



Ottawa Valley Chapter

DATE: **Tuesday September 17, 2013**
(Tech Session: 17:00, Social: 17:30,
Dinner: 18:30, Program: 20:00)
Mill Street Brew Pub – 555 Wellington Street, Ottawa
Brewmaster's Room, 2nd Floor

THEME: History

PROGRAM: **An NRC study about the occupant's experience of green buildings**



Speaker
Guy Newsham

SPEAKER BIO: Dr. Guy Newsham, Principal Research Officer (NRC)

Dr. Newsham completed his Ph.D. in Architectural Science at Cambridge University in 1990, and joined NRC soon after. He became group leader of the Lighting Sub-Program in 1999, and became a principal research officer in 2011. Dr. Newsham has led and supported research projects for private and public sector clients on office space design, post-occupancy performance of green buildings, lighting quality and control, sensor networks in buildings, demand-responsive buildings, office equipment energy use, and thermal comfort. He has more than 100 publications related to his research work, which have received numerous international awards. Dr. Newsham is a co-author of the new IESNA/ANSI Recommended Practice for Office Lighting (RP1).

OVERVIEW:

The National Research Council (NRC) conducted a post-occupancy evaluation of 12 green and 12 conventional office buildings. Occupants completed a detailed questionnaire, and conducted detailed on-site physical measurements. Dr. Newsham will present the results of this study along with a re-analysis of energy usage data from 100 LEED-certified commercial and institutional buildings.

TECH SESSION:

At the September, 2013 Chapter meeting, **Ms. Lan Chi Nguyen Weekes, P.Eng., ing., LEED BD+C, a Partner at InAIR Environmental, Ltd.,** will present a technical session on **'Indoor Air Quality Measurements and Programs During and After Construction'**. The tech session will provide attendees with information about the LEED credits for an IAQ construction plan (EQ 3.1) and for IAQ sampling (EQ 3.2). Lan Chi will detail the methods and techniques that can be used to help ensure that a building can earn these important credits.

September Meeting Menu

Attendees will have a choice of 3 main courses

If you are a vegetarian, ask the server for a list of options

Chapter Members: \$40.00 Guests: \$60.00

Student Members: \$30.00 Life or Fellow: \$40.00

Space is limited so please register online at:

<http://ashraeottawa.simplesignup.ca/en/81/index.php?m=eventSummary>

<http://www.ashrae.ottawa.on.ca>

e-mail: contact@ashrae.ottawa.on.ca

President's Message

So another ASHRAE year is upon us and we are starting it off at the Mill Street Brew Pub. Everyone had a fabulous time at the 60th anniversary event and hopefully we will repeat that this coming month. Our speaker will be Guy Newsham of National Research Council Canada and his topic discussing green buildings is certainly current. Coupled with a technical session presented by our own past-president Lan Chi Nguyen Weekes, this should provide all comers with both a technical and satisfying ASHRAE experience.

One thing I must stress about the September meeting is that space is strictly limited with maximum attendance set at 80 people. At time of writing there are only three people registered - but at time of publication I expect this to have grown considerably. If you want to attend

this meeting (and future meetings at the Restaurant International for that matter), you MUST register properly through our on-line system. All of the events are linked on the index page of our trusty website so please be sure to take the time to register or you may be disappointed.

Which leads me to Meal Plans - these are all available through the on-line system and the costs have not changed from last year. Please visit the site to make your purchase as soon as possible. You can access the on-line site from any page of our website by clicking the "Join Chapter or Pay Fees" link at the top right. The only fee that we have chosen to increase this year is the cost of a guest meal, the OVC is all about Membership!



President & CRC Delegate

Roderic Potter

2013-2014 OVC President

Rodders CAS

E-mail: rod@rodders.com

I spent the weekend of 23-25 August at the CRC in Toronto, along with about twelve of our OVC colleagues. This was of course the CRC where I got to actually vote on proposals and not just observe quietly (that role was played by our own Steve Moons, who sat through the caucus meetings with typical stoicism). It was overall a most rewarding experience which will be covered later in this newsletter.

I hope to see you all on September 17th. Cheers!

