

# Capital 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)

- 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**  
*Richard Cameron*
- CTCC**  
*Chris Fudge*  
*Georges Maamari*
- 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*

**DATE:** Tuesday May 21, 2013 (Social: 17:30, Dinner: 18:30, Program 20:00)

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

**THEME:** History—Visit the ASHRAE OVC Tabletop Display

**PROGRAM:** Lansdowne Park Restoration

**SPEAKER:** Marco Manconi

**OVERVIEW:** Mr. Manconi is the City of Ottawa’s Project Manager for the Lansdowne Restoration. His presentation will be an overview of the project, with attention to the buildings and the stadium.

**BIO:** Marco Manconi is a Professional Engineer and is currently the Manager of Design and Construction overseeing the redevelopment of Lansdowne. Marco’s substantive position with the City’s Infrastructure Services is as the Branch Manager for Design and Construction – Buildings and Parks. The branch is made up of professional engineers, architects, landscape architects, civil and architectural technicians and technologists, and manages all of the City’s building and park design and construction.



Marco has been involved in various aspects of construction for the past 16 years. After graduating from the University of Ottawa with a degree in civil engineering, he started his career with Koch Engineering in the pulp, paper and chemical processing industry constructing process infrastructure across western Canada and the U.S. He then moved to Ottawa-based Nicolini Construction as a project coordinator and worked on various projects across the city, such as the Peter D. Clark Long Term Care facility for the then RMOC. Before joining the City of Ottawa in 2001, he worked at Central Precast as the engineering manager responsible for various aspects of the firms engineering, manufacturing and construction sections.

Marco also volunteers his spare time with many organizations, including taking a leadership role on the Board of Directors of the 2006 and 2008 Ontario Summer Games.

### May Meeting Menu

Assorted Rolls and Butter  
Crisp Greens with Mandarin Orange and Cherry Tomatoes, Raspberry Vinaigrette  
Prime Rib with Wine Jus  
Served with Roasted Potatoes and Seasonal Vegetables  
New York Style Cheese Cake with Berry Coulis  
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](mailto:don.weekes@inairenvironmental.ca)

Hello, everyone!

Another year of the ASHRAE Ottawa Valley Chapter meetings is ending and new Chapter leadership under President-Elect Rod Potter is about to begin. For me, it has been a great four year commitment to the Chapter from Secretary, Treasurer, and President-Elect to President this year, with one more year as Past President and Research Promotion Chair. I have truly enjoyed this year!

Last May, I introduced my theme for the year: The Year of the Community. As a Chapter, we have made considerable progress on this over the past year with recognition by the City of Ottawa and the Province of Ontario on our sixtieth anniversary last September; sponsorship of the Better Buildings Breakfast series; articles in the Ottawa Construction News; and ongoing discussions with the Ottawa Chapter of the Canadian Green Building Council. I believe that these outreach efforts will enhance our members' involvement with the Ottawa community and provide a n elevated profile for the Ottawa Valley Chapter into the future.

I would like to thank the Executive team, the Board of Governors, the Committee Chairs and all of the other essential volunteers that ensured that our events went smoothly this year. In particular I would like to thank the following:

Andrew Douma: Golf Tournament

Steve Moons: Bowling and a new golf tourney for the 'serious' players

Chris Healey: Curling Bonspiel

Adam Graham: Program Chair for a terrific Program this year

Dan Redmond and Darryl Boyce: Chapter Regional Conference (A special thanks to all committee volunteers)

Richard Cameron: Student Program

Sandy Taylor: Chapter Director, for making sure that everything runs smoothly every month

I apologize if I missed anyone, and I extend my sincere thanks.

I would also like to thank InAIR Environmental for their support by allowing me the time needed to put towards this commitment.

May meeting's theme is History, and it is also a meeting to invite our significant others to attend. We will have a presentation on the Lansdowne redevelopment, and there will be a number of awards given this evening! Please join us for the wrap-up of our 60<sup>th</sup> year!

I would like to wish all the best to the new Executive and Board of Governors. The Chapter is in good hands with Rod Potter and his team. See you all on May 21<sup>st</sup> at the Travelodge.

Donald Weekes

**AMERESCO**  
Green • Clean • Sustainable

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

P: 613 224 7500 x6158 | P: 888 283 7267 | F: 613 224 3726  
rsamhaberi@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 – April Meeting

**Georges Maamari**

Secretary 2012-2013

CTTC Committee Co-Chair 2012-2013

**Wood Banani Bouthillette Parizeau**

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

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 6:55 pm and attendees were seated for dinner.

