schonherr, Mr. Mvuala Suami, Mr. Michel Fontaine and Miss Martine Bergeron.

A nominations committee update was provided by Chair Bob Kilpatrick and attendees were reminded nominations for next year are open and should anyone have suggestions for nominations please contact a member of the nominations committee.

Richard Cameron briefly discussed the Career Fair that took place prior to the evening session which was a success with several students and prospective employers participating. Richard also informed the membership that the ASHRAE Library, complete with Handbooks and the requested standards has been established at Algonquin College. Lastly, the attendees were reminded of the importance of our continued support for student meal sponsorship and mentorship.

Donald Weekes reminded those registered for the NRC Construction Tour of the meeting time and location the following day and encouraged additional participation from the membership.

A number of announcements regarding appointments and participation in ASHRAE Society were then detailed by Donald Weekes. These included:

- OVC member Mr. Darryl Boyce to Society Vice President.
- OVC member Ms. Lan Chi Nguyen Weekes appointed to the Environmental Health Committee.
- OVC President-Elect Mr. Rod Potter appointed to the Electronics Communications Committee.
- Mr. David Underwood of the Toronto Chapter running for Society Treasurer.
- Mr. Bill Dean from Saskatoon, SK running for Society Delegate-at-Large.

Prior to dinner, President-Elect Bill Bahnfleth drew the winning ticket for the ASHRAE Research 50-50 Draw. Patrick Albert announced the winner, Mr. Chris Fudge, who quickly donated his winnings back to ASHRAE Research. A total of \$260 was raised in support of ASHRAE Research.

A buffet-style dinner complete with an assortment of rolls, traditional Caesar salad, tri-coloured rotini pasta salad, lasagna, salmon in dill sauce, roasted potatoes, seasonal vegetables and a variety of dessert squares were prepared and well received by attendees.

After dinner, the main program event commenced, speaker Society President-Elect Bill Bahnfleth's presentation topic was Cool Energy Storage in the Era of Sustainability.

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The presentation started out with a reminder Thermal Energy Storage (TES) is an old technology that has been around for years which was very popular approximately 20 years ago, however it is becoming more applicable again as a result of technology changes and the current emphasis on design of sustainable systems. Mr. Bahnfleth reminded the audience that in simple terms the sustainability concept is implementation of systems that contributes to our quality of life with minimized impact to environmental footprint, and that we are trying to find a balance between these with sustainable design practices.

Mr. Bahnfleth described that the concept of TES in terms of cooling as producing cooling capacity at some time for use at another time. This concept allows production during low load conditions and utilization during peak or excess load conditions. The combination of both the production and storage components of a TES to meet load requirements is one of the major benefits associated with this type of system. A TES can shift a facility's electric utilization load profile to reduce peak demand. In addition, since TES can help reduce the required capacity of the mechanical cooling production equipment TES can result in capital cost savings associated with the chiller and ancillary equipment as well as the distribution systems.

TES was a popular technology several years ago in the USA, as it was promoted by monopoly utility providers as a demand-side management tool. Users were offered incentives by the utilities to reduce their demand as this was significantly cheaper for the utility providers than increasing their plant capacities. However, with the deregulation of the utility providers this increased awareness that the use of TES to decrease demand was not necessarily "green" by rather an unintended side effect of monopoly utility incentive programs, and this contributed to TES gaining somewhat of a bad reputation.

Next Mr. Bahnfleth discussed why TES can be considered a sustainable technology. TES can help to reduce site (user) energy consumption. The reduction in site energy consumption can be attributed to several factors including: favorable day-night condensing temperature changes, a decrease in low load conditions for mechanical cooling equipment and a decrease in standby capacity losses. Source (utility provider) energy consumption and emissions can be reduced through use of TES. The factors attributing to the reduced energy consumption and decrease emissions at the source level include: more efficient production and decreased transmission losses as a result of reductions in peak demand.

TES is currently utilized to help maximize power production and efficiency of gas turbines which for CHCP plants aides in the maximization of electricity production. TES may present a feasible alternative to batteries for use with renewable energy resources. Utilization of TES to help maximize the effectiveness and use of renewable energy sources such as wind and solar is an aspect of the technology for which additional investigation is desired.

Mr. Bahnfleth finished off his presentation with review of a case study and a brief summary of conclusions regarding TES. Proper operation plays an important role in maximizing cost savings and the overall effectiveness of a TES. TES is a mature technology for load management that has significant potential to contribute to the sustainability of our built environment but the challenge lies with how to integrate this technology properly in our design practices.

Following a question period, Donald Weekes thanked Mr. Bahnfleth for his presentation, and the meeting was adjourned at approximately 8:40pm.



