

Capital **ASHRAE** Ottawa Valley Chapter Communiqué

ASHRAE - AMERICAN SOCIETY OF

HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

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

2012 - 2013

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

Chapter Historian

Georges Maamari

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 February 19, 2012 (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: CTTC

PROGRAM: VAV Box Selection Procedures - Selecting VAV for Acceptable IAQ

SPEAKER: Daniel Int-Hout, III Chief Engineer, Krueger

OVERVIEW: In order to meet the increased expectations of building occupants, designers must be aware of the conflicts between cost economics, occupant productivity and life cycle costs. Buildings that do not meet the needs of the occupants often result in expensive redesign, or worse, result in lawsuits against all parties involved. Recent court cases make it imperative that designers understand the changing 'rules' of the road. Recent specifications for VAV components are often flawed, and meeting specifications will result in unacceptable spaces, and poor IAQ.

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

BIO: Mr. Dan Int-Hout, Chief Engineer, Krueger, is responsible for the presentation of technical data and advanced application engineering for the Grilles, Registers and Diffusers, as well as the VAV air terminals, produced by Krueger. Mr. Int-Hout originally joined Krueger in 1981, but has had several other jobs in the industry, in engineering, marketing and product research roles, with Owens Corning Fiberglas, Carrier, Titus and Environmental Technologies. Mr. Int-Hout has been in the air distribution research and design business since 1973, has a Masters degree in Business Management from Central Michigan University, and a Bachelors degree in Biology and Physics from Denison University.

Mr. Int-Hout has written over thirty technical papers and articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He was recently Chairman of both ASHRAE Technical and Standards Committees on Thermal Comfort, is a past Chairman of several other related ASHRAE Technical and Standards Committees, as well as ASHRAE Standards and Environmental Health Committees. He received the ASHRAE Distinguished Service Award in 1993. He is currently the Chairman of the ARI Committee on Applied Acoustics (885) and Chair of ISO 205 U.S. Panel on Thermal Comfort. He is presently a member of the ASHRAE Technical Activities Committee (TAC).

February Meeting Menu - Buffet

Assorted Rolls and Butter, Butternut Squash Bisque, Pork Tenderloin Medallions with Dijon Sauce Served with Roasted Potatoes and Seasonal Vegetables, Double Chocolate German Cake with Raspberry 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

Hello, everyone!

Our 60th Chapter year is now officially half over (4 meetings done, 4 meetings to go). It has been a busy year already with the CRC meeting in Ottawa, the 60th anniversary celebration in September, a successful YEA social event at the Mill Street Pub, and four well-attended Chapter meetings to date. As well as the annual Bowling event in November!

However, there is much more to come, including four great Chapter meetings, with two Distinguished Lecturers (DL's), seminars, a curling bonspiel on March 1st and a golf tournament in June. Plus a few surprises that your Chapter leaders are planning. I have been very fortunate to have a group of volunteers that have been very active this year.

Here are a few of the recent highlights:

One of the best things that have occurred at our Chapter meetings this year has been the number of students that have been attending. Their constant attendance has been the result of the efforts of the Chapter's Student Activities Committee. Please make sure that you sponsor a student meal as often as you can, so that the students can attend and participate in our future meetings.

There was a 'Green Energy and Architecture Networking Night' at Carleton University on January 16th for engineering and architectural students. Many of the students are part of the new Sustainable and Renewable Energy Engineering Program. This innovative program provides analytical and hands-on skills for designing, building, operating and enhancing sustainable energy systems that combine energy generation, distribution and utilization in an environmentally responsible and economically beneficial manner. More than one hundred students attended and practiced their networking skills. I was impressed with their enthusiasm and their interest in ASHRAE. I think that the future is bright with these students coming into our profession.

Our Past President, Stephen Lynch, discussed this year's Research Promotion campaign at the Chapter's January meeting. Stephen described the ASHRAE Research program in some detail, highlighting that the research monies raised in Canada are provided to researchers in Canada. Stephen and his Committee will be in touch with the members and our organizations to make the goal of \$25,000 for this year.

Our next meeting is on February 19th at the Travelodge. If it is the third Tuesday of the month, it must be ASHRAE night!

