

Capital **ASHRAE** Ottawa Valley Communiqué Chapter

ASHRAE - AMERICAN SOCIETY OF

HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

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

2012 - 2013

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DATE: **Tuesday March 19, 2012** (Career Fair: 15:00, 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: **Student**

PROGRAM: **Cool Energy Thermal Storage in the Era of Sustainability**

SPEAKER: **William P. Bahnfleth, Ph.D, P.E.** (*ASHRAE Society President-Elect / Distinguished Lecturer*)

OVERVIEW: During the 1980s and 1990s, cool thermal energy storage (TES) was a key technology in US utility demand-side management (DSM) programs. Interest in TES declined steeply as incentives disappeared during utility deregulation. Today, the focus of design has shifted from energy cost savings toward sustainability and it is reasonable to ask whether TES has anything to offer in this environment. This presentation will review the essentials of cool thermal energy storage and examine its relevance to sustainable design. Specific issues examined will include the impact of TES on site and source energy consumption, the economic case for TES without the incentives of the DSM era and the role of TES in achieving net zero energy buildings and communities.

BIO: William Bahnfleth is Professor and Director of the Indoor Environment Center in the Department of Architectural Engineering at the Pennsylvania State University (Penn State) in University Park, PA, where he has been employed since 1994. Previously, he was a Senior Consultant for ZBA, Inc. in Cincinnati, OH and a Principal Investigator at the U.S. Army Construction Engineering Research Laboratory in Champaign, IL.

Dr. Bahnfleth teaches undergraduate courses in HVAC fundamentals and controls and graduate courses in chilled water systems, hot water and steam systems, and indoor air quality. His research interests cover a wide variety of indoor environmental control topics, including chilled water pumping systems, stratified thermal energy storage, protection of building occupants from indoor bioaerosol releases, ultraviolet germicidal irradiation systems, and others.

Dr. Bahnfleth is a fellow of both ASHRAE and the American Society of Mechanical Engineers (ASME) and is also a member of the International Society for Indoor Air Quality and Climate (ISIAQ), the International Building Performance Simulation Association (IBPSA), Sigma Xi, the American Society for Engineering Education (ASEE), and the Society of Building Science Educators (SBSE).

March Meeting Menu - Buffet

Assorted Rolls and Butter, Traditional Caesar Salad with Parmesan Shavings, Tri-Coloured Rotini, Bell Peppers, Red Onion, Black Olives and Fresh Oregano, Grilled Vegetable and Feta Salad, 3-Cheese Lasagna with Homemade Meat Sauce and Grilled Vegetables, Salmon Filet with Lemon Dill Cream Sauce, Served with Roasted Potatoes and Seasonal Vegetables, Assorted Dessert Squares, Coffee/Tea

Chapter Members: \$40.00, Guests: \$50.00



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!

As the winter begins to wind down, we head into the final stretch of the ASHRAE Ottawa Valley Chapter year. This month is a very busy month, starting with the curling bonspiel on March 1st, and continuing with a very busy two days (March 19th and 20th) with a half-day morning seminar on district heating and cooling, an afternoon Student Career Fair, and an evening Chapter meeting on the 19th. Please register online at the website to participate in these events.

On March 20th, there is a free technical tour of the NRC facility. However, it is noted that there are only fifteen spaces available on the tour, so register early. All info and registration for these events can be found on the ASHRAE OVC website (<http://www.ashrae.ottawa.on.ca/>). Please register online for these events as soon as possible!

This time of the year always is busy here in Ottawa because of the conclusion of the federal government budget year at the end of March, otherwise known as 'March Madness'. Every year, there are a number of last-minute projects that have to be completed by March 31st for various federal agencies. I find the process interesting, particularly since the projects for the most part are ones that have been around for some time, and they could just as easily be done in April as in March. But that is not how the federal procurement process works, so many of us participate in this annual frenzy. There will be many of our fellow ASHRAE members who will be working long hours to make sure that the March 31st deadline is met for these projects.

At the end of January, 2013, I was fortunate to attend the ASHRAE Winter Meeting in Dallas, Texas. The array of presentations at the meeting was excellent, and there were plenty of opportunities to meet colleagues from around the world. In addition, the AHR Expo that is conducted at the same time as the Winter Meeting is huge with companies offering new products and services. If you can and particularly if you have not been to one, I do recommend attendance at future ASHRAE Winter Meetings. It was a great experience!

At the March meeting, Bob Kilpatrick, Chair of the Nominating Committee, will be announcing that the Committee is interested in hearing from the members about nominations for the Executive Committee (Secretary) and the Board of Governors. Please contact Bob or other members of the Nominating Committee if you are interested or if you know of someone who would be interested in serving the Chapter at this level.