Dilfo 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@dilfo.com
Danny Dillon, GSC President

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 ~ jm.mills@genivar.com

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

News Update

High-Performing Buildings: Energy Efficiency And Indoor Air Quality Must Go Hand In Hand

Atlanta - Finding the balance between environmental health and energy efficiency in the pursuit of low energy buildings will be examined in a paper at the upcoming ASHRAE IAQ 2013, setting the tone for discussion for the entire conference.

"Neglecting indoor air quality while pursuing other goals can result in building environments that negatively impact the health, comfort and productivity of occupants and therefore defeat the overall goal of building design, including reduced costs," Kevin Teichman, a senior science advisor at the U.S. Environment Protection Agency, said. "While building design is key to achieving a high-performing building, it is critically important to follow these good intentions through construction, commissioning, operation and maintenance. Only in this

way will high-performing buildings actually perform as designed."

Teichman's papers are among 80 conference papers and extended abstracts being presented at IAQ 2013, Environmental Health in Low-Energy Buildings. This conference takes place **Oct. 15-18, 2013, in Vancouver, British Columbia, Canada**. The conference is the 17th in the ASHRAE IAQ conference series and is co-organized by ISIAQ.

Registration is now open for the conference. For complete conference information and to register visit www.ASHRAE.org/IAQ2013. An early bird rate expires Aug. 31st but advanced registration is open through Sept. 30, 2013.

Teichman's paper, "**Indoor Air Quality in High-Performing Building Case Studies: A Wealth of Intent, A Dearth of Data**" examines the role of indoor air quality in high performing buildings, focusing on case



Governor

Daniel Redmond

2013-2014 Chapter

Technology Transfer Chair

MMM Group

E-mail:

RedmondDan@mmm.ca

studies in ASHRAE's High Performing Buildings magazine. The paper was co-authored by Andrew Persily and conference co-chair Steve Emerich who are mechanical engineers at the National Institute of Standards and Technology. A panel discussion on the topic also is planned.

"While progress has been made in achieving sustainable high-performance buildings, it is noteworthy that many discussions of green high-performing and certainly net-zero energy buildings tend to focus on energy consumption" said Teichman. "Energy is critically important but is only one aspect of performance and should not be pursued to the neglect of the others."

The conference seeks to describe the current state-of-understanding of the relationship of IEQ in high-performance buildings.

"There is not a lot of data on IEQ in high performance buildings but this conference will bring the collective knowledge of the industry together to set a benchmark, if you will, on where we are and how we should move forward," said conference co-chair Hal Levin. "It will be important in identifying critical gaps in our knowledge and potential priorities for future ASHRAE research, standards and guidelines."

"The state of knowledge will be summarized in written "topic overviews" to be included in the Conference proceedings publication. These overviews may include comments on papers in the sessions, provide supplemental information, summarize the state of the art, include suggestions for high-priority research, as well as identify areas that are well researched or include recommendations to ASHRAE about implementation of energy conservation and IEQ design activities" said Levin.

The Conference features papers and presentations in nine tracks, which include

- Environmental Health in Low-Energy Buildings
- Moisture and Health
- Sources and Chemistry
- Indoor Environmental Quality Factor Interactions
- Residential Buildings
- Commercial and Institutional Buildings
- Air Cleaning and Filtration
- Microorganisms and Infection
- Tools (models, measurements and more)

Plenary Lectures are given by four distinguished international authorities:

- **William Bahnfleth**, Ph.D., P.E., Fellow ASHRAE, ASME Fellow, Pennsylvania State University, 2013-14 ASHRAE president, "Are We Putting Enough Energy into Making Buildings Healthy?"
- **Richard Corsi**, Ph.D., P.E. University of Texas, Austin, Indoor Air 2011 president, "Building Energy and Reactivity"
- **Mark J. Mendell**, Ph.D., Lawrence Berkeley National Laboratory and California Department of Public Health, "Do We Know Much about Low Energy Buildings and Health?"
- **Pawel Wargocki**, Ph.D., Danish Technical University, ISIAQ president, "What Can Europe Teach Us?"