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News Update

Daniel Redmond

Governor 2012-2013

CRC Program Committee Chair 2012-2013

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NEW BACNET STANDARD PUBLISHED WITH SIGNIFICANT IMPROVEMENTS TO ALARM HANDLING

ATLANTA – Changes to the newly published BACnet standard from ASHRAE will encourage smart lighting controls and other building automation controls systems.

ANSI/ASHRAE Standard 135-2012, BACnet – A Data Communication Protocol for Building Automation and Control Networks, allows building equipment and systems manufactured by different companies to work together. It is the only open, consensus-developed standard in the building controls industry.

The new standard is being published ahead of schedule due to the wide-reaching changes in alarming functionality made by addendum af to Standard 135-2010. This edition of the standard also includes recently adopted changes for the lighting industry.

Addendum af provides significant improvements to the alarm handling in BACnet including: improved fault handling, temporary alarm recipient subscriptions, improvements in scalability of alarm distribution and simplifications in alarm distribution to support less complex products, according to Carl Neilson, chair of the Standard 135 committee.

“For building owners/integrators these changes allow improvements in interoperability between lighting control products and other building automation systems,” he said. “Hopefully, this facilitates more deployment and integration of smart lighting controls, such as lights that turn on/off when occupants enter/leave rooms; lights that come on based on the same schedules as climate control; and opportunities to reduce lighting based on energy usage during demand/response events. With the changes in alarming, we also hope to see alarming support in ‘smaller’ devices, which should provide more alarm and fault detection with a lower engineering cost.”

Addendum “af” contains 32 parts. Changes include:

- Removal of Annex C and Annex D
- Clarification of optionality of properties related to intrinsic event reporting; optionality of properties related to change of value reporting; priority_array and relinquish_default; segmentation related properties; virtual terminal related properties; time synchronization interval properties, backup and restore properties; active_COV_subscriptions property; slave proxy properties; restart related properties; log_deviceobjectproperty; clock aligning properties; and occupancy counting properties are allowed to be present
- Ensures that pulse_rate and limit_monitoring_interval are always together and that that event notifications are not ignored due to character set issues
- Adds the ability to configure event message text; event detection enable/disable property; dynamically suppress event detection; specify a different time delay for to-normal transitions; inhibit the evaluation of fault conditions; for some objects types to send only fault notifications; a notification forwarder object type; an alert enrollment object type



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- Separates the detection of fault conditions from intrinsic reporting
- Makes the event reporting property descriptions consistent
- Identifies the property in each object that is monitored by intrinsic reporting
- Changes the description of the reliability property
- Improves fault detection in event enrollment objects and the specification of event reporting
- Reduces the requirements on notification-servers

This version of the standard also includes the addition of support for lighting control through the new lighting output object, the channel object and the WriteGroup service.

The cost of ANSI/ASHRAE Standard 135-2012, BACnet—A Data Communication Protocol for Building Automation and Control Networks, is \$170 (\$140, ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

26 PROPOSED ADDENDA TO ASHRAE/IES ENERGY STANDARD OPEN FOR PUBLIC COMMENT

ATLANTA – With the 2013 version of the ASHRAE/IES energy standard scheduled for publication later this year, many changes are being proposed to strengthen its requirements.

As such, 26 proposed addenda to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, are open for public comment.

“As we move toward publication of the 2013 standard, the 90.1 committee is considering many changes to reduce building energy use and cost,” Steve Skalko, chair, said. “The proposed addenda reflect a variety of changes to the standard, many of which are the result of earlier public review comments. These changes contribute to our goal of making the standard 40 to 50 percent more stringent than the 2004 standard.”

The energy cost goals for the 2013 standard are:


- Regulated Loads only – 50 percent target includes only regulated energy end use loads as included in the Standard 90.1-2004 baseline.
- Whole building – 40 percent target, which includes all energy end uses

Twenty-two proposed addenda are open for public comment from March 22-April 21, 2013. For more information, visit www.ashrae.org/publicreviews. They are:

- aa mandates direct digital control (DDC) for certain applications in both new buildings and retrofits where cost effective and defines the minimum capability of mandated DDC systems.
- bo adds requirements for use of gas condensing service water heaters in newly constructed buildings.
- bs reduces the occupancy threshold for demand controlled ventilation from greater than 40 people per 1000 square feet, with exemptions for certain occupancies, to equal to or greater than 25 people per 1000 square feet, expanding the occupancies where demand controlled ventilation is required.