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
rsamhaber@ameresco.com | ameresco.ca
Ameresco Canada Inc.
106 Colonnade Rd N, Ste 200 | Ottawa, ON K2E 7L6

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 – January Meeting

Georges Maamari

Secretary 2012-2013

CTTC Committee Co-Chair 2012-2013

Wood Banani Bouthillette Parizeau

E-mail: Georges.Maamari@wbbengineering.com

The meeting took place at the Travelodge Ottawa Hotel and Conference Centre at 1376 Carling Ave., in Ottawa in the Main Ballroom. The meeting was called to order at 6:24pm, and attendees were seated for dinner.

The business session started with President Donald Weekes introducing the Board of Governors and Executive and Secretary Georges Maamari introduced the guest of the evening.

Stephen Lynch spoke about Research Promotion and how that relates back to the development of ASHRAE standards and guidelines. Stephen also presented a PowerPoint presentation, discussing the guiding principles of the research promotion campaign and the various industries served.

Jarett Pichler and Keegan Hardy from Carleton University introduced the new LinkedIn group for ASHRAE students. The various purposes include interconnecting various students on a professional level.

Student Erqin Zeng discussed the ASHRAE funded research project in her last study year. She designed a “mini course” for high school students that combines basic engineering concepts with hands-on experiments. When the students visit her university, she guides them through the course so that they can experience the fun of environmental engineering and also be encouraged to choose engineering as a major.

Donald Weekes also introduced the table top display of the evening; Viessman Boilers presented by Tom O’Grady from Distech.

A buffet style dinner was served by the Travelodge and was well received.

After dinner, the main program took place. Speaker Harald Prell’s topic was Heating Boilers – Changes in construction forces proper system design. Mr. Prell explained how various environmental energy supplies and climate protection standards are reshaping heating system designs to reduce energy consumptions. The driving forces include: system efficiency, operating cost, fuel conservation, and emissions. Mr. Prell also discussed how the development of burners from a diffusion flame to premix impacted the development of heat exchangers (from large mass to low mass). He also discussed how the evolution of boiler burners was greatly driven by the need to reduce NOx and CO emissions. Mr. Prell also discussed the various AFUE parameters that need to be incorporated into boilers in order to obtain certifications.

After the presentation, Donald Weekes thanked Mr. Prell for his presentation. The meeting was adjourned at 8:44pm.



OVC president Donald Weekes



Research Promotion chair Stephen Lynch

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

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
sriffault@regular.com

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



Carleton U students Jarett Pichler and Keegan Hardy



Student Erqin Zeng with Carleton U Professor Liam O'Brien



Viessmann Boiler Table Top



Great attendance



Program Speaker Harald Prell



Donald Weekes thanking Harald Prell

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
 1500 STAR TOP ROAD, OTTAWA, ONTARIO K1B 3W6
 Tel: 613-741-7731 Fax: 613-741-9962
 cell: 613-880-8504
 danny@diffo.com
 Danny Dillon, OSC
 President

WOOD BANANI PARIZADEH
 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
 patrick.stonge@WBPEngineering.com



News Update

Daniel Redmond

Governor 2012-2013

CRC Program Committee Chair 2012-2013

Smith & Andersen

E-mail: daniel.redmond@smithandandersen.com

ASHRAE PUBLISHES REVISED FILTRATION STANDARD; COMBINES STANDARD 52.1 AND 52.2

ATLANTA – A newly revised filtration standard from ASHRAE combines two standards setting the path to improve the technical accuracy of filter testing.

ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, establishes a test procedure for evaluating the performance of air-cleaning devices as a function of particle size. The publication marks the first time Standard 52.2 has been published combining Standard 52.1, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter.

“Combining the two standards provides a clean slate to begin significant changes regarding making the method much more technically accurate,” Robert Burkhead, chair of the Standard 52.2 committee, said. “Specifically, we have plans in motion to change the MERV (minimum efficiency reporting value) table ranges, narrow the ambient conditions allowed and further refine the instrumentation specifications – all in an effort to reduce the variability of the data product from the standard.”

