

# 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](mailto:contact@ashrae.ottawa.on.ca)

**DATE:** **Tuesday October 16, 2012** (Tech Session: 16:30, Social: 17:30, Dinner: 18:30, Program 20:00)

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

**THEME:** **YEA – Young Engineers in ASHRAE**

**TECHNICAL SESSION:** DOAS vs. VAV System Design

**PROGRAM:** **Plasco Energy Plant Design**

**OVERVIEW:** An in-depth look at the design and implementation of the Plasco Energy plant.

**SPEAKERS:** Jonathan Enns / Tyler Stearns (Plasco Energy)

**BIO:** Jonathan Enns joined Plasco Energy Group in September of 2011 as Manager of Mechanical Engineering from Winnipeg where he most recently held the position of Engineering Manager for Magna Electric in Winnipeg. Jonathan's primary experience is in various manufacturing and heavy electrical manufacturing and construction. This includes his first professional position for Federal Pioneer Ltd as a mechanical and structural engineer for Large Power Transformers. Other experience includes design of heavy haul and logging trailers in Penticton, BC; over 10 years in the design of mobile substations and electrical switchgear (for Pauwels – formerly Federal Pioneer) in the position of Design Engineer and later as Engineering Manager; three years as Engineering Manager for VAW Systems designing silencers and acoustic enclosures; and as Engineering Manager for Magna Electric and was responsible for various projects including substation layout for mining operations. Jonathan graduated from the University of Manitoba with a B. SC. Of Mechanical Engineering and a M.Sc. of Mechanical Engineering specializing in Materials. Jonathan is a member of the Professional Engineers of Ontario.

Tyler Stearns, a local Ottawa resident joined Plasco Energy Group in 2009 as a Mechanical Engineer. Tyler graduated from Carleton University with a Bachelor of Mechanical Engineering in 2000. Prior to joining Plasco, Tyler's primary professional engineering experience came from his 6 years working at Norcan Hydraulic Turbine, where he held a Mechanical Engineering position and contributed to the design, fabrication, installation and commissioning of hydro turbines. Tyler achieved his P.Eng designation while working at Plasco. Tyler's contributions to Plasco include the design and testing of prototype equipment to stabilize and convey baghouse ash and modifying existing equipment to meet new demands, or improve performance. Examples include modifying an existing drag chain conveyor to minimize material hang-ups in the conveyor and prevent the jamming of downstream equipment; design of a mixing duct to be installed in the large Syngas Storage tank to encourage gas mixing; design of large refractory lined piping and ductwork connecting vessels; and performed heat expansion calculations for selecting appropriate high temperature expansion joints for the new conversion unit presently being tested at Plasco's demonstration facility. During his time at Plasco he has expanded his experience across numerous Engineering disciplines including propane burner management systems and currently works in a Project Engineering capacity. Tyler is a member of the Professional Engineers of Ontario.

### October Meeting Menu

Assorted Rolls and Butter ,Cream of Leek and Potato Soup, Slow-roasted AAA Beef with Red Wine Jus served with Rice Pilaf and Seasonal Vegetables, New York Style Cheese Cake with Berry Coulis, Coffee & Tea  
*Chapter Members: \$40.00 Guests: \$50.00 Student Members: \$30.00*

**2012 - 2013**

**President**

*Donald Weekes*

**President Elect**

*Roderic Potter*

**Treasurer**

*Steve Moons*

**Secretary**

*Georges Maamari*

**Past President**

*Stephen Lynch*

**Governors**

*Paul Baker*

*Chris Fudge*

*Abbey Saunders*

*Pat Albert*

*Dan Redmond*

**COMMITTEES**

**Audit**

*Karen Peck*

**Research Prom.**

*Stephen Lynch*

**Membership**

*Adam Moons*

**Program**

*Adam Graham*

**Student Activities**

*Matthew Edmonds*

**CTCC**

*Chris Fudge*

**Chapter Historian**

*Aaron Dobson*

**Special Events**

*Chris Healey*

**Andrew Douma**

**Communiqué**

*Derek Atkins*

**Publicity**

*Don Weekes*

*Rod Lancefield*

**Table Top**

*Abbey Saunders*

**Attendance**

*Cathy Godin*

**Greeter**

*Mike Swayne*

**Roster**

*Roderic Potter*

**Webmaster**

*Roderic Potter*

**PAOE**

*Roderic Potter*

**Business Cards**

*Rod Lancefield*

**Nominations**

*Robert Kilpatrick*

**CRC**

*Darryl Boyce*

*Daniel Redmond*



## President's Message

### Donald Weekes

Chapter President 2012-2013

Publicity Committee Co-Chair 2012-2013

**InAir Environmental**

E-mail: [don.weekes@inairenvironmental.ca](mailto:don.weekes@inairenvironmental.ca)

Hi, everyone:

What a great start to the Chapter year! The 60<sup>th</sup> diamond celebration of the Ottawa Valley Chapter on September 18<sup>th</sup> at the Mill Street Brewpub was a terrific evening for all members who could attend. There were twenty-four Past Presidents present, and it was an impressive sight to see all of them walk to the front of the room. I have had correspondence from some of them, and the celebration was very much appreciated by the Past Presidents, as well as by the OVC members who attended. Deputy Mayor Eli El-Chantiry was there to congratulate the Chapter on 60 years of community service, and our own past History Chair Paul Baker regaled the attendees with stories about the Chapter and its members from the past 60 years. There will be photos on the website soon of the night to remember our past, to enjoy the present and to anticipate the future.

The Inaugural 2012 ASHRAE OVC Stroke Play Golf Tournament took place on September 5<sup>th</sup>, 2012. I want to thank Andrew Douma and Steve Moons for organizing this Special Event for the 'serious' golfers in our Chapter. I was lucky enough to be at the aftermath of the event and share a few brews with the golfers. Everyone there agreed that it was a great time, and that the Stroke Play Golf Tournament should become an annual event.

Also on September 18<sup>th</sup>, we surprised Chris Fudge, the CTTC Chair for the past year, with an award for his Chapter Technology Transfer Committee (CTTC) efforts this past year. The award was the regional CTTC Allen Hanley Plaque for the best CTTC Chapter Chair in Region II. Chris was honoured for his CTTC efforts which resulted in a big increase in CTTC POAE points for OVC in 2011-2. This again was a well deserved award, and this award was presented to Chris on September 18<sup>th</sup> by past DRC and OVC member, Darryl Boyce.