Our next meeting is on March 19th at the Travelodge. President-Elect Bill Bahnfleth will be our speaker on Thermal Storage. If it is the third Tuesday of the month, it must be ASHRAE night!

Donald Weekes

Chapter President 2012-2013

ROY SAMHABER, P. ENG.
senior project manager

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What You Missed – February Meeting

Georges Maamari

Secretary 2012-2013

CTTC Committee Co-Chair 2012-2013

Wood Banani Bouthillette Parizeau

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The meeting took place at the Travelodge Ottawa Hotel and Conference Centre at 1376 Carling Avenue, in Ottawa in the Main Ballroom. Although attendance was down due to poor weather and driving conditions, 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 and Secretary Georges Maamari introduced the evening guests.

Adam Moons welcomed new members for the month; Mr. Chris Brown, Mr. Jon Dilworth, and Mr. Tyler Crawford.

Donald Weekes also introduced the table top display of the evening: Carel Humidification Products presented by Steve Moons from Total HVAC.

Georges Maamari then briefly discussed the theme of the meeting CTTC. He presented the upcoming society courses that are available online. He also discussed the upcoming chapter technology awards that are to take place at the end of March.

Other miscellaneous announcements for the evening included details regarding the following upcoming events:

- March 1 Curling Bonspiel by Chris Healey;
- March 19 District Cooling Seminar by Donald Weekes;
- March 19 Career Fair by Patrick Albert and Richard Cameron and;
- March 20 NRC Technical Tour by Donald Weekes.

A plated dinner of pork tenderloin, fresh vegetables and roasted potatoes was served by the Travelodge and well received by attendees.

Prior to the main program commencement Stephen Lynch announced the winner of the ASHRAE Research 50-50 Draw, Lan Chi Nguyen Weekes. A total of \$137 was raised in support of ASHRAE Research.

After dinner, the main program event took place, speaker Dan Int-Hout III presentation topic was VAV Box Selection Procedures – Selecting for Acceptable IAQ. Mr. Int-Hout started off the presentation with the statement that in order to understand how to solve thermal comfort issues and meet occupant requirements with VAV systems we first need to understand the problem, which is to understand building loads. Mr. Int-Hout also discussed that although it has been proven that building loads are decreasing overtime in general engineers are still using assumptions from 20 years when selection components for VAV systems.

Mr. In-Hout identified the main complaints by occupants and building operators that designers should be cognizant of as: spaces are too cold, office acoustics are poor, energy bills for building are high and productivity decreases due to absenteeism.

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Account Executive

In selection of an optimal VAV system, Mr. Int-Hout addressed the following aspects for consideration:

- Rules of thumb are highly overestimated.
- The cost of comfort – in certain instances simply moving a thermostat can save 5% heating and cooling costs for a building.
- Properly adjust and spaced air outlets have a significant impact on occupant thermal comfort.
- Design for low load interior zones – in general the majority of cooling load for interior spaces is simply the ventilation load.
- Make overhead heating work – throw towards and away from the glass and pay attention to parameters for effective mixing.
- Control acoustics – clearly state noise criteria in specifications.

In summary, Mr. Int-Hout discussed that to ensure occupant comfort and appropriate selection of VAV systems LEED, ADPI, reheat performance in terms of discharge temperatures and velocities, use of software to assist with selection of the best mixture of products for each application, attention to codes and rules as they are dynamic, and validation of energy calculations are necessary.

Following the presentation, Donald Weekes thanked Mr. Int-Hout for his presentation, and the meeting was adjourned at approximately 8:45pm.



February Meeting at the Travelodge



Carel Table Top Display by Total HVAC



President Donald Weekes welcoming guests



Student chair Richard Cameron and Patrick Albert



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Program topic: What a room load!



Donald Weekes thanking Dan Int Hout III

Governor



News Update

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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.

“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.”



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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 continuously evaluating and improving the performance of commercial buildings throughout their service life.

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.



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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.

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.



Membership Update...

Adam Moons

Membership Committee Chair 2012-2013

Walmar Ventilation Products

E-mail: adam@walmar.net

Greetings Everyone!

We have a wonderful Chapter. Our meeting attendance has risen over the last few years. Our assigned numbers and active Chapter numbers are both strong. So what do we need to do, you ask? Build and retain. This is not a desperate cry for support, but rather a notice that we have a lot to offer. For all the companies that have young employees or those new to the industry, ASHRAE is a valuable resource. The OVC has a great number of opportunities to expand and develop the minds of those in our industry. Tech sessions, seminars, workshops, tours... These can all help to develop the skills of your workers. It has been said so many times that training a new hire is difficult because of the time it takes away from your responsibilities. Why not let the involvement in ASHRAE assume some of that burden? It is a community that is built on the sharing of information and experience. New members can help us build that community, and supporting their involvement can help you retain valuable employees.