Standard 52.2 now incorporates the Standard 52.1 sections on arrestance and dust-holding capacity; and also adds a new informative appendix, Appendix J, that provides an optional method of conditioning a filter using fine potassium chloride particles to demonstrate efficiency loss that might be realized in field applications.

The standard addresses three air-cleaner performance characteristics of importance to users: the ability of the device to remove particles from the airstream, the total dust holding capacity with arrestance (weight efficiency) and its resistance to airflow, according to Burkhead.

The cost of ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, 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 678-539-2129, or visit www.ashrae.org/bookstore.

ASHRAE SEEKS INPUT ON REVISIONS TO DATA CENTERS IN 90.1 ENERGY STANDARD SCOPE

ATLANTA – Addendum cs to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, is open for advisory public review from Jan. 4-Feb. 3, 2013. The addendum proposes changes to definitions for computer rooms and data centers in Standard 90.1 to create a distinction between facilities covered by 90.1 and those which are intended to be under the scope of ASHRAE Standard 90.4P, Energy Standard for Data Centers and Telecommunications Buildings, proposed by ASHRAE in late 2012

The definition proposed for computer rooms more closely aligns with ASHRAE Standard 100, Energy Efficiency in Existing Buildings, and the U.S. Energy Information Administration’s Commercial Building Energy Consumption Survey (CBECS). In addition, the definition is consistent with Uptime Institutes’ “Tier Standard: Topology” and the Telecommunications Industry Association ANSI/TIA-942 class rating for low-risk Tier I data centers. High risk data centers such as those designed as Tier II or greater per ANSI/TIA-942 or ones with mechanical cooling system redundancy are expected to be covered by the 90.4P standard now under development. .



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

Rod Lancefield, P.Eng., LEED® AP
Engineering Sales
rod@htseng.com
C 613 851 1997

HTS Ottawa
1646 Woodward Dr.
Ottawa, Ontario K2C 3R8
T 613 728 7400 Ext. 221
F 613 728 8032
Toll Free 888 288 8544
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
www.inairenvironmental.ca

Mould & Flood Remediation
Drinking Water Testing
Training Courses
IAQ Surveys



Steve Skalko, chair of the Standard 90.1 committee, said with the development of Standard 90.4P feedback is needed from the industry to clarify the scope and definitions of each standard. Energy conservation requirements for high risk data centers, initially covered by Standard 90.1-2010, are expected to be detailed in the 90.4P standard. Computer rooms, which can include low-risk data centers, would remain under the scope of Standard 90.1.

“The costs and approaches used in determining appropriate HVAC applications used to achieve energy efficiency are different,” he said.

Computer rooms, which by the proposed definitions include low-risk data centers, are usually associated with electronic equipment spaces that are not considered risks and therefore money is typically not spent to install levels of component and systems redundancies. Computer rooms may be ancillary functions and add loads in a larger building and often are served from the same central cooling plants.

Computer rooms are designed to provide local data processing and information storage for in-house end users and clients, which the owner has deemed very low risk. Risk choices are made to reduce total life cycle costs associated with not only system selection and operation, but potential failures, business interruptions, continuity plans and overall company specific business model features like staffing requirements, according to Skalko.

By comparison, data centers designed as Tier II or greater per ANSI/TIA942 or ones with mechanical cooling system redundancy carry more risk, he said. Industry studies indicate downtime associated with such risk can cost tens of thousands of dollars a minute, with the potential to negate both past energy savings and future business viability in a single act. The demand for data centers has grown, as the electronic equipment needs have evolved with the huge demand for data processing services and storage in the age of digital devices.

A data center has the function to support the electronic equipment that commonly provides services to outside or external clients, hence the heightened awareness of risk and risk mitigation approaches employed. Data centers can support everything from an individual enterprise all the way to hosting services on the internet and must provide maximum operational run time on a 24-7 basis. These facilities are built with multiple levels of component redundancy, providing at least an N+1 mechanical cooling capacity redundancy, if not greater, as well as operational resiliency (increased staffing hours and expertise), Skalko said.

To comment or to learn more, visit www.ashrae.org/publicreviews.



Membership Update...

Adam Moons

Membership Committee Chair 2012-2013

Walmart Ventilation Products

E-mail: adam@walmart.net

Greetings Everyone!