This month's theme is YEA (Young Engineers of ASHRAE). The Young Engineers in ASHRAE (YEA) Committee enhances member benefits for young professional ASHRAE members, 35-years old and younger, by identifying activities and services focused on their needs. The new YEA Chair for OVC, Ms. Trudy Lucas, will be talking at the October 16<sup>th</sup> Chapter meeting about YEA activities for the coming year.

Also, on October 16<sup>th</sup>, the Chapter will have the opportunity to hear from two representatives for the Ottawa-based Plasco Energy Group about their innovative conversion technology that has helped Ottawa achieve their landfill diversion and renewable energy goals. Members will have the chance to listen to their presentation and to ask questions on the nuts and bolts on this technology.

See you all on October 16<sup>th</sup>!

**AMERESCO**  
Green • Clean • Sustainable

**ROY SAMHABER, P. ENG.**  
senior project manager

P: 613 224 7500 x6158 | P: 888 283 7267 | F: 613 224 3726  
rsamhaber@ameresco.com | ameresco.ca  
Ameresco Canada Inc.  
106 Colonnade Rd N, Ste 200 | Ottawa, ON K2E 7L6

Green • Clean • Sustainable

**BAXTEC**  
Mechanical Services  
*Your energy savings partner*

**MARK CSIFFARY P.ENG.**  
President • mark@baxtec.com

Office: 613-738-7450 Fax: 613-738-2973  
Cell: 613-229-8277 www.baxtec.com  
29-2450 Lancaster Rd., Ottawa ON K1B 5N3

A member of

**WESMECH**  
TECHNICAL SALES INC.

50 Ronson Drive, Suite 160 • Toronto, Ontario • M9W 1B3  
Tel: 416-251-8990 • Watts: 1-800-613-3789 • Fax: 416-251-8900  
www.wesmechtech.com

**Joseph McCallion, C.E.T.**  
President  
josephm@wesmechtech.com cell: 416-720-8976



## What You Missed – September Meeting

**Georges Maamari**

Secretary 2012-2013

CTTC Committee Co-Chair 2012-2013

Wood Banani Bouthillette Parizeau

E-mail: [Georges.Maamari@wbbengineering.com](mailto:Georges.Maamari@wbbengineering.com)

The meeting took place at the Mill Street Brewpub in Ottawa, in the meeting room upstairs. The meeting was called to order at 6:30pm, and attendees were seated for dinner.

The business session started with President Donald Weekes introducing the guests of honor Deputy Mayor Eli El-Chantiry and the 24 past presidents that made it out to the 60<sup>th</sup> anniversary of the Ottawa Valley ASHRAE Chapter. Donald Weekes gave a brief description of what was going on in the world back in 1952. Donald Weekes finished by introducing the Board of Governors and Executive.

Membership Chair Adam Moons announced thirteen new members and Georges Maamari introduced the guests of the evening.

Donald Weekes started announcing the 24 past presidents that were present at the meeting. Dalton McIntyre introduced himself as a past president and gave a brief history presentation. He explained some of his delightful experiences as a president of the chapter. Dalton also indicated that Rod Potter did a history article on him back in February of 2010. Deputy Mayor Eli El-Chantiry presented the two proclamations received, the first from the Mayor of Ottawa Jim Watson and the second from the Ontario Premier, Dalton McGuinty and gave praise to the Ottawa Valley Chapter and congratulated the chapter on having such a successful upcoming and continued growth. He was amazed of how many people attended the meeting and thanked the organization and its members for well serving the Ottawa community. Donald Weekes presented the commemorative glasses that were done in recognition of our Chapter's 60<sup>th</sup> anniversary.

Stephen Lynch discussed how important Research promotion is to the chapter and how money collected by our chapter remains is invested in Canadian research. Stephen also informed our members and guests that contributions can be made by various methods, including through the online system. Stephen is hoping to obtain support from all of our members.

Dinner was magnificently served by the Mill St. Brewpub and enjoyed by all. After dinner, Steve Moons discussed the upcoming bowling social event. The event will take place on November 13<sup>th</sup> and the cost for the foursome is \$180 or \$50 for an individual. Steve mentioned that last year's event was of great success and was a real fun night. Registration for the event will be posted online through our membership website.

Chris Fudge was asked to present the winners of the Regional Technology Awards. They were:

### Other Institutional

New: Frank Bann of Goodkey Weedmark and Associates Ltd. The City of Ottawa – Central Archives and Public Materials Centre

### Commercial

Existing: Kashyap Desai. MRCL 130 Albert Variable Refrigerant Flow (VRF) Heating and Cooling System

### Educational

New: Robert Lefebvre of Goodkey Weedmark and Associates Ltd. Ashbury College Boys' Residence

Mark Babineau  
Special Project Division Manager  
markb@srmech.com

**S&R**  
MECHANICAL  
Division of 881291 Ontario Inc.

2035 Lanthier Dr., Cumberland, Ontario K4A 3V3  
Tel: (613) 830-0165 • Fax: (613) 830-9152  
CORNWALL • Cell: (613) 577-9165/ OTTAWA • Cell: (613) 808-9245

**REGULAR CANADA INC.**  
170, Laurier Avenue West, suite 714  
Ottawa (Ontario)  
Canada K1P 5V5  
Tel.: (613) 565-2129  
Fax: (613) 565-8895

Stéphan Riffault, P.Eng.  
Sales Engineer  
srfault@regular.com

**SIEMENS** Industry

Siemens Canada Limited  
Building Technologies Division  
2435 Holly Lane  
Ottawa, Ontario  
K1V 7P2 Canada  
Tel: (613) 733-9781  
Fax: (613) 737-4985  
Cell: (613) 614-7165  
atma.anantram@siemens.com

Atma Anantram P.Eng.  
Account Executive

## Other Institutional

Existing: Kashyap Desai, CMCC HVAC Controls and EMCS

## Industrial Facilities Process

Existing: Kashyap Desai, CMCC 3000 Ton +/- Cooling/Heating Plant Upgrade

## Commercial

Existing: Kashyap Desai, Rideau Center 1700 Tons +/- HR Cooling/Heating Plant Upgrade

## Other Institutional

Existing: Geoffrey Russell Lynch of Dessau Inc. Bath Institution

Darryl Boyce presented the Allen Hanley award to Chris Fudge for the best CTTC chair of Region II. Chris Fudge thanked all the members and his committee for their support.