Please feel free to let me know if you would like me to offer more information to your office.

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

Mr. Peter Schonherr

Mr. Mvuala Suami

Mr. Michel Fontaine

Miss Martine Bergeron

Adam Moons

Membership Chairperson / OVC



CTTC Awards

Chris Fudge

Governor 2012-2013

CTTC Committee Co-Chair 2012-2013

Master Group

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Hi Everyone!

Last year the members of the Ottawa Valley Chapter stepped up big time in regards to the Technology Awards program. Many of the submissions that won at the chapter level continued on to the regional level and were successful there as well! I would like to remind you the deadline for submitting Technology Awards applications is March 31st.

The ASHRAE 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.

The building in questions should be in operation for a period of about 9 months. There are six categories to which applications may be submitted:

- I. Commercial Buildings (New and Existing)
- II. Institutional Buildings (New and Existing)
 - Educational Facilities
 - Other Institutional
- III. Health Care Facilities (New and Existing)
- IV. Industrial Facilities or Processes (New and Existing)
- V. Public Assembly Facilities (New and Existing)
- VI. Residential (New and Existing)

Chapter level submissions must be submitted electronically directly to me at cfudge@master.ca. For chapter level submissions only the short form need be completed. The short form is located towards the bottom of the Technology Awards section of the ASHRAE web site. The ASHRAE website also has plenty of helpful information to guide you through the application process. The technology awards section of the ASHRAE website is located at;

<https://www.ashrae.org/membership--conferences/honors--awards/technology-awards-program>

If you have any questions during the application process you may contact me or any of the BOG members. The CTTC committee is looking for judges to help review applications at the chapter level. If you are interested in volunteering for this worthy endeavor please contact me!

Chris Fudge, P.Eng. LEED AP

Tel: 613 829-2816 / email: cfudge@master.ca



Research Promotion

Stephen Lynch
Chapter President 2011-2012
Research Promotion Committee Chair 2012-2013
HTS Engineering Ltd.
E-mail: stephen.lynch@htseng.com

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

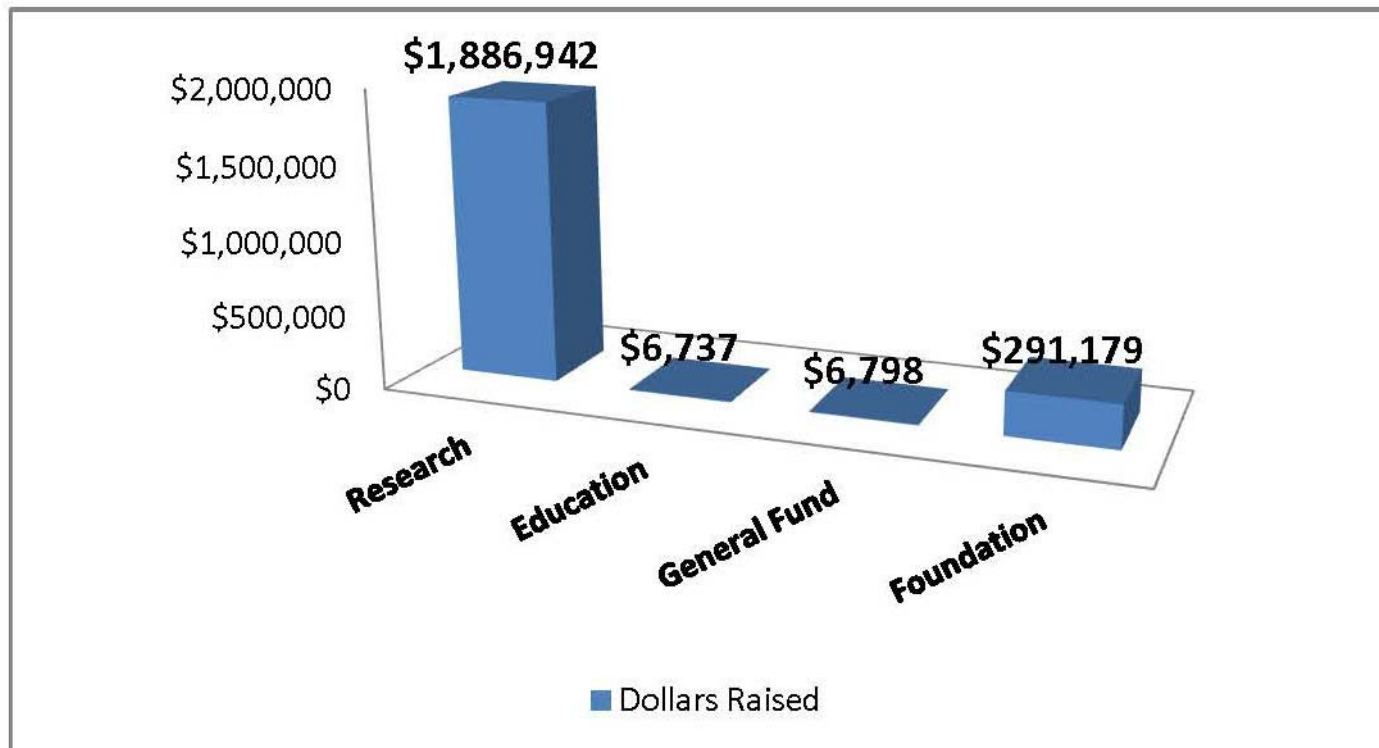
- Research
 - Education (ASHRAE Learning Institute)
 - ASHRAE Foundation
 - Research Endowed Funds
 - General Fund
- Contributions support special Board approved projects and programs