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- co corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type, which then changes the associated whole building lighting power densities (LPDs) for hotel and motel.
- cr modifies the designation for the types of facilities eligible for the higher LPDs based on use of space for those needing additional lighting for age and other related eye issues.
- ct corrects an error for the addition of HVAC systems to heated only storage areas in Appendix G. The single zone systems would be assigned to a single thermal zone vs. being grouped with the multiple zone systems.
- cw uses the new SS-EN ISO 25745-1:2012 to add a movement energy efficiency requirement for elevators.
- cy revises the requirements for the use of exhaust air energy recovery as defined in 6.5.6.1. In 2012, addendum bt expanded down the range for the use of exhaust air energy recovery to 10 percent ventilation rates. In addition, energy recovery was removed for climate zones 3B, 3C, 4B, 4C, and 5B for >70 percent outside air. These changes were based on the latest performance and economics analysis,
- cz ensures revisions to a table and new footnotes are consistent with Section 303 of the Energy Independence and Security Act of 2007 (EISA 2007), which increased the federal minimum efficiency standards for residential-sized boilers. Section 303 increased the minimum annual fuel utilization efficiency for gas and oil-fired boilers, and established design requirements for certain types of new boilers manufactured or imported for use in the United States. All of the efficiency and design requirements took effect for equipment built on or after Sept. 1, 2012.
- da provides two compliance paths for high speed doors within the Mandatory Air Leakage requirements. It also clarifies which test glazed overhead doors are to follow.
- db addresses an error in addendum bb contained within Table 5.5-3, under the category “Floors, Steel Joist” and in the cells assigned to the “residential” occupancy.
- dc clarifies that rooms within suites should be handled individually when one becomes empty.
- dd clarifies the exception to re-roofing and roof re-covering.
- de revises the design point for waterside economizers in computer room applications.
- df replaces current minimum performance requirements for packaged Computer Room Air Conditioners shown in Table 6.8.1k with a new table based on Standard 127-2012. The standard had referenced the 2007 version of Standard 127, Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners. AHRI and member companies have agreed to test their equipment under the new standard. The test configurations were increased and the performance values updated accordingly.
- dg changes the reference to the 2012 ANSI/CRRC Standard from the 2010 version.
- di prohibits use of fossil fuels and electricity for humidification above 30 percent RH and dehumidification to 60 percent RH, except in special circumstances. Where control is required within the 30-60 percent region, a deadband is required. Where even tighter control is mandated, the system is exempted.
- dj offers an increase in electrical/mechanical rooms in cases where the current proposed allowance of 0.42 W/sqft is not considered sufficient to provide needed vertical and horizontal illuminance given the varied configuration of electrical/mechanical rooms. The additional allowance would have to have separate control and could not be traded off to other spaces in the building.
- dk eliminates the exemption for wattage used in spaces where lighting is specifically designed for those with age related or other medical condition related eye issues where special lighting or light levels might be needed.
- dl corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type and combines them into a single value since the calculated value are determined to be the same for code purposes.

- dn revises the requirements for the use of hot gas bypass as defined in section 6.5.9 and table 6.5.9.
- do is updating referenced standards in various provisions covering mechanical systems in 90.1-2010.

In addition, three addenda under review that received public comments in earlier reviews have been revised and are open for public comment from March 22-May 6, 2013. They are:

- ac provides for two compliance paths with regard to utilizing air spaces in conjunction with reflective surfaces.
- bm makes the baseline building in Appendix G equivalent to 90.1-2004 for interior lighting design.
- cl modifies IEER requirements for the air cooled air conditioners ≥65,000 Btu/hr and < 135,000 Bu/hr to increase the IEER from 12.8 to 12.9 for electric resistance heating units and 12.6 to 12.7 for gas fired units. It also revises air cooled heat pumps ≥65,000 Btu/hr and < 135,000 Bu/hr for electric resistance heating units from 12.0 to 12.2 and from 11.8 to 12.0 for gas fired units.

In addition, one addendum opens for public review on March 29, closing April 28.

- Addendum cv develops baseline energy use guidance for public assembly spaces toward assessing energy performance achievement of a proposed building. Public assembly spaces are typically designed and operated differently than surrounding spaces.

President-Elect &
CRC Alternate



2013 CRC - Toronto

Rod Potter

President-Elect 2012-2013
PAOE Committee Chair 2012-2013
Roster Committee Chair 2012-2013
Webmaster 2012-2013

Rodders CAS

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This is just a heads up about the upcoming Chapter Regional Conference which will be hosted by those rascals at the Toronto Chapter. They have chosen the Fairmont Royal York as the venue, which promises lavish surroundings, not to mention it is right across the road from Toronto's Union Station. This would suggest that the travel means of choice will be VIA Rail for those of us lucky enough to attend.