The business session started with President Donald Weekes introducing the Board of Governors and Executive. Secretary Georges Maamari introduced the evening guests and Adam Moons welcomed new members for the month.

Donald Weeks also introduced the table top display of the evening: Clark Campbell presented the Belimo Control Valve.

Darryl Boyce discussed society elections and how the procedure was implemented at society level. David Underwood was elected as treasurer, Darryl Boyce as vice-president, and William Dean elected as Director-at-large.

Bob Kilpatrick announced the nomination for the 2013-2014 ASHRAE OVC Chapter Board and Executive.

On the executive:

- President: Rod Potter
- President-Elect: Steve Moons
- Treasurer: Georges Maamari
- Secretary: Abbey Saunders

The board of governors:

- Pat Albert (returning)
- Paul Baker (returning)
- Chris Fudge (returning)
- Dan Redmond (returning)
- Adam Graham

Pierre Degagnon motioned that the nominees be accepted, and nominations closed. Phil Mayfield seconded the motion, and the nominations were closed. Installation of the new executive and board will be done at the May meeting.

Bob also presented this year's student award in memory of Dan Banton to student Keegan Hardy for his efforts and dedication to the Ottawa chapter.

Rod Potter discussed the technical session that occurred prior to the program meeting. The tech session was performed by Clark Campbell on valve and actuator sizing and was very well received by the audience.

Daniel Chouinard G. S. C.  
VP of Operations  
Cell: (613) 978-2334

**S&R**  
MECHANICAL  
Division of 681291 Ontario Inc.

2035 Lanthier Dr., Cumberland, Ontario K4A 3V3  
Tel: (613) 830-0265 ext. 134 • Fax: (613) 830-9152  
[dchouinard@srmech.com](mailto:dchouinard@srmech.com)

**REGULVAR 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  
[sriffault@regvar.com](mailto:sriffault@regvar.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](mailto:atma.anantram@siemens.com)

Atma Anantram P.Eng.  
Account Executive

Stephen Lynch announced the first research promotion event which is a Blue Jays baseball game in Toronto, There are 50 seats available at a cost of 200\$/ea. The cost includes transportation and a ticket to the game. Two tickets were drawn as part of the 50/50 draw and were won by the Travelodge attendant.

Steve Moons discussed the 2013 ASHRAE Golf Tournament on behalf of Andrew Douma. Steve informed guests that 90% of last year's teams have already registered for this year's event. Those who attended last year have until the end of next week to register, after which registration will be opened to new teams or registrants.

A plated dinner grilled chicken breast Cacciatore style served with rice pilaf and seasonal vegetables was served by the Travelodge and well received by attendees.

After dinner, the main program event took place, speaker Hugh Crowther started off by discussing some of the work that is currently going on at society level. Hugh informed the attendees that there are numerous standards that are currently under review so that they may be matched with the upcoming ICC.

Another major endeavor is the Building Energy Labeling Program which attributes two ratings for each building: a design rating (asset) – launched in spring of 2013, and an operating rating – launched in 2012.

ASHRAE also has a government affair group to discuss US congressional issues of interest such as energy efficiency, energy savings, building labeling, and construction standards. Hugh also touched base on the new Grassroots government activities committee to be in effect in June 2013.

Hugh's main presentation topic was ASHRAE 189.1 – Standard for the design of high-performance, green buildings. The main topic focused on the fact that many buildings do not perform at their true potential and how multiple organization are working together to find a solution to this frequent problem. Standard 189.1 is an ANSI standard, which was developed in model code language, to provide the minimum requirements for high-performance green buildings. There are 6 sections to 189.1 that form the base for the minimum compliance of a high performance building. These are:

- Sustainable Sites;
- Water Use Efficiency
- Energy Efficiency (90.1)
- Indoor Environmental Quality (62.1)
- Building Impact on Atmosphere, materials, and resources;

#### Construction and Operation Plan.

Hugh described the various chapter structures within standard 189.1 and the two possible paths to meet the minimum requirements: prescriptive and performance. Hugh also mentioned that Standard 189.1 is more stringent than 90.1 as it includes for plug loads and peak shedding as part of the energy reduction process. Currently one of the major requirements of 189.1 is that a building must meet the mandatory provisions of 90.1 and have onsite power generation. The remainder of the presentation focused on discussing the 6 sections mentioned above.