Donald Weekes recognized the time and dedication of Darryl Boyce and Daniel Redmond for the amazing job they did at the organizing the CRC which occurred this past August in Ottawa.

Bob Kilpatrick presented the Al Oakes award, which is given to a deserving member who demonstrates enthusiasm and commitment to the chapter. This year, the Al Oakes award was presented to Mike Swayne for all the amazing time and effort he has dedicated to the chapter over the last decade. Mike Swayne accepted the award and thanked the membership and chapter for this kind award.

Aaron Dobson, Chapter Historian, presented the original charter that was presented to the Ottawa chapter 60 years ago by the Montreal chapter which officially created our chapter. Aaron indicated to all members that if they have old ASHRAE memorabilia they would like to donate, they can contact Aaron directly.

Finally, Paul Baker presented a flavor of the OVC chapter over the past 60 years, starting from 1952 where 20 people formed our chapter. Paul displayed a map of Ottawa back in 1952 and explained the similarities and differences between now and then. The first hand written BOG minutes of 1952 were also displayed in Paul's presentation. George Carscallen described an organized ASHRAE trip to the Carrier plant that occurred back in the 1960s. In the 1970s, the Ottawa Valley Chapter appeared at the international stage with an appearance of Gord Goodkey in the ASHRAE magazine. In 1982-83, the OVC celebrated its 30<sup>th</sup> anniversary where Ed Schoenherr presented a similar presentation to the one Paul is presenting. In the 1980s, Stan Milross was highlighted as being very involved in all the social events and helped get volunteers involved in ASHRAE. In the 90s, Paul highlighted Ross McIntyre for his famous comparison of ASHRAE with... In the year 2000, Ray Young was recognized as Mr. Membership but sadly past away in 2005. Cathy Godin was also recognized as one of the many amazing volunteers that the Ottawa Valley Chapter has had over the past decade.

Donald Weekes thanked Paul Baker and Rod Potter on their amazing work for preparing the night's presentation.



Our guest of honor – Deputy Mayor Eli El-Chantiry



All 24 out of the 60 past-president that served our chapter

 **GENIVAR**

Jim Mills, P.Eng., Ing., LEED® AP  
Manager, Mechanical Group, Ottawa  
Senior Mechanical Engineer

15 Fitzgerald Road  
Ottawa, Ontario, CANADA K2H 9G1

Tel: 613-829-2800, ext. 108 ~ Cell: 613-240-2746  
Fax: 613-829-8299  
www.genivar.com ~ jim.mills@genivar.com

 **Diffo Mechanical Limited**

MECHANICAL CONTRACTOR

1508 STAR TOP ROAD, OTTAWA, ONTARIO K1B 3W6  
Tel: 613-241-7731 Fax: 613-741-9962  
cell: 613-880-8504  
danny@diffo.com

Danny Dillon, OSC  
President

 **WOOD BANANI PARIZEAU**

100-3740 Richmond Road  
Ottawa, Ontario K2H 5B9

Tel: (613) 596-6454

Patrick St. Onge, P.Eng, LEED AP  
Project Manager – Mechanical Engineer

[www.WBPEngineering.com](http://www.WBPEngineering.com)  
[patrick.stonge@WBPEngineering.com](mailto:patrick.stonge@WBPEngineering.com)



**CTTC Chair Chris Fudge receiving the Allen Hemley Award**



**Mike Swayne receiving the Al Oakes award**



**ASHRAE meetings are so much fun...**



**Everyone has a blast...**



**There's never any junk!**



## News Update

### Daniel Redmond

Governor 2012-2013

CRC Program Committee Chair 2012-2013

Smith & Andersen

E-mail: [daniel.redmond@smithandandersen.com](mailto:daniel.redmond@smithandandersen.com)

### ASHRAE PROPOSES NEW LIGHTING QUALITY REQUIREMENTS 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).

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, provides a design standard for those who strive for high performance buildings. It covers key topical areas of site sustainability, water-use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources.

Proposed addendum m would add lighting quality requirements to the scope of the Indoor Environmental Quality section of the standard. The proposed addendum is one of nine proposed changes to Standard 189.1 open for public review from Sept. 14-Oct. 14, 2012. To comment on the proposed changes or for more information, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

“It has been clearly established that good lighting has a positive effect on the occupants of a building,” Richard Heinisch, a member of the Standard 189.1 committee, said. “Or, looking at it from the opposite direction, when occupants are dissatisfied with their lighting, this can increase absenteeism and employee turnover which, in turn, decreases the sustainability of the enterprise. Any building, and particularly a high-performance building, should address issues of lighting quality (including visual acuity, task performance, visual comfort, health, safety and aesthetic judgment) so as to enhance the comfort and productivity of its occupants.”

This particular addendum addresses a subset of the lighting quality issues with the expectation that future addenda will be developed to address remaining issues. Subsections 8.3.6.1 and 8.3.6.2 require that the occupants of certain space types be given some level of control over the light levels in that space. As pointed out in the foreword of the proposal, citing a research study on the effects of lighting on office workers: “Normally, the persistence and vigilance of office workers will decline over the course of a workday. However, the presence of personal control of their lighting increased subject motivation allowing workers to sustain their performance—they persisted longer on difficult tasks and were more accurate on a task requiring sustained attention.”

A proposed third section, 8.3.6.2.1, ensures that certain media, such as whiteboards, are more likely to be properly illuminated by requiring separate lighting and lighting control for these surfaces, independent from the general lighting and control in the space.

The other addenda open for public review are:

- Addendum h, which clarifies the requirements for a continuous air barrier in Section 7 (Energy Efficiency) as well as the requirements for airtightness commissioning in Section 10 (Construction Plans for Operation).
- Addendum i, which modifies the climate zones to which the heat island section 5.3.2.3 (Roofs) applies.
- Addendum j, which clarifies shading provided by vegetation for the site hardscape and walls for heat island mitigation (5.3.2.1 Heat Island and 5.3.2.2 Walls).

Addendum k, which updates the Section 7.4.3.7 (Variable-Speed Fan Control for Commercial Kitchen Hoods) to reference the language in ASHRAE/ANSI/IES Standard 90.1-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings.