Typically each Chapter sends their newly sworn-in President and President-Elect, who attend the caucus meetings – which are only open to caucus members. Other Chapter members who attend are Historian, Research Promotion Chair, CTTC Chair, Membership Chair, Student Activities Chair, and Program Chair. Often we open this up to a select few others who we feel might benefit from the experience.



This year our own Chris Fudge will be taking on the role of Regional Vice-Chair (RVC) for CTTC – which means we will be entertained by his presence also. He will be chairing the break-out meeting for CTTC and will use the opportunity to pass on what he has learned over recent years and possibly learn some new tricks from his Chapter cohorts.

Each of the Committees will have similar break-out meetings and much can be gleaned from time spent there. These meetings are open to all and it is common for people to pop from one meeting to another just to observe. Eventually I might be assuming the role of RVC Historian from George Menzies – these will be big shoes to fill – and Chapter Historians will have to get used to my peculiar brand of humour.

Perhaps it is a good thing these meetings are open – because people are free to leave as well as attend!

Anyway the dates for the CRC are Friday August 23rd (AM) to Noon Sunday August 25th, 2013.

I am looking forward to it.



Chapter Nominations Announcement

Bob Kilpatrick

Nominations Committee Chair 2013-2014

National Research Council Canada

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Hello everyone,

Although it doesn't feel a whole lot like spring as I write this, we are nearing the end of another eventful year for the Ottawa Valley Chapter, and our thoughts turn to the sustainability and longevity of the Chapter and the nomination of the Executive and Board of Governors that will lead us through 2013-2014.

On behalf of the Nominating Committee, I am pleased to announce the slate that will provide this leadership through the upcoming chapter year in holding office as the Chapter Executive and the Board of Governors of the Ottawa Valley Chapter:

Executive

President **Rod Potter**
President-Elect **Steve Moons**
Treasurer **Georges Maamari**
Secretary **Abbey Saunders**
Past-President **Don Weekes**

Board of Governors

Pat Albert
Paul Baker
Chris Fudge
Adam Graham
Dan Redmond

I'm sure you will join with me in offering congratulations to this group and will continue to provide your full support to them and the activities of the Chapter throughout the year.

The official installation of the officers and governors will take place at the May Chapter meeting.

I would also like to acknowledge the efforts of the members of the Nominating Committee for their invaluable input and discussion over the last short while in reaching these important decisions that impact the future of our Chapter:

Chris Frauley
Cathy Godin
Stephen Lynch
Steve Moons
Rod Potter
Sincerely,
Bob Kilpatrick



Take Me Out To The Ball Game

Stephen Lynch

Chapter President 2011-2012

Research Promotion Committee Chair 2012-2013

HTS Engineering Ltd.

E-mail: stephen.lynch@htseng.com

Research Promotion Event: Blue Jays Game, Saturday, May 4th



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Email: stephenl@htseng.com

Cell: 613-867-3882

You can contribute to ASHRAE research through cash, cheque (Payable to ASHRAE Research Canada) or on-line in the members product area. The on-line contribution is new this year and should make it easier for any member to contribute.

<http://members.simplesignup.ca/ashraeottawa/en/index.php?m=purchaseCart>

Or contribute at: <https://www.ashrae.org/standards-research--technology/research-promotion>

Do not hesitate to contact me if you have any questions or want to contribute.

Stephen Lynch

Past President, Research Promotion Chair



2013-2014 Roster

Rod Potter

President-Elect 2012-2013
PAOE Committee Chair 2012-2013
Roster Committee Chair 2012-2013
Webmaster 2012-2013

Rodders CAS

E-mail: ashrae@rodders.com

Hello from the President-Elect desk. We are intending to have a new roster available for the first meeting of the new chapter year, namely September 2013. The majority of the content included in a printed roster is simply downloaded from the ASHRAE Society website – which means that it will reveal what ASHRAE currently knows about you and your whereabouts.

We would urge you to sign-in to the Mother Ship over the coming weeks and satisfy yourself that your details are up to date. This is an easy thing to let go – people tend to change jobs in this life and consequently everything goes out of whack. Perhaps when you are moving from lowly administrator to head honcho you can be excused for not thinking about updating Atlanta. However the old phrase “garbage in, garbage out” does apply here.