Following the presentation, Donald Weeks thanked Hugh Crowther for his presentation, and the meeting was adjourned at approximately 9:20 pm.



**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

1538 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



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)



Clark Campbell provided the technical session



April Meeting at the Travelodge



BelimoTable Top Display



President Donald Weekes welcoming guests



Bob Kilpatrick presenting Keegan Hardy with an award



Donald Weekes thanking Hugh Crowther



## 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)

### LIGHTING EFFICIENCY IMPROVEMENTS PROPOSED FOR STANDARD 90.1

ATLANTA – Proposed changes to the ASHRAE/IES energy standard will require automatic lighting controls in more space types and shorten the times before lighting is automatically reduced or shut off.

Addendum by to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, was developed in response to requests from the design community, which asked for a tabular structure for specifying the controls requirements. By putting these requirements into an easier-to-use tabular format, the provisions will be clearer, more likely to be complied with and easier to enforce, according to Eric Richman, chair of the standard's lighting subcommittee.

The addendum is open for public review from Feb. 15-April 1, 2013. For more information, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

“The proposed addendum is the product of both the interest in increasing lighting controls use where practical and simplifying the standard,” Richman said.

The 2010 version of the standard includes basic shutoff and occupancy sensor type controls in selected spaces. The addendum will increase the use of occupancy based control to all spaces in a building where practical. At the same time, additional partial on and partial off controls are added to further reduce full on lighting when spaces are typically unoccupied. For example, many spaces that are not always practical applications for full automatic off (such as corridors) would require at least partial automatic off when the space is unoccupied.

The new tabular format allows users to see all requirements for most interior space types and categories in one simple look-up table.

“This new representation and update of control requirements will reduce the time that lighting is on at full levels in many spaces and make the requirements easier to understand and therefore comply with and inspect to,” he said. “Both of these conditions will improve energy efficiency of the building.”

Also open for public review is addendum ay from Feb. 15-March 17, 2013. The proposed addendum corrects a couple of small editorial issues and raises the threshold for when daylight responsive controls are required so that they are cost effective in all climate zones.

### PROTOCOLS FOR PERFORMANCE MEASUREMENT PUBLISHED

ATLANTA – Tools and techniques for measuring, managing and improving the performance of a facility as demonstrated by its energy and water use and indoor environmental quality, are contained in a new guide.

“This is the book that facility managers, building operators, technicians, consultants, commissioning authorities, architects and design engineers need to ensure that their buildings are green, energy efficient, highly productive, healthy and attractive to others,” Jim Bochat, chair of the project committee that wrote the book, said. “This Guide gives building owners and their consultants the practical performance measurement guidance to meet market demands for keeping operating costs down without sacrificing the health, comfort and productivity of their highest cost component—the building’s occupants.”

“Performance Measurement Procedures for Commercial Buildings: Best Practices Guide” serves as the how-to guide for continuous-ly evaluating and improving the performance of commercial buildings throughout their service life.



**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 888.288.8544  
[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



Published by ASHRAE and funded in part through a grant from the National Institute of Standards and Technology, the book provides specific best practices in the areas of energy use, water use and four elements of indoor environmental quality (IEQ): thermal comfort, indoor air quality (IAQ), lighting/daylighting and acoustics. Using this guidance, owners can be proactive on an ongoing basis to reduce costs through measurement and verification of their buildings' environments.

The book is a companion to the 2010 publication, "Performance Measurement Protocols for Commercial Buildings," which identifies what to measure, how to measure it and how often it is to be measured for inclusion in buildings' operation and maintenance plan.

The Guide presents step-by-step procedures at three process levels of performance, which are intended to match the level of cost and intensity of effort for a range of types and sizes of facilities. An accompanying CD contains a report template and standardized forms, worksheets and checklists for use by the building in implementing the procedures.

For example, the three process levels of performance for energy are:

- The Basic Evaluation level reduces energy consumption and cost through the elimination of wasted energy and the improvement of system and equipment operation. Measurement focuses on energy bill analysis and a facility walk-through inspection (ASHRAE Level I energy audit) to identify obvious energy waste and low-cost or no-cost improvements; no additional measurement is conducted. This level does not require an outside specialist or professional.
- In Diagnostic Measurement, energy performance measurements include sub-metering of major end uses and specific components, along with the equivalent of an ASHRAE Level II energy audit. The audit task requires the use of physical measurement and instruments, augmented by calculations, by a person experienced in energy use and cost analysis measures. Energy efficiency measures having a simple payback of three to five years are identified.
- At the Advanced Analysis level, evaluation focuses in-depth on specific systems and equipment so as to determine the location and cause of energy use problems. The approach is to compare detailed interval data to self-reference benchmarks that indicate how the systems and equipment should be operating, in the specific application or operational context. The first step is to engage a consultant to identify which systems are to be monitored and how.