Stephen Lynch and I will be continuing the lunch and learn series as we move ahead in the year. Alterations and improvements are being made to make this a presentation that clearly explains the benefits of ASHRAE involvement, as well as our responsibilities as members of the HVAC/R community. Please feel free to contact me if you feel that there might be interest within your organization, or if you have information that you would like included in the presentation.

While we have a strong chapter and have been showing great attendance at our monthly meetings, there is always room for growth!

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

Mr. Chris Brown

Mr. Jon Dilworth

Mr. Tyler Crawford

Adam Moons, Membership Chairperson / OVC

Yorkland Controls
ENVIRONMENTAL SOLUTIONS

Honeywell
HVAC/BAS & Vulcan

BELIMO

Johnson Controls

EXPLORER

SIEMENS

KMC

GREYSTONE

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

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



Student Activities

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

This month we are continuing to work towards achieving our goal of setting up student chapters and starting libraries containing ASHRAE standards & books at Algonquin College, University of Ottawa & Carleton University. We had a great student turn out again at the last monthly meeting and we hope this trend will continue.

This year's career fair has been set for Tuesday March 19th at the Travelodge Ottawa Hotel & Conference Centre. It will begin at 3:00pm in the same room as the monthly chapter meeting. The cost to set up a booth is \$200.00. For other ways to get involved and for more detailed information on this event, please see the career fair section of this communiqué.

If you would like to participate in the career fair or if you have any other questions please don't hesitate to contact me.

Best Regards,

Richard Cameron, Student Activities Chair

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>



Boiler Seminar Wrap-up

Patrick Albert
Governor 2012-2013
Larmex Mechanical

The ASHRAE OVC chapter hosted a boiler design seminar on January 16th 2013. We had invited two speakers with extensive related experience for this seminar.

Mark Norris lecture had duration of 4 hour in the morning on Boiler room Concepts. In this intensive wealth of information, Mark discussed the properties of combustions in boilers and moved on to discuss how to archive the maximum combustion and thermal efficiencies. He demonstrated multiple piping strategies to get the maximum performance out of the boilers. The key message that was repeated was to reduce your return water temperature as much as possible to make your condensing application as efficient as possible.

Robert Waters finished the afternoon portion of the seminar discussing Green Heating Technologies for heating systems. Starting with the solar design for heating systems with information on key points to look for in you solar design, he then went on to sizing a

Doug Graham
Regional Manager

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

27 Ibor Road
Siltville, 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
Web: 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
www.trane.com

solar system for heating. The key to a solar design is to make sure that there is enough heat dissipation in the summer that you have designed for in the winter. After this impressive presentation of solar energy, the topic of biomass boiler and alternative fuel sources was covered to show where the industries in other parts of the world have already started and could possibly come our way.

I would like to thank all the participants for attending this event and I would like to thank Mark Norris and Robert Waters of Viessmann Manufacturing for taking the time to come to Ottawa and giving us this great seminar

Thank you!

Patrick Albert

ASHRAE OVC Governor

President &
CRC Delegate



Chilled Water Seminar— March 19, 2013

Donald Weekes
Chapter President 2012-2013
Publicity Committee Co-Chair 2012-2013
InAir Environmental
E-mail: don.weekes@inairenvironmental.ca

On the morning of March 19th, 2013, Professor William Bahnfleth, ASHRAE Society's President-Elect, will be conducting a half-day seminar on Chilled Water Systems. Information on registration will soon be available on the Chapter's website (<http://www.ashrae.ottawa.on.ca/>).

This seminar will provide a comprehensive introduction to chilled water systems that provide cooling as a utility to multiple facilities from a central chilled water plant via a distribution piping system. The seminar will also discuss the potential advantages of large chilled systems over other building cooling alternatives, as well as system characteristics including plant and distribution systems, and user connections. The optimization of chilled water systems using thermal storage and integration with combined heat and power production systems will be examined. Participants will obtain a clear understanding of both the similarities and differences between large chilled water systems used in district cooling and individual building cooling systems, and they will have an appreciation for how large chilled water systems can, in the right circumstances, support economic, environmental and sustainability goals.