I would like to thank everyone who participated in the 50/50 draw during February’s meeting. We raised \$135.00 for ASHRAE Research. Also to all those who participated in the 50/50 at the Curling Bonspiel where we raised \$210.00 for ASHRAE Research.

Special Mention:

Lan Chi Nguyen Weekes donated her winnings of \$135.00 from the February meeting’s 50/50 back to ASHRAE Research: Thank you Lan Chi.
Andrew Douma donated his winnings of \$215.00 from the Curling Bonspiel 50/50 back to ASHRAE Research: Thank you Andrew.

The following chart is a break down on how the over \$2,000,000 in donations was used last year:



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



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



2013-2014 Roster

Rod Potter

President-Elect 2012-2013

PAOE Committee Chair 2012-2013

Roster Committee Chair 2012-2013

Webmaster 2012-2013

Rodders CAS

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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 Mothership 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.

We might remind you again closer to the print date. Or not...

Doug Graham
Regional Manager

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District Chilled Water and Heating Systems 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 District Chilled Water and Heating Systems. Information on registration is available on the Chapter's website (<http://www.ashrae.ottawa.on.ca/>).

This seminar will provide a comprehensive introduction to district chilled water and heating systems that provide cooling and heating as a utility to multiple facilities from a central plant via a distribution piping system. The seminar will also discuss the potential advantages of large centralized systems over other building cooling and heating 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 centralized systems used in district heating and cooling and individual building systems, and they will have an appreciation for how large centralized heating and cooling 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.



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

Featured table-top displays you missed at the February meeting:

Carel Humidification Products

Carel offers a full line of commercial and industrial humidification products. Steam humidifiers including electrode, electric, gas, direct steam, steam-to-steam, and short absorption are available, and air-water atomizing and pressurized water systems are available for larger humidification loads. Carel offers a wealth of experience in designing complex humidification systems, and specializes in control integration. Please call Total HVAC with any questions or for design help.

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



ASHRAE Golf Tournament – New Location!

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

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

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

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

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

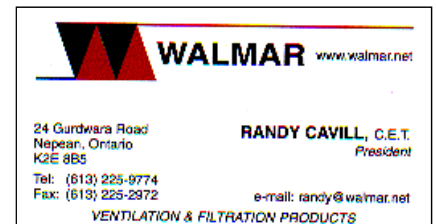
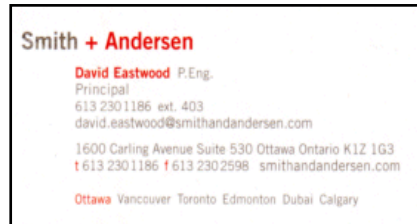
Full tournament details will be sent directly to all of last year's Registered Participants. Spots for returning teams will be held until April 19th, 2013, after which time the field will be opened up to new teams. Registrations will only be confirmed upon return of the completed Registration form and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

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

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

Sincerely,

Your 2013 ASHRAE Golf Tournament Organizing Committee





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



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, 2013

Time: 9:30am - Noon

Location: Building M-20 of the 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.

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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 this past month; your generosity is greatly appreciated.

Last Month's Meal Sponsors:

- Aaron Dobson
- Michael Swayne
- Catherine Godin
- Craig Andrews
- Robert Kilpatrick

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

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

This Year's Student Competition Volunteers:

- Barry Riddell
- Chris Frauley
- Joe Della Valle

Thank you all for your support!

Best Regards,

Richard Cameron

Student Activities Chair



X-L-AIR

ENERGY SERVICES Ltd.



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

We are seeking the following individual:

SENIOR MECHANICAL ESTIMATOR

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

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



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