ASHRAE Announces New High Performance Buildings Conference

Alanta -ASHRAE has announced its next High Performance Buildings Conference will take place **April 7-8, 2014, Hyatt Fisherman's Wharf, San Francisco, California.**

Building upon the 2012 High Performance Buildings Conference and 2009 Net-Zero Energy Conference, the conference seeks to advance the industry's efforts to accomplish a true high performance built environment.

"The 2014 HPB Conference provides a unique opportunity for dialog among attendees to facilitate understanding of current indoor environmental quality and energy saving efforts and to share best practices for achieving high-performance buildings," said conference chair Kent Peterson.

"The conference topics provide a comprehensive overview of high performance building design with a focus on strategies in several areas" said Peterson. New subject areas include water efficiency, building occupant behavior, new building technologies and indoor environmental quality. In addition there is increased emphasis on lighting/day-lighting and the building envelope.

A case study-type poster session on "Measured Performance" and "Modeled Performance" will be presented. The conference format will include invited speakers as well as a call for presenters and a call for posters, which will be announced in the fall. Additional information can be found at www.hpbmagazine.org/hpb2014.

"Attendees will be able to realize the synergy required between indoor environmental quality and energy savings through advanced HPB design through the conference as well as network with other HPB professionals" said Peterson.

The conference is being presented by ASHRAE's High Performing Buildings magazine, the industry's premier source for measured performance of practices and technologies to promote better buildings.

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 888.280.8544
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



Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

Greg Terry, P. Eng.
Mechanical Engineer

1150 Morrison Drive
Suite 410
Ottawa, Ontario
K2H 8S9

Phone: 613-828-7800
Fax: 613-828-2600
email: gregt@jp2g.com

Longhill Energy

Chris Harrison
President
chrish@longhill.ca
Phone and cell option: 613-226-3856 ext. 24
Fax: 613-226-2715
111-15 Capella Court, Ottawa, Ontario K2E 7X1
www.longhill.ca
The Energy Conservation People

Master
MECHANICAL REFRIGERATION
INSULATION 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

METHOT
THE HEATING SPECIALIST

Michael McNamara, P. Eng.
President Ext: 27
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



CRC Region II 2013 Wrap-Up

location: Fairmont Royal York Hotel
Toronto, Ontario, Canada

Friday August 23rd 2013

This day was used for historical display setup and initial business meetings. The closed caucus session also started during the morning during which the Chapter Delegates, Alternates and Nominating Officer Doug Cochrane began the process of nominations with succession planning being of prime importance for the future of our society. I cannot tell you much about what went on in the closed sessions because what happens in caucus, stays in caucus. The evening highlight was the welcome party which was well attended and offered an enormous joint of beef for dinner.



Magnificent Historical Display by Host Chapter Toronto



Chris Fudge, Kashyap Desai, and Robert Kilpatrick at the Welcome Party

Saturday August 24th 2013

Major work was done in the business and caucus meetings during this day. Each chapter presented a summary of their previous year's operations, more closed caucus work was performed, and there was a glorious awards luncheon with a speech by Society President Bill Bahnfleth. Awards were handed out for hard work at the chapter level during last year. The afternoon was dedicated to break-out workshops for the various committees such as Membership Promotion, CTTC, and History.

The highlight of the CRC was the Saturday evening dinner in the revolving restaurant atop the CN Tower. It was fantastic.



The Saturday Business Session Was Open to All Parties



The Opulent Awards Luncheon



Our Own Adam Moons Shared the Membership Promotion Award with Three Colleagues

Sunday August 25th 2013

Business meetings continued with reports on the committee workshops from the previous day. Much of the meeting was taken up with reading and debating motions from the floor; there were over ten of these. The next CRC will be hosted by the London Chapter, their representatives summarized their plans for holding it at a Grand Bend resort, which looks marvelous!

All of this might look like there was a lot of celebrating and schmoozing going on but be aware that much



President & CRC Delegate

Roderic Potter

2013-2014 OVC President

Rodders CAS

E-mail: rod@rodders.com



View from the CN Tower of the Locomotive Roundhouse

important work is undertaken behind the scenes, without which our region would grind to a halt. These photos do make it clear that there are benefits to getting involved with ASHRAE though. I encourage all members to step up to the volunteer plate.