Professor Bahnfleth is a professor of Architectural Engineering at the Pennsylvania State University (Penn State). He is also the Director of Penn State's Indoor Environment Center. Bill is the President-Elect of ASHRAE Society.

Please make plans to join Professor Bahnfleth for this exciting and interesting seminar on the morning of March 19th, 2013.

Committee
Chair



YEA Update

Trudy Lucas

YEA Committee Chair 2012-2013

InAir Environmental

E-mail: trudy.lucas@inairenvironmental.ca

First Official OVC-YEA Night!

We hosted our first official YEA Night on January 9th, 2013 with a tour of our local Mill Street Craft Brewery. Attendance was excellent with 22 attendees out of 30 who registered (73% turn out). This event was an excellent way to network with fellow ASHRAE members and to chat with some of Carleton University's ASHRAE Student Chapter members. We are planning our next event for this spring.

There will be the ASHRAE-OVC annual Curling tournament. I am hoping to have a team of YEA for this event. Let me know if you are interested.

Trudy Lucas

Committee
Chair



ASHRAE OVC Curling 2013

Chris Healey

Special Events Co-Chair 2012-2013

Walmart

E-mail: chris@walmart.net

2013 ASHRAE OVC Curling Bonspiel

Friday March 1, 2013 at the Nepean Sportsplex

Curling (3 games of 4 ends) starting at 1:00 followed by dinner at 6:00 pm

Please book in teams of 4: \$ 360.00 per team

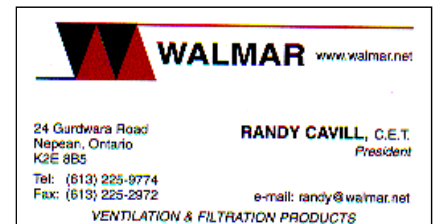
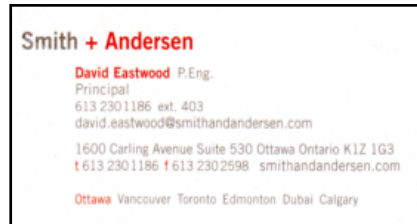
Registration is from 12:00 to 12:45 at Spectators Bar & Grille at the Curling Rink

Team booking and Payment can be made online (preferably) or by contacting me:

Chris Healey by phone (613-225-9774) or email: chris@walmart.net

Thanks

Chris





ASHRAE® Ottawa Valley Chapter



AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

Is looking for booth sponsors for:

CAREER FAIR '13

Tuesday March 19th, 2013

at

Travelodge Ottawa Hotel and Conference Centre
1376 Carling Avenue

1. Affordable Booths - \$200.00 (cash, cheque, money order payable to ASHRAE – OVC or Credit card) see information below for what is included.
2. If you would prefer to just have your company logo in the program guide as advertisement along with other ASHRAE supporters, this is available for \$100.00.
3. Schools that are being canvassed; University of Ottawa, Carleton University and Algonquin College.

Booth Information:

- Booth Size 10' x 8' (Approximately 24 available)
- 120 VAC Available (bring your own extension cords and power bars)
- Tables, Skirts, and Chairs Provided
- Contact Richard Cameron for any special requirements (r.cameron@gwal.com 613-727-5111 x 314)
- Invoices will be sent out upon RSVP

Schedule:

- **14:30 – 15:00** - Access and Set-up
- **15:00 – 17:30** – Career Fair
- Clean-up after monthly chapter meeting.

Please RSVP by February 22nd 2013 to Richard Cameron:

By Phone: 613-727-5111 x 314
By Email: r.cameron@gwal.com

Company: _____
Contact: _____

I am interested in:

- Booth
- Logo in program guide only

Committee
Chair



Table-Top Displays

Abbey Saunders

Governor 2012-2013

Table Top Display Committee Chair 2012-2013

National Research Council Canada

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

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

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

April 16, 2013

May 21, 2013

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

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

Committee
Chair



Upcoming March Tour

Abbey Saunders

Governor 2012-2013

Table Top Display Committee Chair 2012-2013

National Research Council Canada

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

Have you ever wondered where some of the ASHRAE Research funding goes? How about what goes on at the National Research Council? Well, if you have, you are in luck. During the upcoming March tour you will have an opportunity to see firsthand ASHRAE Research funding at work, as well as get a glimpse at some of the research facilities within NRC's Construction Program which are related to ASHRAE.