So here we are reminding you again closer to the print date, as hinted in the March newsletter. Go to ashrae.org, sign in, and click on “My Membership” as shown below:

The screenshot shows the ASHRAE website interface. At the top, there is a navigation bar with links for Bookstore, About ASHRAE, and News. A user is logged in as Roderic, with a Sign Out link. The ASHRAE logo and tagline "Shaping Tomorrow's Built Environment Today" are visible. A search bar is present with the text "Need technical info? Search ASHRAE's Bookstore". Below this is a main navigation menu with categories: Resources & Publications, Standards, Research & Technology, Education & Certification, Government Affairs, Society Groups, and Membership & Conferences. The "Membership & Conferences" menu is expanded, showing options: Join Now, Benefits, My Membership, Honors & Awards, Student Zone, Conferences, Distinguished Lecturer Program, Webcasts, and Young Engineers in ASHRAE. On the left, a "Member Area" sidebar contains links for Renew Membership, Profile, Transactions, Committees, Regional, Fellow Nomination, Chapter, Upcoming Events, and Shopping Cart. The main content area displays "About ASHRAE" with a brief description of the organization's mission.

Click on "Update your bio" as shown below:

Resources & Publications | Standards, Research & Technology | Education & Certification | Government Affairs | Society Groups | Membership & Conferences

Membership & Conferences

Home | Membership & Conferences | My Membership

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Join Now

Renew My Membership

Benefits

My Membership

Honors & Awards

Student Zone

Conferences

Distinguished Lecturer Program

Webcasts

Young Engineers in ASHRAE

ASHRAE Merchandise

My Membership


Manage Personal Information

- [How do I login?](#)
- [Forgot Your Password?](#)
- [Change Password](#)
- [Change Your Address](#)
- [Update Your Bio / View or Edit Your Profile](#)
- [How to Update Your ASHRAE Biographical Record](#)

Students! Transfer Your Membership to SmartStart

Transfer your membership with SmartStart before the end of the month and you will be entered to win a "Smart Start Graduation Survival Kit" that will be given away in a drawing. [Learn More >](#)

Deliver improved capacity, temperature and humidity control with the Copeland Scroll Digital™ Retrofit Kit



This will reveal a screen like this:

ashrae.bio@ashrae.org'. A red rectangle highlights the 'Bio Info | Demographics | Contact Info | Membership | Edu. Pro. Reg | Honors and Awards | Participation | Other' navigation tabs and the profile information section."/>

Resources & Publications | Standards, Research & Technology | Education & Certification | Government Affairs | Society Groups | Membership & Conferences

ASHRAE Member Profile

Home | Member Area | ASHRAE Member Profile

Share this page [in](#) [f](#) [t](#) [✉](#)

[Bio Info](#) | [Demographics](#) | [Contact Info](#) | [Membership](#) | [Edu. Pro. Reg](#) | [Honors and Awards](#) | [Participation](#) | [Other](#)

Mr Roderic S Potter [print my profile \(bio\)](#)

[Member Dues Renewal Notice](#)

ASHRAE member grade: Member

id: 3032726

original election date: 12/01/1998 paid thru date: 11/30/2013

If you have any questions or issues please email ashrae.bio@ashrae.org.

Renew Membership

Profile

Transactions

Committees

Regional

Fellow Nomination

Chapter

Note here that the important areas to check are those enclosed by the red rectangle – which does not appear on the website.

Happy updating!



Research Promotion

Stephen Lynch

Chapter Past-President 2012-2013

Research Promotion Committee Chair 2012-2013

HTS Engineering Ltd.

E-mail: stephen.lynch@htseng.com

We raise money for all of the ‘resources’ of ASHRAE:

Research

Education (ASHRAE Learning Institute)

ASHRAE Foundation

Research Endowed Funds

General Fund

Contributions support special Board approved projects and programs

I would like to thank everyone who participated in the 50/50 draw during the March meeting. We raised \$125.00 for ASHRAE Research.

Special Mention:

Chris Fudge donated his winnings of \$125.00 from the March meeting’s 50/50 back to ASHRAE Research: Thank you Chris.

Mary Gauthier of the MCA provided ASHRAE OVC a \$500 cheque towards ASHRAE Research Canada. The MCA continues its tradition of support for ASHRAE Research and our industry

What types of Donors are there and what type of Donor are you?

Donor Category	Donation Amount
Platinum Circle	\$20,000+
Golden Circle	\$10,000 - \$19,999
ASHRAE Partner	\$5,000 - \$9,999
ASHRAE Associate	\$2,500 - 4,999
Major Donors	\$250 - \$2,499
Honor Roll Donors	\$100 - \$249 (\$150 minimum for companies)

Here are some fundraising terminologies:

LYBUNTs – Last Year But Unfortunately Not This (Year)

SYBUNTs – Some Years But Unfortunately Not This (Year)

Do not be a SYBUNT or a LYBUNT, please donate now:

You can contribute to ASHRAE research through cash, cheque (Payable to ASHRAE Research Canada) or on-line in the members product area. The on-line contribution is new this year and should make it easier for any member to contribute.