Other examples of performance measurement protocols are:

#### Water Assessment

An Advanced Analysis water assessment involves detailed water use readings and advanced usage analysis, normally employing a specialist or consultant. Sub-meters are used for cooling towers and boiler make-up water, process water, cleaning water and recycled and/or harvested rainwater. Recommendations for water use improvement are developed.

#### Thermal Comfort

Basic Evaluation activities for thermal comfort provide a non-specialist with tools for determining whether perceived thermal comfort is adequate or whether there are deficiencies that can be corrected without the need for physical measurements. Evaluation activities include occupant surveys and field observations gathered by building walk-throughs.

#### Indoor Air Quality

For Diagnostic Measurement, building data are gathered to identify the location and cause of problems, as they have been identified by occupant surveys or complaints; measurements are not conducted at this level. If IAQ problems are confirmed but cannot be remedied by simple measures, users are referred to the Advanced Analysis phase where an expert is retained to investigate. Outside air rates should be measured for each ventilation system. Room humidity, exhaust airflow direction and filter pressure drop are tested.

#### Lighting

At the Advanced Analysis level recommended activities require the services of a professional with lighting/daylighting expertise. Performance measurement consists of surveying the building occupants regarding satisfaction with lighting/daylighting and using the walk-through checklist in Appendix A. Issues related to lighting and control, daylighting methods and controls, visual activity, methods of measurement and energy use are addressed.



**Yorkland Controls**  
ENVIRONMENTAL SOLUTIONS

**Larry Gravelle**  
Tel: (613) 721-3301  
Fax: (613) 721-4906  
1-877-733-3833  
www.yorkland.net


**Honeywell** HVAC/BAS & Vulcan  
**BELIMO**  
**Johnson Controls** FACILITY EXPLORER  
**SIEMENS**  
**KMC** **GREYSTONE**

Yorkland Controls represents leading control systems and component manufacturers. Integrated solutions for Lighting, Card Access, CCTV and Building Automation.



**David Yin** P.Eng., LEED® AP  
Associate, Buildings Engineering  
Mechanical Engineer Lead

**Stantec Consulting**  
1505 Laperriere Avenue  
Ottawa, ON K1Z 7T1  
Tel: (613) 725-5573  
Cell: (613) 323-4964  
Fax: (613) 722-2799  
david.yin@stantec.com



**RODDERS CAS**

Building System Surveys / Design & Retrofit  
AutoCad System Design & Customization

**Roderic S. Potter** Principal

155 Pineridge Road  
88# 3 Corp, ON K0A 1L0  
tel 613.839.2257 / fax 613.839.3226

www.rodgers.com  
info@rodgers.com  
cell 613.266.2134

## Acoustics

Diagnostic Measurements are taken to diagnose the extent of dissatisfaction identified in the Basic Evaluation. Building operators without personnel skilled in sound level measurements should proceed to the Advanced Analysis level and seek outside professional services. Dissatisfaction related to background and intruding noise typically requires A-weighted, equivalent sound pressure level measurements.

The cost of "Performance Measurement Procedures for Commercial Buildings: Best Practices Guide" is \$99 (\$84 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](http://www.ashrae.org/bookstore).



## Membership Update...

### Adam Moons

Membership Committee Chair 2012-2013

Walmar Ventilation Products

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

Greetings Everyone!

As our formal ASHRAE season draws to a close, it is important that we give some thought to the continued growth of our chapter. The OVC has always provided quality content from both a technical and social standpoint. While your board of governors and executive work to plan for the next year, I would like to challenge you all to provide your thoughts and insights on ways to improve our chapter. I would also like to challenge you all to share your experiences of ASHRAE with colleagues and friends to help promote awareness and involvement.

Our chapter is strong, but there is always room for improvement. Let's all be a part of that!