Our Chapter Historian Aaron Dobson has done a wonderful job of taking all the photos, about 200 of which are linked on the 2013-2014 year page of our website for your perusal. Cheers!



Here Our Own Adrienne Mitani Reports on the Student Activities Workshop



This was a Hugely Successful CRC, the Finest I have Yet Attended; Toronto is to be Congratulated

2013 ASHRAE Stroke Play Golf Tournament

Registration Link:

<https://ashraeottawa.simplesignup.ca/en/19/index.php?m=eventsList>

Ladies and Gentlemen,

I would like to remind you that we are closing in on the date for the ASHRAE Stroke Play Golf Championship.

The intent of this golf tournament is to encourage the fellowship and camaraderie that ASHRAE is known for. To that end, golfers of all abilities are welcome to participate. That said we will play the game as per RCGA rules in a stroke play format. There will be no flights or handicaps applied and the lowest score on the day will win. There will be no "mulligans", "do-overs", "foot-wedges" or "gimmies". A handout outlining some of the rules to remember will be provided. As this is a purely social event, there will be no auctions, prizes or sponsorship;

just an enjoyable competitive round of golf.

The tournament will be held on Tuesday, Sept. 10th, 2013 at The Canadian Golf & Country Club. The registration will be done on-line, via the link in this article. Registration will start at 8:30am; first tee time will be at 9:00am. To keep the pace of play brisk, we will try to group participants in threesomes; teeing off in succession. Registrant's final tee times will be dependent on the total number of entrants. In the interest of keeping costs down, your registration fee of \$60 includes green fees only. Meals and carts can be purchased individually at the course on the day of the tournament.



President-Elect Steve Moons

2013-2014 President-Elect & PAOE Committee Chair

Total HVAC

E-mail: Stevem@totalhvac.com

Space is limited to 30 participants. We expect this event to sell out. Please register on-line through the Simple Signup website, link below. Participants will be contacted before

the tournament to be given their tee time and last minute details. If you have any questions, or need more information, please contact

Total HVAC Inc c/o Steve Moons

14A - 190 Colonnade Rd., S.
Ottawa, ON, K2E 7J5
Phone (613) 723-4611
Fax (613) 723-4677
Email stevem@totalhvac.com

RODDERS CAS

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

Roderic S. Potter Principal

155 Pineridge Road
888 3 Corp, ON K0A 1L0
tel 613.839.2257 / fax 613.839.3226

www.rodders.com
info@rodders.com
cell 613.266.2134

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

S&R MECHANICAL

Division of 001291 Ontario Inc.

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

SIEMENS Industry

Siemens Canada Limited
Building Technologies Division

2435 Holly Lane
Ottawa, Ontario
K1V 7P2 Canada

Tel: (613) 733-9781
Fax: (613) 737-4985
Cell: (613) 614-7165
atma.anantram@siemens.com

Atma Anantram P.Eng
Account Executive

Young Engineers of ASHRAE

Greetings OVC YEA members!

I hope you all had a great summer. I can't believe it's almost over!

I just got back from the Region II CRC in Toronto, where I had some great discussions with other YEA chairs about how to get more under-35 ASHRAE members engaged with their local chapters. I was very pleased to find out that we are actually one of the more involved YEA groups in the region, so give yourselves a pat on the back! We had ourselves a very good year in 2012-2013, with great turnouts at both

our social event at the Mill St Brewery and our tech tour at the Ottawa Archives Building.

My goal for this year is to make ASHRAE membership as valuable and enjoyable as possible for you, the YEA members. As such, I am more than willing to take suggestions on what events you'd like to see over the next year. I think at a minimum we should do one tech tour and one social event, while of course making appearances at the OVC events as well.



Committee Chair Brian Warren

2013-2014 YEA Committee Chair

VRM

E-mail: brianw@vrmeng.com

It's meant to be fun, and I know you wouldn't have it any other way; so feel free to contact me with your ideas.

See you all at the next meeting!