**Goodkey, Weedmark & Associates Limited**  
Consulting Engineers



**Ross McIntyre, P.Eng.**  
Principal, Designated Consultant, Mechanical Engineer

1688 Woodward Dr., Ottawa, ON, Canada, K2C 3R8  
Telephone: 613-727-5111 ext. 239 Fax: 613-727-5115  
[rossmc@gwal.com](mailto:rossmc@gwal.com)

**Rod Lancefield, P.Eng., LEED® AP**  
Engineering Sales  
[rod@htseng.com](mailto:rod@htseng.com)  
C 613.851.1997

**HTS Ottawa**  
1646 Woodward Dr.  
Ottawa, Ontario K2C 3R8  
T 613.728.7490 Ext.221  
F 613.728.8032  
Toll Free 888.280.8544  
[ontario.htseng.com](http://ontario.htseng.com)



**InAIR Environmental Ltd.**

**Lan Chi Nguyen Thi, P.Eng.**  
Partner

1390 Prince of Wales Dr., Suite 503  
Ottawa, Ontario K2C 3N6  
Phone 613.224.3863  
Fax 613.224.2561  
[lanchi.nguyen@inairenvironmental.ca](mailto:lanchi.nguyen@inairenvironmental.ca)  
[www.inairenvironmental.ca](http://www.inairenvironmental.ca)

Mould & Flood Remediation  
Drinking Water Testing  
Training Courses  
IAQ Surveys



- Addendum l, which adds Table C-17 to include the minimum transformer efficiencies for building designs following path B of Section 7.4.3.1 (Minimum Equipment Efficiencies).
- Addendum o, which adds a new mandatory provision to Section 9 (The Building's Impact on the Atmosphere, Materials, and Resources), establishing maximum mercury content levels for certain types of electric lamps.
- Addendum p, which removes the "Acceptance Testing" provision in Section 10.3.1.1 (Building Acceptance Testing) for small buildings.
- Addendum q, which clarifies that system commissioning must include commissioning of the associated control systems.

Addendum s, which clarifies the requirements for outdoor airflow monitoring in Section 8 (Indoor Environmental Quality), along with operational requirements for such monitoring in Section 10 (Construction and Plans for Operation).

## ASHRAE ANNOUNCES NEW GUIDELINE TO FOCUS 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.

Guideline 1.5-2012, The Commissioning Process for Smoke Control Systems, describes the technical requirements of the commissioning process described in ASHRAE's Guideline 0-2005, The Commissioning Process, to verify that the smoke control system achieves the owner's project requirements.

The guideline includes annexes that are based on actual project experience and current practice and illustrate application of the commissioning process for smoke control systems and components. It builds upon the concepts of Guideline 5, Commissioning Smoke Management System, and replaces it.

"Due to the integration and interdependency of systems, a performance problem in one system can result in less than optimal performance in others," Paul Turnbull, chair of the committee that wrote the guideline, said. "Although Guideline 1.5 focuses on smoke control systems, a successful building commissioning process validates the interoperability between all building systems. When smoke control is the primary focus of the commissioning process, coordination among disciplines is essential for success."

Other commissioning guidance from ASHRAE includes Guideline 0-2005, The Commissioning Process, which contains general requirements for the commissioning process of all building systems; and Guideline 1.1-2007, HVAC&R Technical Requirements for the Commissioning Process, which contains specific requirements for commissioning HVAC&R systems in Guideline 0-2005 that are unique to HVAC&R systems.


ASHRAE first began developing formal guidelines for commissioning in 1982, looking at documenting best practices to achieve facilities that perform according to an owner's needs and requirements. Its original guideline on commissioning was published in 1989.

ASHRAE also is working on several other guidelines and a standard related to commissioning: Guideline 0.2P, The Commissioning Process for Existing Systems and Assemblies; Guideline 1.2P, The Commissioning Process for Existing HVAC&R Systems; Guideline 1.3P, Building Operation and Maintenance Training for the HVAC&R Commissioning Process; Guideline 1.4P, Systems Manual Preparation for the Commissioning Process; and Standard 202P, Commissioning Process for Buildings and Systems.

The cost of Guideline 1.5-2012, The Commissioning Process for Smoke Control Systems, is \$54 (\$46, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore).

 <p><b>Yorkland Controls</b> ENVIRONMENTAL SOLUTIONS</p>	<p><b>Larry Gravelle</b> Tel: (613) 721-3301 Fax: (613) 721-4906 1-877-733-3833 <a href="http://www.yorkland.net">www.yorkland.net</a></p>
   	<p>Yorkland Controls represents leading control systems and component manufacturers. Integrated solutions for Lighting, Card Access, CCTV and Building Automation.</p>

	<p><b>David Yin</b> P.Eng., LEED® AP Associate, Buildings Engineering Mechanical Engineer Lead</p> <p><b>Stantec Consulting</b> 1505 Lapiniere Avenue Ottawa ON K1Z 7T1 Tel: (613) 725-5573 Cell: (613) 323-4964 Fax: (613) 722-2799 <a href="mailto:david.yin@stantec.com">david.yin@stantec.com</a></p>
---	---

<p><b>RODDERS CAS</b></p> <p>Building System Surveys / Design &amp; Retrofit AutoCad System Design &amp; Customization</p> <p><b>Roderic S. Potter</b> Principal</p> <p>155 Pineridge Road 88# 3 Corp, ON K0A 1L0 tel 613.839.2257 / fax 613.839.3226</p>	 <p><a href="http://www.rodgers.com">www.rodgers.com</a> <a href="mailto:info@rodgers.com">info@rodgers.com</a> cell 613.266.2134</p>
---	--



## Research Promotion

### Stephen Lynch

Chapter President 2011-2012

Research Promotion Committee Chair 2012-2013

E-mail: [stephenlynch@rogers.com](mailto:stephenlynch@rogers.com)

It is the research program that sets ASHRAE apart from other professional societies and associations of its kind. ASHRAE's hand-book series, technical programs, standards, and special publications all utilize the results of Research.

ASHRAE supports research with an annual budget of \$2 million dollars which funds approximately 70 to 80 research projects at once. All this research supports our careers and evolves our industry.

Thank you for those who have supported in the past and I will be reaching out to you looking for support in this year's efforts. For those who have not contributed, I will reach out to you for support. You do not need to give a lot, but participating helps you ensure our industry evolves and improves.