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

Mr. Geoff Brown

Mr. Jordan Daniow

Mr. Dan Desormeaux

Mr. Bertrand Lelievre

Mr. Mohamed Al-Mqbali

Mr. Owen Kenny

Ms. Heather Knudsen

Mr. Prasenjit Pal

Mr. Michel Crepin

Mr. Jairo Torres

Mr. Jonathan Theriault

Mr. Mark Palitza Mr. Naji Berro

Adam Moons

Membership Chairperson / OVC



## ASHRAE OVC Curling 2013

### Chris Healey

Special Events Co-Chair 2012-2013

Walmar

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

As was previously reported, the 2013 Curling Bonspiel was a very successful event both for the participants and for the monies raised for charity. The event proceeds of \$1120.00 have been donated to the Ottawa Food Bank on the ASHRAE OVC membership's behalf.

Thanks to all of the participants for their support.





## Research Promotion

**Stephen Lynch**

Chapter President 2011-2012

Research Promotion Committee Chair 2012-2013

**HTS Engineering Ltd.**

E-mail: [stephen.lynch@htseng.com](mailto: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

There was not enough interest in the Baseball game and it has been cancelled.

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

Cell: 613-867-3882



**McKee**  
ENGINEERING

Jim Siciliano, P.Eng., LEED® AP  
Vice-President - Mechanical  
[Jim.Siciliano@mckeeottawa.ca](mailto:Jim.Siciliano@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 Ext: 27  
[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-Bohec, suite 101  
Blainville (Quebec) J7C 5E2



**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



## 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](mailto: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 April newsletter. Go to [ashrae.org](http://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 green 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 a "Member Area" dropdown with options: Join Now, Benefits, My Membership, Honors & Awards, Student Zone, Conferences, Distinguished Lecturer Program, Webcasts, and Young Engineers in ASHRAE. On the left side of the Member Area, there is a "Renew Membership" section with links for 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 focus on heating, ventilating, air conditioning, and refrigerating for a sustainable world.

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

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

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](#)

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

**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 >](#)

This will reveal a screen like this:

ashrae.bio@ashrae.org'."/>

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](#) [e](#)

[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](mailto:ashrae.bio@ashrae.org).

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

Happy updating!



## CTTC Awards

**Chris Fudge**

Governor 2012-2013

CTTC Committee Co-Chair 2012-2013

Master Group

E-mail: [cfudge@master.ca](mailto:cfudge@master.ca)

Hi All,

Technology Awards program recognizes, on an international scale, successful applications of innovative design, which incorporate ASHRAE standards for effective energy management, indoor air quality, and good mechanical design.

The purpose of the ASHRAE Technology Awards program is threefold:

- To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
- To communicate innovative systems design to other ASHRAE members
- To highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners

This year's winner in the category of New Construction Commercial Buildings, was Sébastien Laroche of Pageau Morel et associés inc. The project submitted was the new 480,000 ft<sup>2</sup>, Export Development Canada (EDC) head quarters in heart of downtown Ottawa. The project received LEED CS Gold certification in December 2012.

Mr. Laroche will be presented with his award at the Ottawa Valley Chapter meeting on May 21<sup>st</sup>. Please join us on May 21<sup>st</sup> to celebrate our fellow members' accomplishment.

Cheers!

**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 Iber Road  
Saltville, Ontario  
Canada, K2S 1E6

**Adam Beales**  
Principal

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

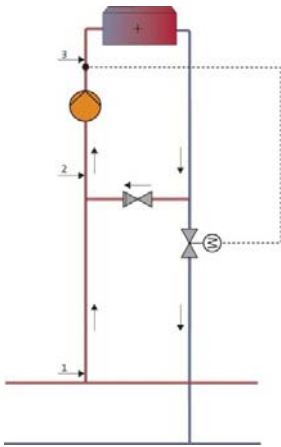
National Research Council Canada

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.

Featured table-top displays this month include:

### Grundfos – Small Pumps, Big Opportunity



Very small pumps, with integrated variable speed are not a new concept; in fact the first small variable speed circulator was built in 1962. But they are a newer concept to North America. Today, lower costs and a greater focus on green technology have opened the way for engineers to examine how they can demand more from their pumps.

Variable speed circulators with built in temperature sensors alleviate these problems. By monitoring the temperature in the return line, and operating at variable speed, the pump can slow down where suitable. If oversized, they will run at a slower speed and eliminate both energy consumption and pinhole problems.