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

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

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

TAMCO INNOVATIVE DAMPER PRODUCTS

Experience the true meaning of service and quality

Frank Picchione
Regional Sales Manager

Tel: 800-561-3449
Cell: 514-781-8381
Fax: 800-668-8476
frank@tamcodampers.com
www.tamcodampers.com

TAMCO locations in Ottawa, Ontario and Nashville, Tennessee.

Student Activities

September is here and we welcome a new design team from Algonquin College to the 2014 design competition. **Heather Turcotte, Fahad Burham Kurd, Byron Paulson & Adrian McGrath** will be taking on this year's design challenge and we look forward to helping them get started on this year's design along with Chris Frauley who has again generously donated time to advise the group.

Coming out of the CRC Region II in Toronto, we are excited to get the year started with plans to continue our successful Student nights, and look forward to seeing many students at the new monthly meeting location at Algonquin College. We also look forward to working with the Algonquin and Carleton student chapters to meet their goals. We have some new plans to begin promoting Science Technology Engineering and Math (STEM) in K-12 locally with the Ottawa School Board.

To learn more about ASHRAE's Role in Science Technology Engineering and Math (STEM) Coalition <https://www.ashrae.org/membership--conferences/student-zone/k-12-activities>

Later in the New Year, we plan on hosting another career fair after last year's success.

If you have any questions, or would like to help in any of this year's activities please don't hesitate to contact us.

For more student related information from ASHRAE please check out:

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



Committee Co-Chair

Adrienne Mitani
2013-2014 Student Activities Committee Co-Chair
Smith + Anderson
E-mail: Adrienne.Mitani@smithandandersen.com



Committee Co-Chair

Richard Cameron
2013-2014 Student Activities Committee Co-Chair & Publications Committee Chair
Goodkey Weedmark
E-mail: r.cameron@gwal.com

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

Smart Start Program (20-50-50):
Student members can pay student prices after graduating!
<http://www.ashrae.org/students/page/703>

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
2470 Don Reid Drive, Ottawa, ON K1H 1E1 A member of

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

Régulvar
Stéphan Riffault, P.Eng.
Sales Representative
1250 Old Innes Road, Unit 518
Ottawa, Ontario K1B 5L3
613-565-2129, ext. 2128
sriffault@regulvar.com
www.regulvar.com

CTTC Update

Hello and welcome to The Chapter Technology Transfer Committee (CTTC). My name is Daniel Redmond and I am your CTTC chair for the 2013-2014 year. Whether you are new to ASHRAE and perhaps not familiar with the CTTC, a seasoned ASHRAE veteran who is very aware of what we do, or even if you are just reading this article to indulge in your love of reading, I am happy to give an overview of the CTTC and what it means for you.

As the name suggests, the CTTC is charged with the transfer of technical knowledge from ASHRAE Society and the HVAC industry to chapter members in order to meet their ongoing professional development needs. We strive to accomplish this transfer of information at the chapter level through a number of means, but most noticeably through the establishment of a high quality program of technical content for presentation at the monthly meetings. This includes bringing distin-

guished lecturers to Ottawa for presentations and seminars. The CTTC is also responsible for promoting and administering the Technology Awards Program and assisting local members to submit projects to compete for ASHRAE Technology Awards at the chapter, regional and society levels.

ASHRAE is a not-for-profit organization that has the following mission and vision:

Mission:

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

Vision:

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.



Governor

Daniel Redmond
2013-2014 Chapter Technology Transfer Chair
MMM Group
E-mail: RedmondDan@mmm.ca

The CTTC is the mechanism used to ensure that technical information that has been learned is passed on to other professionals for their use in order to meet the goals of ASHRAE's mission statement in line with ASHRAE's vision. To quote the 2013-2014 ASHRAE Society Treasurer, David Underwood the CTTC is essentially "where the rubber meets the road". We have a great program planned for the year ahead and we look forward to helping you increase your technical knowledge base and to assist with your professional development.

Grassroots Government Activities

It is my honour to serve as the Grassroots Government Activities Committee (GGAC) Chair for the 2013-2014 Chapter year. The GGAC is a new standing committee started this year. It shall be responsible for grassroots activities and issues that relate to local, state and provincial government bodies in areas of interest to ASHRAE members.