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>

This year we are also trying to raise money for the Lynn Bellenger Scholarship Endowment. Our Chapter has been tasked with raising \$300 before October 15<sup>th</sup>. I am hopeful that with your support we can meet this goal and support a fantastic scholarship. This contribution can be made the same way ASHRAE Research contributions are made.

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

Stephen Lynch

Past President, Research Promotion Chair

[stephenlynch@rogers.com](mailto:stephenlynch@rogers.com)



## ASHRAE OVC 2012-13 Financial Update

### Steve Moons

Treasurer 2012-2013

Financial Committee Chair 2012-2013

Special Events Committee Co-Chair 2012-2013

**Total HVAC**

E-mail: [stevem@totalhvac.com](mailto:stevem@totalhvac.com)

As many of you are aware, I am this year's treasurer, and as such am tasked with monitoring the chapter's finances, and helping to ensuring we use the money we receive from our membership to the best advantage of the chapter. To that end, I am working closely with our Chapter Director, Sandy Taylor, to transition the bookkeeping into her hands, and ensure a process by which the auditing of each chapter fiscal year can be made as simple as possible.

Because some of the data entry tasks that fell to the treasurer are now being handled by the chapter director, it allows me to take a look at the bigger picture of the chapter's finances. This means spending more time working towards assembling a budget that will allow us to plan for the future of the chapter, and ensure that we are being as fair as possible to our membership with respect to the fees you pay, as well as ensuring the money taken in is put back into the chapter in the best way possible. You've already seen some of this work in action with the special venue meeting we held in September, including the souvenir glasses. There will be a budget forecast for this year as part of next month's communiqué, and I welcome any questions or input that any of you may have with respect to the chapter's finances.





## 2012 Region II CRC Recap

### Daniel Redmond

Governor 2012-2013

CRC Program Committee Chair 2012-2013

Smith & Andersen

E-mail: [daniel.redmond@smithandandersen.com](mailto:daniel.redmond@smithandandersen.com)

The 2012 Region II Chapter Regional Conference (CRC) was held here in our Nation's Capital from August 24<sup>th</sup> through to August 26<sup>th</sup> 2012. In addition to representatives from all chapters within Region II we also had representation from ASHRAE Society and from across Region II. Our guests from Society were:

- Bill Bahnfleth (Society President-Elect)
- Eckhard Groll (Society Director at Large)
- Joyce Abrams (Society Staff)
- Mark Wills (Society Staff)

In addition to the guests from Society all of the Region II RVCs as well as Isabelle Lavoie (Region II DRC), our very own Joel Primeau (Region II ARC) and David Underwood (ASHRAE Research Canada) were also in attendance. In total there were 115 people in attendance for a fun and informative conference. The Halifax chapter won the 'Travelling Meatball' Award which is given each year to the chapter with the highest number of travelled kilometers taken to attend the CRC.

The conference facilities at Carleton University proved to exceed our expectations and earned many compliments from our guests. The facilities couldn't have been better suited for the meetings and our visiting ASHRAE Society DAL indicated that he would recommend university campuses to other regions as prime locations to hold CRCs.

The Region II Chapters set up historical displays in the central History Display area which provided all attendees the chance to take a look into the past for the Region II ASHRAE Chapters.

Outside of meetings there was time scheduled for fun with a Presidential Dinner held at the National Arts Centre. The 'Dueling Pianos' put on a spectacular show that was described later by Mr. Eckhard Groll (ASHRAE Society DAL) to be "the most fun [he has] ever had at a social event in [his] entire participation of ASHRAE."

Thank you to all of the volunteers and supporters who contributed to the CRC. Planning for the event began more than two years ago and the effort put forth by all resulted in an outstanding event. Thank you to all of the members of the CRC committee who devoted their time over the past two years to attend meetings and plan all of the details for this event:

- Darryl Boyce, CRC Committee Co-Chair
- Daniel Redmond, CRC Committee Co-Chair and Treasurer
- Joel Primeau, Sponsorships
- Rod Lancefield, Hospitality Suite
- Cathy Godin, Registration
- Lanchi Nguyen Weekes, Banquette Entertainment & Awards
- Paul Baker, Facilities
- Bob Kilpatrick, Transportation
- Karen Peck, Companion Program
- Glenn MacLean, Companion Program
- Matt Edmonds, Student Activities
- Steve Lynch, Chapter President 2011-2012
- Derek Atkins, CRC Committee Secretary

Thank you also to all of the sponsors who contributed to the CRC to help make the event a resounding success:



SPONSORS

SPONSORS

Platinum



Gold



Silver



Bronze





## Hand Dryers – Good or Bad?

### 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](mailto:ashrae@rodders.com)



Today I want to waffle on about electric hand-dryers, usually found in public washrooms. I take it you have noticed over the years that these things are often (a) woefully unsuited to the task of drying your hands; and (b) very good at making a noise. Over recent years I have been happy to note the steady improvement in hand dryer design which has given us the likes of the “Xlerator” and the Dyson “Airblade”. Like other equipment from the same manufacturer, the Airblade “never loses blowshun” or something along those lines. Seriously though, when dryers made the evolutionary step of “actually working”, I was impressed, as were those of us who were used to walking out of washrooms while rubbing our hands on our pants.

At the recent CRC which was held at Carleton University, I found myself in the washroom outside the Executive Meeting room in the River Building. People were taking it in turns using the Blast hand dryer which while sounding like a jet engine was doing a fine job of drying their hands. At some point during this break, I noticed our own<sup>1</sup> Joel Primeau shaking his head and complaining about the dryer: “Terrible things these, only a matter of time before they are all ripped out”. I was a little surprised to hear him say that I have to admit, and when questioned he said we should be using paper towels because of the health risk posed by the dryers.

This was news to me. It had never occurred to me that there was anything unhealthy about an efficient hot air blast across your hands. He pointed me towards published studies that reveal increased bacteria on your hands after using one. I had often wondered about how green it is to stop using paper towels in favour of machines that use electricity, but of course I had never looked into it.



Xlerator by Excel



Airblade by Dyson

The **Excel Dryer** website is keen to point out the environmental benefits of using electric hand dryers, and cite one case study carried out by the Maribyrnong City Council, Victoria, Australia. They converted to electric hand dryers which “cost \$6075 and ongoing annual energy costs are \$234. However, this cost is minimal when compared to the estimated \$26,941 Council used to spend each year to keep the toilets supplied with clean paper towel and to dispose of it when used.