Although many similar applications exist, the true advantage of smaller variable speed pumps comes in the engineer's ability to eliminate throttling valves. Any time a balancing valve is used in a building it wastes energy. In the past this was necessary to direct flow where it was needed. Today designers have the option of using small variable speed pumps and techniques such as injection or mixing loops. The benefits of Primary/Secondary pumping are well known in North America. With smaller variable speed pumps, these secondary loops now make sense even if they require very low flow rates.

An example of a mixing loop is shown below. The pump is self-sufficient with built in controls. On board sensors and serial communication capability allow connection to building automation so you can read the exact flow, temperature, pressure and power consumption of every zone in your system at any given instant, without needing to install costly sensors. You achieve better system control, with enhanced energy savings.

As the demand for greener buildings grows, owners and engineers are demanding more from their building equipment. Small variable speed pumps, previously ignored in North American design, are now helping engineers achieve their energy consumption goals, whether by reducing consumption in their existing design, or allowing them the freedom to eliminate throttling valves and maximize the efficiency of their system.

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**  
President

[chrish@longhill.ca](mailto:chrish@longhill.ca)  
Phone and cell option: 613-226-3856 ext. 24  
Fax: 613-226-2715  
111-15 Capella Court, Ottawa, Ontario K2E 7X1  
[www.longhill.ca](http://www.longhill.ca)

The Energy Conservation People

**Master**  
MECHANICAL 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

Committee  
Chair



## ASHRAE Golf Tournament – New Location!

**Andrew Douma**  
Special Events Co-Chair 2012-2013  
**Total HVAC**  
E-mail: [andrewd@totalhvac.com](mailto:andrewd@totalhvac.com)

Is your game rounding into form for the ASHRAE Golf Tournament?

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

As usual the ASHRAE Golf Tournament is a sell out as all available foursomes have been claimed, thank you very much to those who continue to support this tournament. A waiting list is currently being formed in case any spots suddenly open up, please contact us to have your name added to the waiting list.

While the golfing portion of the event is sold out, there are still opportunities to support the tournament through sponsorship for the low price of \$200. The 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 one of the beneficiaries of this tournament is ASHRAE Research and accordingly the more successful we are in this effort the more we will gain as a community

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

Sincerely, Your 2013 ASHRAE Golf Tournament Organizing Committee

Committee  
Chair



## Membership Update...

**Adam Moons**  
Membership Committee Chair 2012-2013  
**Walmar Ventilation Products**  
E-mail: [adam@walmar.net](mailto:adam@walmar.net)

Greetings Everyone!

The ASHRAE OVC will be hosting a wine tasting themed 'Wines of Italy'!!

DATE: Tuesday, May 28, 2013 TIME: 7:00PM LOCATION: Moxie's (Riverside and Hunt Club)

COST: \$50.00 Per Person

Wines to be presented are those available at higher end restaurants in Ottawa, and not available at the LCBO. They will consist of:

Prosecco, 2 whites and 2 reds

A food pairing to complement each wine will be provided. Moxie's will send further details on the wine and food selections as it becomes available.

Registration for this event is limited to 20 people, so it is bound to book up quickly. Please visit the Ottawa Valley Chapter website to register today! <https://ashraeottawa.simplesignup.ca/en/73/index.php?m=eventSummary>

Adam Moons, Membership Chairperson / OVC

**VAN FORT**  
ERIC VAN BENSCHOTEN  
35 LE ROY STREET, DAINLEIGH, QUEBEC  
CANADA J0V1G6  
514-246-1661  
514-246-6524  
vanfort@vanfort.ca

**Smith + Andersen**  
David Eastwood P.Eng.  
Principal  
613 2301186 ext. 403  
david.eastwood@smithandandersen.com  
1600 Carling Avenue Suite 530 Ottawa Ontario K1Z 1G3  
t 613 2301186 f 613 2302598 smithandandersen.com  
Ottawa Vancouver Toronto Edmonton Dubai Calgary

**WALMAR** www.walmar.net  
24 Gardwara Road  
Nepean, Ontario  
K2E 8B5  
**RANDY CAVILL, C.E.T.**  
President  
Tel: (613) 225-9774  
Fax: (613) 225-2972  
e-mail: [randy@walmar.net](mailto:randy@walmar.net)  
VENTILATION & FILTRATION PRODUCTS

# 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](http://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](mailto: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](mailto: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](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 resub-



## Business Card Ads

**Rod Lancefield**

Publicity Committee Chair 2012-2013

**HTS Engineering Ltd.**

E-mail: [rodl@htseng.com](mailto: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](mailto: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](http://www.ashrae.org/hvacdesign) to register