Until now ASHRAE has focused more with US Government activities. However the society realised that ASHRAE is truly an international organization and has decided to have a broad scope which is not U.S.-centric.

Many ASHRAE relevant policy issues are decided at different levels of government. Chapter members are more knowledgeable about issues at local level and in their communities. We can develop relationships with various levels of governments and other likeminded organizations to

work with policy makers to further our cause in serving the society and general public.

We can serve in various capacities to work, collaborate, help and advocate at different levels of governments like adoptions of ASHRAE standards, guidelines and positions. We can update federal, provincial and local government with many technical issues and can even have Memorandums of understanding (MOU) for specific tasks.

We also plan to start and maintain a list of elected officials, who may have a role in the planning, adoption or enforcement of various codes, standards, guidelines or policies related to building sciences and engineering.

This is a key period for ASHRAE, as we delve more fully into engaging with state, provincial, and local officials. It is vital that we build a



Committee Chair Kashyap Desai

2013-2014 Grassroots Government Activities Committee Chair

PWGSC

E-mail:

Kashyap.Desai@tpsgc-pwgsc.gc.ca

network of active engineer-advocates worldwide to impress upon decision-makers how their choices will impact society and HVAC&R professionals specifically in the days, months, and years to come.

We welcome members to be a part of this new and exciting program. We have a number of ideas but we are always welcoming new ideas as well. If you are interested in helping out please contact me. There are many ways that you can be of assistance with this, and I am looking forward to making this a team effort for all of us that benefit from the GGAC activities in Canada's National Capital Area.

TOTAL HVAC

Adam Beales
Principal

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

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

Andrew Klassen
Account Manager

TRANE

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

IR Ingersoll Rand

McKEE ENGINEERING

Jim Siciliano, P.Eng. LEED® AP
Vice-President - Mechanical
Jim.Siciliano@mckeeottawa.ca

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

ASHRAE OVC Members Participating in Society

The Ottawa Valley Chapter of ASHRAE is well represented at both the regional and society levels by OVC members that have been appointed or elected to serve in a variety of positions:

Darryl Boyce: Darryl has been elected as a Vice President of the Society. This is the second time that Darryl has served in this position.

Rod Potter: Besides serving as this year's President of the Chapter, Rod has also been appointed to serve on the Electronic Communications Committee. This is a standing committee of society.

Lan Chi Nguyen Weekes: Lan Chi has been appointed to serve on the Environmental Health Committee. This is also a standing committee of society.

Donald Weekes: The Chapter's Immediate Past President has been appointed by President William Bahnlath to serve on the Indoor Environmental Quality Alliance Ad Hoc Committee.

Chris Fudge: Chris is a Governor of the Chapter, and he also has been appointed to serve as the Regional vice Chair for The Chapter Technology Transfer Committees (CTTC).



Past President Donald Weekes

2013-2014 Chapter

Research Promotion Chair
InAIR Environmental Ltd.

E-mail: don.weekes@in-airenvironmental.ca

When you see these chapter members at the next chapter meeting, congratulate them and thank them for their service to ASHRAE.

National Research Council Canada

Working with clients and partners, the National Research Council Canada provides strategic research, innovation support, scientific and technical services to develop and deploy solutions to meet Canada's current and future industrial and societal needs. Guided by our core values of impact, accountability, leadership, integrity and collaboration, NRC is a dynamic and vibrant organization that, in its ongoing evolution, is seeking a Construction Project Coordinator.

Construction Project Coordinator, TO-3 Administrative Services and Property Management Branch Ottawa - Ontario

Terms and continuing positions.

Your Challenge

We are looking for three experienced construction project coordinators who want firsthand construction experience coordinating work of contractors on the job site as part of NRC's project delivery team.

We are seeking one individual with significant experience and knowledge in architectural/structural building systems, a second with mechanical building system experience and a third with electrical building system experience.

At NRC, you will be exposed to a wide variety of buildings, including offices, laboratories and special use facilities (such as cleanrooms and wind tunnels) that offer our property management personnel an interesting work experience. You will represent NRC, the building owner, on the construction site and you will be expected to be the eyes and ears and spokesperson for the Project Manager who is responsible for the project.