<http://members.simplesignup.ca/ashraeottawa/en/index.php?m=purchaseCart>

Or contribute at: <https://www.ashrae.org/standards-research--technology/research-promotion>

Do not hesitate to contact me if you have any questions or want to contribute.

Stephen Lynch

Past-President, Research Promotion Chair



Student Activities

Richard Cameron
 Student Activities Chair 2012-2013
 Goodkey, Weedmark & Associates Limited
 E-mail: r.cameron@gwal.com

This past month we successfully set up a student library containing ASHRAE standards & books at Algonquin College. I would like to thank everyone who helped make it happen. We also had a great student turn out again at the last monthly meeting and we hope this trend will continue.

This year's career fair was a success! We had twelve booths, one sponsor and many great students attend. I would like to thank Pat Albert and the rest of the Board of Governors for all their help with the event. I would also like to thank all the students for showing up in such great numbers and all the companies who put in a booth or sponsored the event.

This Year's Career Fair Participants:



TAMCO
Innovative Damper Products

Doug Graham
 Regional Manager

Tel: 800-561-3449
 Fax: 800-668-8476
 Cell: 613-852-9700
 e-mail: grahamd@tamco.ca
www.tamco.ca

27 Iber Road
 Saitheville, Ontario
 Canada, K2S 1E6

TOTAL HVAC

Adam Beales
 Principal

Tel: (613) 723-4611
 Fax: (613) 723-4677
 Res: (613) 825-7319
 Cell: (613) 223-2112
 Email: adamba@totalhvac.com
 Web: www.totalhvac.com

Total HVAC Inc.
 14A-190 Colonnade Rd., S.
 Ottawa, Ontario
 Canada, K2E 7J5

Andrew Klassen
 Account Manager

TRANE

1024 Morrison Drive
 Ottawa, ON K2H 8K7
 Cell 613 808 4054 Direct 613 356 1966
 Tel 613 820 8111
 Toll Free 888 872 6326
andrew.klassen@trane.com
www.trane.com

IR Ingersoll Rand



This Year's Career Fair Sponsors:



More student related information from ASHRAE:

Check This Out:

ASHRAE Student Zone: Scholarships and Grants to Careers and Internships... <http://www.ashrae.org/students/>

ASHRAE Scholarship Program <http://www.ashrae.org/students/page/1271>

Smart Start Program (20-50-50) – Don't know what it is? Every Student Should! <http://www.ashrae.org/students/page/703>

Best Regards,

Richard Cameron

Student Activities Chair



Table-Top Displays

Abbey Saunders

Governor 2012-2013

Table Top Display Committee Chair 2012-2013

National Research Council Canada

E-mail: abbey.saunders@nrc-crnc.gc.ca

What better way to display a new product, existing line, or share great ideas than to have a table-top display at our local OVC ASHRAE meetings? The OVC meetings provide a captive audience in the industry and exposure to 50+ people.

Featured table-top displays at the upcoming meeting include:



Why use a road map when you can use a GPS?

Belimo is please to showcase The Belimo ZIP Economizer. Setting up airside economizers used to be difficult. Not any more, thanks to the Belimo ZIP Economizer. "ZIP" stands for "ZIP code" – 5 little numbers that the installer keys in to automatically set up the ZIP Economizer for maximum energy savings in a given climate zone. No consulting temperature curves, no cross-referencing with energy codes, no operation manuals, and no erroneous factory default settings. It's like plugging your destination address into a GPS versus plotting a trip on a road map!

www.belimo.com

Remember to drop by and check the displays out, and thank-you for your continued support of our ASHRAE Chapter.

Committee
Chair



ASHRAE Golf Tournament – New Location!

Andrew Douma
Special Events Co-Chair 2012-2013
Total HVAC
E-mail: andrewd@totalhvac.com

It's that time of year again...Time to book your team for the ASHRAE Golf Tournament!

The 2013 ASHRAE Golf Tournament is scheduled for Tuesday June 4th, 2013 at the Marshes Golf Club.

This year's tournament will feature a few changes over previous editions. Firstly, we are at a new golf course, The Marshes Golf Course will be hosting us this year. Included in the cost of registration this year is access to the driving range / practice facility as well as improved locker room facilities (with towels included!). Secondly, the event will be held on a Tuesday this year, so please note the change in venue and date. We hope that the challenge of a different golf course and the fresh venue will be a welcomed change for the Chapter.