The action has a payback period of 12 weeks and is predicted to save \$26,700 a year. By no longer using paper hand towels, Council is preventing 2.6 tonnes of direct CO<sub>2</sub>e emissions each year, as well as the estimated 40,000 litres of water used in production and 2.3 tonnes of CO<sub>2</sub>e emitted during the manufacturing

process”.

I was expecting to find studies of that nature. However a quick Google search for health risks associated with hand dryers reveals much food for thought. A visit to **Wikipedia**<sup>2</sup> revealed that “after washing and drying hands with the [basic] warm air dryer, the total number of bacteria was found to increase on average on the finger pads by 194% and on the palms by 254%”, “drying with the jet air dryer resulted in an increase on average of the total number of bacteria on the finger pads by 42% and on the palms by 15%”, and “after washing and drying hands with a paper towel, the total number of bacteria was reduced on average on the finger pads by up to 76% and on the palms by up to 77%.”.

So Joel was quite right in his mutterings, and I thank him for those. Interesting to note that the jet dryers deposit less bacteria than their anemic ancestors. The whole subject did make me realize that when using a hand dryer, you are actually letting a device blow possibly contaminated washroom air across your hands. I note here that the impressive Airblade incorporates a HEPA filter, and instead of using a wide jet of heated air, it uses a layer of unheated air traveling at around 400 miles per hour!

I have to admit I had not spent much time thinking about airflow in washrooms before this. Now I will be more careful when I break wind.

<sup>1</sup>Joel is leaving us for Quebec City, he will be missed. <sup>2</sup>ASHRAE OVC donated \$50 to Wikipedia last year.

**VAN FORT**  
ERIC VAN BENSCHOTEN  
35 LE ROY STREET, DAINLEIGH, QUEBEC  
CANADA J0V 1G6  
514 246-1661  
514 246-6524  
vanfort@vanfort.ca

**Smith + Andersen**  
David Eastwood P.Eng.  
Principal  
613 230 1186 ext. 403  
david.eastwood@smithandandersen.com  
1600 Carling Avenue Suite 530 Ottawa Ontario K1Z 1G3  
t 613 230 1186 f 613 230 2598 smithandandersen.com  
Ottawa Vancouver Toronto Edmonton Dubai Calgary

**WALMAR** www.walmar.net  
24 Gardwara Road  
Nepean, Ontario  
K2E 8B5  
Tel: (613) 225-9774  
Fax: (613) 225-2972  
e-mail: randy@walmar.net  
VENTILATION & FILTRATION PRODUCTS

**RANDY CAVILL, C.E.T.**  
President



## Special Events

**Steve Moons**

Treasurer 2012-2013

Financial Committee Chair 2012-2013

Special Events Committee Co-Chair 2012-2013

**Total HVAC**

E-mail: [stevem@totalhvac.com](mailto:stevem@totalhvac.com)

## ASHRAE Ottawa Valley Chapter 2012 Stroke Play Golf Tournament

After several years away, the ASHRAE OVC stroke play golf tournament was brought back this year. Talk with several of the chapter members during the year let us know that there would be interest in presenting this tournament to members who wanted a true test of their golfing skill. As such, the tournament went off without a hitch on Wednesday, Sept. 5<sup>th</sup> at The Canadian Golf & Country Club.

As this was the first year of this tournament's re-introduction, the number of participants was small, but enthusiastic, and more than enough for us to ensure we present this social function again next year. Congratulations go to Marc Parent with Longhill Energy, who's score of 78 won the day. Keep an eye out for this tournament next year, you have almost 12 months to hone your game!



## ASHRAE Ottawa Valley Chapter 2012 Bowling Social

Ladies and Gentlemen,

You are cordially invited to participate in the 2012 ASHRAE Bowling Social, to be held on

**Tuesday, November 13<sup>th</sup>, 2012** at the Merivale Bowling Center (1916 Merivale Rd., Ottawa, [www.merivalebowlingcentre.com](http://www.merivalebowlingcentre.com) ).

The format will be three games with 4 people per lane. **7:00 pm start. Please show up at 6:30 to register.** The entry fee is \$175 per foursome, or \$50 per individual. The entry fee includes 3 games, shoe rental and plenty of nachos/wings/pizza. Individual participants will be assigned into groups of four.

This is intended to be a social event to promote the camaraderie and fellowship of ASHRAE, please consider attending. Numbers need to be finalized by the first week of November, so please register early. Registration can be done on-line via the link below. Registrations will be confirmed via email receipt. If you have any questions, or need more information, please don't hesitate to contact me.

Payment can be made during the on-line registration at <http://ashraeottawa.simplesignup.ca/en/19/index.php?m=eventSummary> or in advance via cheque, or credit card. Cheques are payable to: ASHRAE Ottawa Valley Chapter and mail or deliver to:

**Doug Graham**  
Regional Manager

Tel: 800-561-3449  
 Fax: 800-668-8476  
 Cell: 613-852-9700  
 e-mail: [grahamd@tamco.ca](mailto:grahamd@tamco.ca)  
[www.tamco.ca](http://www.tamco.ca)

27 Ibar Road  
 Stittsville, Ontario  
 Canada, K2S 1E6

**Adam Beales**  
Principal

Tel: (613) 723-4611  
 Fax: (613) 723-4677  
 Res: (613) 825-7319  
 Cell: (613) 223-2112  
 Email: [adamb@totalhvac.com](mailto:adamb@totalhvac.com)  
 Web: [www.totalhvac.com](http://www.totalhvac.com)

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

Andrew Klassen  
Account Manager

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](mailto:andrew.klassen@trane.com)  
[www.trane.com](http://www.trane.com)



## 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](mailto: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.

We currently have table-top availability for the 2012-2013 OVC ASHRAE meetings on the following dates:

November 20, 2012

January 15, 2013

February 19, 2013

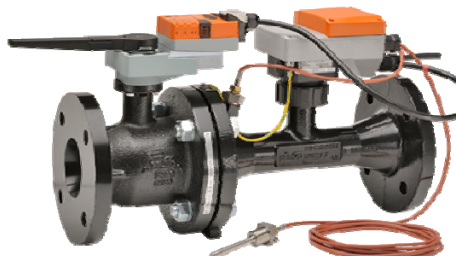
March 19, 2013

April 16, 2013

May 21, 2013

Cost for table-tops is \$200 and spaces are filling up quickly, so book your table-top today!