The tour is anticipated to include visits to the following lab facilities: Structures, Indoor Environment, CCHT Houses, Indoor Air Research, Reverberation & Anechoic Chambers, Wall Floor and Column Furnaces in Fire Research, Floor Sound Transmission, Flanking Facility, Ventilation and Wall Research, and the ASHRAE Test Rig.

Tour Date: Wed., Mar. 20, 2012

Time: 9:30am - Noon

Location: NRC Montreal Road Campus

Additional information to follow in the coming days so watch for emails and registration details as tour participation is limited to 15 individuals.

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

Longhill Energy

Chris Harrison
Engineered Sales

chrish@longhill.ca
www.longhill.ca
Phone: 613-226-3856
Fax: 613-226-2715
15 - 111 Capella Court, Ottawa, Ontario K2E 7X1

The Energy Conservation People

Master
MECHANICAL REFRIGERATION
VENTILATION HEATING

CHRISTOPHER FUDGE P.Eng.
LEED® AP
Commercial & Industrial Sales Engineer
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 Sponsorship

Richard Cameron

Student Activities Chair 2012-2013

Goodkey, Weedmark & Associates Limited

E-mail: r.cameron@gwal.com

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

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

This Year's Meal Sponsors:

- Paul Baker
- Chris Harrison
- Michael Swayne
- Patrick Swayne
- Glenn MacLean
- Aaron Dobson

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

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

This Year's Student Competition Volunteers:

- Barry Riddell
- Chris Frauley

Thank you all for your support!

Best Regards,

Richard Cameron

Student Activities Chair

MCKEE
ENGINEERING

Jim Sciliano, P.Eng. LEED® AP
Vice-President - Mechanical
Jim.Sciliano@mckeecottawa.ca

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

METHOT
THE HEATING SPECIALIST

Michael McNamara, P. Eng.
President
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 (Québec) J7C 5E2

www.methot.ca

NORR
ARCHITECTS ENGINEERS PLANNERS

Mike Swayne
P. Eng.
Manager, Mechanical & Electrical Engineering
T 613 759 5354
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

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

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

Walmart Ventilation Products is currently looking to hire a Sales Consultant. This position requires the skills to sell HVAC equipment to the commercial and industrial market. We offer a high-energy and supportive team environment and are looking for someone to join us and grow our sales force in the Eastern Ontario Market.

Responsibilities include:

- Develop and maintain customer relationships
- Record and keep up-to-date all data in our CRM database
- Meet or exceed sales quotas and sales call targets
- Prepare and submit quotations
- Provide technical assistance to all customers and potential customers
- Perform building surveys

Qualifications required:

- Must be Bilingual
- Outstanding communication skills
- Be able to prioritize and work independently
- Be able to work effectively in a team environment
- Detail-Oriented
- Experience in HVAC would be preferred

To apply for the above position, please email your resume to:

Christine Kemp, VP of Sales

christine@walmart.net

X-L-AIR



ENERGY SERVICES Ltd.

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

We are seeking the following individual:

SENIOR MECHANICAL ESTIMATOR

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

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



Advertising

Steve Moons

Treasurer 2012-2013

Financial Committee Chair 2012-2013

Special Events Committee Co-Chair 2012-2013

Total HVAC

E-mail: stevem@totalhvac.com

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

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

Rates for career opportunities ads are as follows:

Chapter Member: \$50/month

Non-member: \$250/month

PLACEMENT OF AN AD

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

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

Steve Moons

E-mail: stevem@totalhvac.com

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



Business Card Ads

Rod Lancefield

Publicity Committee Chair 2012-2013

HTS Engineering Ltd.

E-mail: rodl@htseng.com

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

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



Your card here!



HVAC Design Training

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

HVAC Design: Level I - Essentials

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

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

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



HVAC Design: Level II - Applications

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

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

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

Visit www.ashrae.org/hvacdesign to register