Another benefit of the move to the Marshes is access to Marchwood, the executive nine-hole course on the same property. For those members who are not avid golfers but would still like a taste of golf here is your chance. If you are interested in a quick nine holes on the short course followed by dinner with the other participants please let us know. We would love to have the extra participants attend the event.

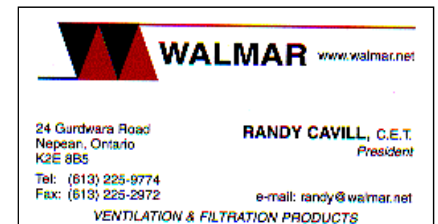
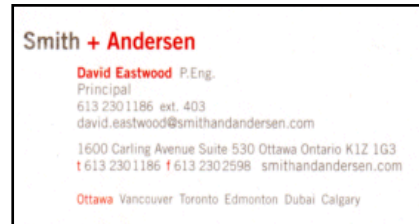
Full tournament details will be sent directly to all of last year's Registered Participants. Spots for returning teams will be held until April 19th, 2013, after which time the field will be opened up to new teams. Registrations will only be confirmed upon return of the completed Registration form and payment through the On Line Payment System.

The registration form also extends an invitation to the Membership to become involved as Hole Sponsors. Our Hole Sponsorship for ASHRAE Research Program has been wonderfully supported by our Chapter Membership in the past and continued support is appreciated for this year's event. As we are all aware a beneficiary of the tournament is ASHRAE Research and accordingly the more successful we are in this effort the more we will gain as a community. As always we expect a quick sellout so don't delay in returning your responses and getting your game in shape.

Should you have any questions about the Tournament or Hole Sponsorship please contact Andrew Douma at: andrewd@totalhvac.com or by phone at 613.723.4611.

Sincerely,

Your 2013 ASHRAE Golf Tournament Organizing Committee



Committee
Chair



NRC Construction Tour

Abbey Saunders

Governor 2012-2013




Table Top Display Committee Chair 2012-2013

National Research Council Canada

E-mail: abbey.saunders@nrc-crnc.gc.ca

The morning of March 20th seven ASHRAE members, including Society President-Elect Bill Bahnfleth visited the National Research Council Campus on Montreal Road and participated in a tour of an assortment of the Construction Portfolio labs and research projects each with links to ASHRAE.

The tour commenced with the Morad Atif, General Manager of Engineering Construction welcoming tour participants, outlining the general framework of the Construction Portfolio and introducing the numerous competencies of the Construction Portfolio. Next Trevor Nightingale, Director of Construction reviewed the agenda for the tour and informed participants that the labs and facilities to be visited during the tour represent only a minor snapshot of what NRC Construction, and NRC in general currently have on the go in terms of research projects.

		
<p>Dr. Bob Magee in Analytics Lab</p>	<p>Dr. Boualem Ouazia in Indoor Environment Research Lab</p>	<p>Society President-Elect Bill Bahnfleth in Mould Lab</p>

The facilities visited during the tour included: Mould and Analytics lab, Indoor Environment Research Lab, Construction Test Chambers, Roofing Wind Uplift Lab, Indoor Air Research Lab and the Fire Research Lab.

Throughout the tour participants were encouraged to ask questions and provide feedback since industry input and collaboration with organizations such as ASHRAE play a significant role in research activities at NRC. During the tour we learned that the Fire Research Lab, through research regarding smoke movement and control in buildings has been involved with ASHRAE in some capacity for over 65 years.

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K2H 8S9

Greg Terry, P. Eng.
Mechanical Engineer

Phone: 613-828-7900
Fax: 613-828-2800
email: gregt@jp2g.com

Longhill Energy

Chris Harrison
President

chrish@longhill.ca
Phone and cell option: 613-226-3856 ext. 24
Fax: 613-226-2715
111-15 Capella Court, Ottawa, Ontario K2E 7X1
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Student Sponsorship

Richard Cameron

Student Activities Chair 2012-2013

Goodkey, Weedmark & Associates Limited

E-mail: r.cameron@gwal.com

Each year student activities looks for help in two main forms, the first and most common being the student meal sponsorship. We strongly encourage this type of donation as it allows more students to join our meetings and not have them miss out on fantastic opportunities due to budgetary reasons. You may sponsor a student meal by pre-paying online while registering for the monthly meeting, purchasing a student meal at the door on the way into the meeting or contacting me at any time.

I would like to take this opportunity to thank all the people who have sponsored meals this past month; your generosity is greatly appreciated.

Last Month's Meal Sponsors:

- Paul Baker
- Abbey Saunders
- Michael Swayne x2
- Nicholas Lea
- Aaron Dobson

The second form of help is volunteered time. The student design competition presents significant challenges and the competing students require input from us industry professionals to help them get up that steep and quick learning curve. If this rewarding venture interests you, please don't hesitate to contact me.