Featured table-tops at the October meeting are detailed below:



Belimo is please to showcase The Belimo Energy Valve, a two-way pressure independent control valve that optimizes, documents and proves water coil performance. One solution, so many benefits!

- Combat Low Delta T
- Enhanced Energy Optimization
- Improved Commissioning
- Better System Maintenance
- Green Certifications
- More Effective Control
- Smaller Equipment

[www.energyvalve.com](http://www.energyvalve.com)



Master Group is please to present Bousquet. Bousquet is a manufacture of gas fired HVAC units that can incorporate cooling, filtration, energy recovery and much more. Mater Group will be displaying cross flow & high efficiency counter flow plate, heat pipes, energy recovery wheel and an enthalpy type plate heat exchanger.

[www.master.ca](http://www.master.ca)

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

**Jp2g Consultants Inc.**  
ENGINEERS • PLANNERS • PROJECT MANAGERS

1150 Morrison Drive  
Suite 410  
Ottawa, Ontario  
K2H 8S9

**Greg Terry, P. Eng.**  
Mechanical Engineer

Phone: 613-828-7900  
Fax: 613-828-2800  
email: [gregt@jp2g.com](mailto:gregt@jp2g.com)

**Longhill Energy**

Chris Harrison  
Engineered Sales

[chrish@longhill.ca](mailto:chrish@longhill.ca)  
[www.longhill.ca](http://www.longhill.ca)  
Phone: 613-238-3856  
Fax: 613-238-2715  
15-111 Capella Court, Ottawa, Ontario K2E 7X1

The Energy Conservation People

**Master**  
SECONDARY REFRIGERATION  
VENTILATION HEATING

CHRISTOPHER FUDGE P.Eng.  
LEED® AP  
Commercial & Industrial Sales Engineer  
[cfudge@master.ca](mailto:cfudge@master.ca)

TEL 613-829-2816  
CELL 613-761-2173  
FAX 613-829-3731

The Master Group L.P.  
25H, Northside Road  
Ottawa (Ontario) K2H 8S1  
MASTER.CA



## Student Activities

**Mathew Edmonds**  
Student Activities Chair 2012-2013

It looks like Student Activities has some big changes coming this year! After many rewarding years of Chairing the OVC's Student Activities Committee, I have officially passed the torch to Richard Cameron. A Graduate of both Algonquin College and the University of Ottawa, Richard has many contacts at both Institutions, making him a perfect candidate for this role. I will continue to play my part and work with Richard to make this our strongest year yet! Without further ado, I would like to introduce you to Mr. Richard Cameron...

Thanks Matt, I am very excited to get started as the OVC's new chair of the Student Activities Committee. I would like to take this opportunity to thank Matt for his help in the transition process and his previous work at the position. When I was a student member of ASHRAE I always felt welcome and I am hoping to continue this trend.

For more information please contact me at: [r.cameron@gwal.com](mailto:r.cameron@gwal.com)

Each year we look for this 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. 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 contact me immediately at-

September's Volunteers and Sponsors:

**Student Competition Volunteers:**

Barry Riddell      Chris Frauley

**Student Meal Sponsors:**

Mike Swayne (x2)      Chris Harrison

Thank you all for your support!

Best Regards,

Richard Cameron  
Student Activities Chair 2012-2013

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>



## Membership Update...

**Adam Moons**

Membership Committee Chair 2012-2013

Walmar Ventilation Products

E-mail: [adam@walmar.net](mailto:adam@walmar.net)

Greetings Everyone!

Wonderful to have so many of our members out at the first meeting! Seeing the many faces that have contributed to ASHRAE Ottawa Valley Chapter over the years is inspiring.

Over this ASHRAE year I will be making my way to some of our consulting firms in an effort to show the value of involvement in our chapter, and to appeal for support from our consulting community. If this is something that you would like presented at your place of business, please don't hesitate to contact me for details. This will be an extension of the roundtable the was held in May.

I would also like to introduce and welcome the following new member:

Mr. Clark Campbell

Adam Moons, Membership Chairperson / OVC



## YEA Update

**Trudy Lucas**

YEA Committee Chair 2012-2013

InAir Environmental

E-mail: [trudy.lucas@inairenvironmental.ca](mailto:trudy.lucas@inairenvironmental.ca)

The month of September has been very productive for the YEA Committee; we have some great event ideas and plan to have our first event scheduled for the month of November.

A survey was emailed to all of the ASHRAE members who qualify as YEA (under 35 years of age). This survey was utilized to gather information on each person's level of interest for being involved as a YEA. If you have not yet filled out the survey, please visit the survey monkey link as this is your chance to be heard. <http://www.surveymonkey.com/s/27SHVY2>

We also have a YEA committee to assist in the planning and execution of upcoming events. These individuals are: Patrick Albert, Adam Moons, Brian Warren, and Adrienne Mitani. If you would like to be a part of this committee please contact me or any of the other committee members. We look forward to seeing the YEA out and having fun at our future events.

In addition, if you are looking for more ways to network with other young business professionals within the Ottawa-Gatineau community there is an after works drinks the first Thursday of every month. This is hosted by the Ottawa Young Construction Leaders (OYCL) and is at Milestones on IKEA from 5 to 7pm. Their web link is [http://www.ycleaders.com/?page\\_id=4](http://www.ycleaders.com/?page_id=4).