I would like to take this opportunity to thank all the people who have helped with this year's design team; your time and expertise are greatly appreciated.

This Year's Student Competition Volunteers:

- Barry Riddell
- Chris Frauley
- Joe Della Valle

Thank you all for your support!

Best Regards,

Richard Cameron

Student Activities Chair



X-L-AIR

ENERGY SERVICES Ltd.



X-L-Air is an Ottawa-based **prime mechanical contractor** working on commercial, institutional and high rise residential projects. Through controlled and steady growth we are currently one of the main mechanical contractors operating in the Ottawa area. For more information on our company please access our website at: www.x-l-air.ca

We are seeking the following individual:

SENIOR MECHANICAL ESTIMATOR

You have at least 5 years relevant experience and a good understanding of Mechanical Plumbing, Sheetmetal and HVAC piping systems. Knowledge of both trades would be an advantage. You have good technical and organizational skills. Your years of relevant experience must have given you the ability to quickly and accurately estimate sheetmetal, plumbing and HVAC piping work. Computer skills are essential, including experience using estimating software. Training to use our piping and sheetmetal estimating software will be provided if necessary.

Reply in confidence and send your resume to Nick Haitas by email at: nhaitas@x-l-air.ca

PLEASE IDENTIFY IN YOUR EMAIL HOW YOU HEARD OF THIS JOB POSTING

SENIOR ELECTRICAL ENGINEER

NORR Limited is a multi-discipline team of Architects, Engineers and Planners with a diversified multi-sector portfolio. We deliver creative global building solutions for both private and government clients including commercial office buildings, as well as facilities for education, sports and recreation, hospitality, justice and correctional services, aviation and biotechnology. NORR is the Consulting Services Division and flagship brand of the Ingenium Group of companies with offices in Toronto, Ottawa, Kingston, Calgary, Vancouver, Chicago, Detroit, Sacramento, Tampa, Abu Dhabi, Dubai, New Delhi and Mumbai. We are seeking a Senior Electrical Engineer to join our team in Ottawa. The candidate will report directly to the Vice President, Public Buildings.

Position requirements will include:

- Leading and prioritizing multiple electrical engineering design projects from original concept to complete preparation of construction drawings and specifications including tender and post tender process submissions and construction administration
- Electrical building systems investigation and reports
- Management and mentoring of staff
- Effective written and oral communication skills
- Bachelor of Electrical Engineering degree with minimum 10 years' experience in building lighting, power distribution, fire alarm, security, telecommunications, and data system design and investigation
- P. Eng. designation in Ontario

We offer a competitive salary and compensation/benefit package and a flexible work schedule in a professional and collaborative work environment.

Please direct your resume in confidence to:

Jonathan Hughes, OAA, LEED AP
Vice President, Public Buildings
NORR Limited
55 Murray Street
Suite 600
Ottawa, ON, Canada K1N 5M3
Jonathan.Hughes@norr.com



Advertising

Steve Moons

Treasurer 2012-2013

Financial Committee Chair 2012-2013

Special Events Committee Co-Chair 2012-2013

Total HVAC

E-mail: stevem@totalhvac.com

Advertising career opportunities on the ASHRAE Ottawa Valley web site makes good business sense. We offer a unique way to reach technical professionals and make your ad dollars work hard for you.

To discuss your needs, contact one of our Chapter Officers, via our [This Year](#) page. Increase the impact of your advertising through the ASHRAE Ottawa Valley web site today.

Rates for career opportunities ads are as follows:

Chapter Member: \$50/month

Non-member: \$250/month

PLACEMENT OF AN AD

We suggest that you complete and submit our [advertisement form](#) to speed up the processing of your request. If you have provided your e-mail address, a confirmation receipt e-mail will be sent to you for reference.

Please note that **ads require prepayment** made to the Treasurer. For payment and other information contact:

Steve Moons

E-mail: stevem@totalhvac.com

The ads will appear on the web site until the end date for publication provided in the submitted form. To extend the ad, please resubmit the form with the new publication dates and the required prepayment amounts.



Business Card Ads

Rod Lancefield

Publicity Committee Chair 2012-2013

HTS Engineering Ltd.

E-mail: rodl@htseng.com

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will also appear on the Chapter website.

Cost is \$225.00 for the year; contact Rod Lancefield, rodl@htseng.com, (613) 728-7400.



Your card here!



HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

Registration is \$1239, \$989 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!



HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Registration is \$829, \$679 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!

Visit www.ashrae.org/hvacdesign to register