For more information on YEA visit <http://www.ashrae.org/membership--conferences/young-engineers-in-ashrae>

Trudy Lucas

**MCKEE**  
ENGINEERING

Jim Sciliano, P.Eng. LEED® AP  
Vice-President - Mechanical  
[Jim.Sciliano@mckeeottawa.ca](mailto:Jim.Sciliano@mckeeottawa.ca)

1785 Woodward Drive  
Ottawa, ON K2C 0P9  
CANADA  
Tel.: (613) 723-9585 x109  
Fax.: (613) 723-9584  
[www.mckeeottawa.ca](http://www.mckeeottawa.ca)

**METHOT**  
THE HEATING SPECIALIST

Michael McNamara, P. Eng.  
President  
[michael.mcnamara@methot.ca](mailto:michael.mcnamara@methot.ca)

Tel : 905.850.3037 Toll free  
Cell: 416.986.7822 Tel : 1.800.638.4682  
Fax : 905.850.8012 Fax : 1.800.433.3398

1060, boul. Michèle-Bélac, suite 101  
Blainville (Québec) J7C 5E2

[www.methot.ca](http://www.methot.ca)

**NORR**  
ARCHITECTS ENGINEERS PLANNERS

Mike Swayne  
P. Eng.  
Manager, Mechanical & Electrical Engineering  
T 613 759 5354  
[Mike.Swayne@norr.com](mailto:Mike.Swayne@norr.com)

**NORR Limited**  
55 Murray Street  
Suite 600  
Ottawa, ON, Canada K1N 5M3  
T 613 241 5300 F 613 241 4245  
[WWW.NORR.COM](http://WWW.NORR.COM)

An Ingenium Group Company



Longhill Energy is an Ottawa based company that has become known for its specialty energy conservation products in the commercial HVAC industry. For over 30 years, Longhill Energy's sales team has prided itself on offering advantages in design quality, energy efficiency, and overall performance of the products they offer. Having grown to represent nearly thirty manufacturers, they are able to offer solutions to challenging designs by working closely with consulting engineers, contractors, and owners.

Longhill Energy is currently seeking an experienced and talented sales engineer to join our fast paced team to promote, and sell HVAC equipment to the commercial, industrial and institutional construction industry. We seek sales professionals who are not only passionate about their work but also creative, innovative and want to take their sales career and compensation to the next level. Our creative and competitive sales environment rewards you for the ability to meet and exceed sales goals.

#### **KEY ACCOUNTABILITIES & RESPONSIBILITIES**

- Developing and cultivating an assigned customer base consisting of mechanical contractors, engineers, developers and other key individuals involved in making mechanical systems equipment decisions on both small and large scale building projects
- Travelling within designated area to visit potential clients
- Conducting site visits to verify and document equipment conditions
- Coordinating sales project requirements by using efficient time management
- Combining technical knowledge and sales skills to offer the best solutions in a competitive market
- Using needs based selling tactics and effective customer relationship management to proficiently outsell the competition in a price competitive market incorporating quality, price and delivery
- Negotiating tender and contract terms to meet both client and company needs
- Preparing, and submitting quotations in a strategic manner
- Meeting regular sales targets including the analysis of costs to ensure profitability
- Providing pre-sales technical assistance and product education
- Helping in the design of custom made products and making equipment selections using vendor supplied software and/or catalogue information
- Coordination with equipment vendors and suppliers of selected equipment

#### **QUALIFICATIONS & EDUCATION**

- 5+ years of proven sales experience on large transactions for products or services
- Experience on selling to mechanical contractors, engineers and/or developers in the construction, mechanical, technical or HVAC sales industry
- Prospecting, closing and growing business accounts
- HVAC system design and component selections
- Strong analytical and problem solving skills
- Strong written and verbal communication skills in English
- French written and oral communication an asset
- Ability to meet deadlines and efficient time and workload management skills
- Ability to work in a team environment
- Business aptitude to understand the importance of client relationships with a view of developing these into new business opportunities
- Past employment experience within the HVAC construction industry preferred
- A degree or diploma in Mechanical Engineering or equivalent from a recognized post-secondary institution with specialization in the HVAC industry preferred

If you are interested in being considered for this excellent opportunity, please send a resume plus cover letter including how your qualifications will meet the posted position to: [solutions@longhill.ca](mailto:solutions@longhill.ca)

Please note only qualified candidates will be contacted.

Inside and outside sales positions are available.

No phone inquiries.

For more information on Longhill Energy please visit [www.Longhill.ca](http://www.Longhill.ca)



Past President



## 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](mailto: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](mailto: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.

Committee Chair



## Business Card Ads

**Rod Lancefield**

Publicity Committee Chair 2012-2013

**HTS Engineering Ltd.**

E-mail: [rod@htseng.com](mailto:rod@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, [rod@htseng.com](mailto:rod@htseng.com), (613) 728-7400.



Your card here!



# ASHRAE Society Updates

# August 2012

## Attend the ASHRAE Winter Conference - January 26-30, Dallas, Texas

Deep in the heart of Texas, where the stars at night are big and bright, ASHRAE members will convene in Dallas to corral energy use and blaze the way in high performing building design.

Join the Society as it returns to Dallas for the 2013 Winter Conference, Jan. 26-30, Dallas, Texas. The ASHRAE co-sponsored AHR Expo® is also held in conjunction with the Conference, Jan. 38-30, Dallas Convention Center. This is your opportunity to:

- Network and reconnect with other members and old friends
- Build on your education and earn professional credits at ALL courses
- Update your library with the most recent publications from the ASHRAE Bookstore
- Stay informed on the latest advancements in the industry, while earning PDHs, during technical sessions
- Examine new and innovative technology at the AHR Expo
- Relax and mingle at social events and general tours

Registration for the conference will open on September 1. Information on the Dallas Conference can be found at [www.ashrae.org/dallas](http://www.ashrae.org/dallas)



## Leadership U Program Shapes the Future of the Society

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Here is your chance to find out! Through Leadership U (offered by the YEA Institute), up to four YEA members are selected for each conference to be matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

If selected to participate in Leadership U, the costs of attending the 2013 Winter Conference in Dallas (transportation, lodging and registration) will be covered by ASHRAE. In addition, those selected will document their experiences and share them with the YEA Committee, their chapter and their region.

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of December 31, 2012.

Deadline: All applications must be received by Monday, October 15, 2012. Applications are posted at [www.ashrae.org/yea](http://www.ashrae.org/yea).

If you have any questions about Leadership U or the application process, please contact Rhiannon Loomis at [rloomis@ashrae.org](mailto:rloomis@ashrae.org) or 678-539-1178.



## 7th INTERNATIONAL COLD CLIMATE HVAC CONFERENCE

November 12–14, 2012 | Calgary, Alberta  
[www.ashrae.org/coldclimate](http://www.ashrae.org/coldclimate)

International applications and innovations in cold climate  
HVAC design.



## ASHRAE/NIST REFRIGERANTS CONFERENCE

October 29–30, 2012 | Gaithersburg, Maryland  
[www.ashrae.org/refrigerants2012](http://www.ashrae.org/refrigerants2012)

New low GWP fluorochemical refrigerants and equipment  
applications for low GWP alternatives.