You will be expected to coordinate multiple projects and contracts simultaneously while ensuring that work is completed according to the tender documents and that industry best practices and all safety & building codes are respected.

The Construction Project Coordinators will be responsible for implementing assigned projects by overseeing and managing the work of contractors on construction sites, completing work related to the addition to or renovation, restoration, or alteration of NRC buildings or facilities. You will also coordinate the activities of inspection authorities, interpret and enforce construction safety codes to minimize risks and liabilities to NRC, and will provide regular reports to the Construction Project Manager with respect to site progress and on any issues that could impact the project outcome; Projects that will be assigned to you could range in value from tens of thousands to several million dollars.

Screening Criteria

Applicants must demonstrate within the content of their application that they meet the following screening criteria in order to be given further consideration as candidates.

Education

Successful completion of secondary school and possession of a Trade License or a college diploma in Architectural, Mechanical Engineering or Electrical Engineering) Technology.

For alternate qualifications please refer to equivalency heading below.

Experience

Significant experience related to the commercial or industrial building construction industry.

Experience in coordinating the on-site activities of contractors on multi-trade projects, particularly in the Federal Government environment;

Significant experience with contract administration and management ensuring conformance to tender documents (drawings and specifications) for contractual compliance, due diligence, assessing the quality of the work, safety reviews and coordinating the efforts of the design team;

For alternate qualifications please refer to equivalency heading below.

Equivalency

Candidates with a combination of education, training and extensive and relevant experience may be considered.

Language Requirements

Various Linguistic Requirements

Salary Range

From \$51,114 to \$70,000 per annum plus the Bilingualism Bonus of \$800 a year to the candidate who meets the language requirements.

Notes

These positions are being advertised internally and externally simultaneously; however, first consideration will be given to internal NRC applicants.

To Apply:

Want to know more about this challenge? Visit our website at <http://www.nrc-cnrc.gc.ca/eng/careers/index.html>.

Interested in being considered?

All applications must be submitted on-line. **Please do not fax or email your applications.** Applications must be received no later than 09/16/2013 (23:59 Eastern Standard Time).

APPLICATIONS MUST QUOTE HIRING NUMBER: 12-13-0311

As an employer who values diversity in its workforce, we encourage candidates to self-identify as members of the following designated groups: women, visible minorities, aboriginal peoples and persons with disabilities.

Accommodation is available to all candidates retained for further assessment.

CONTACT PERSON:

Telephone: (613) 949-7686

Email: HRQuestionsRH_CG3@nrc-cnrc.gc.ca

Conseil National de Recherches Canada

En collaboration avec ses clients et partenaires, le Conseil national de recherches Canada (CNRC) mène des recherches stratégiques, soutient l'innovation et offre des services scientifiques et techniques pour la mise au point et le déploiement de solutions qui répondent aux besoins actuels et futurs des entreprises et de la société canadienne. Guidé par ses valeurs fondamentales relatives à l'impact, à la responsabilité, au leadership, à l'intégrité et à la collaboration, le CNRC est un organisme dynamique et entreprenant, qui dans le cadre de son évolution constante, est à la recherche d'un Coordonnateur de projet de construction.

Coordonnateur de projet de construction, AT-3 Direction des services administratifs et gestion de l'immobilier Ottawa - Ontario

Postes continus et d'une durée déterminée.

Votre défi

Nous sommes à la recherche de trois coordonnateurs de projet de construction expérimentés et désireux d'acquérir une expérience de construction sur le terrain en coordonnant le travail d'entrepreneurs sur les chantiers, en tant que membre de l'équipe de Gestion de projet du CNRC.

Les candidats recherchés doivent posséder une expérience et des connaissances considérables dans les systèmes de bâtiments : un dans les systèmes architecturaux/structuraux, un dans les systèmes mécaniques et un dans les systèmes électriques.

Le CNRC possède une grande variété de bâtiments, y compris des bureaux, des laboratoires et des installations spéciales (comme des salles blanches et des souffleries), qui offrent à notre personnel de gestion de l'immobilier une expérience de travail intéressante. Vous représenterez le CNRC – le propriétaire des bâtiments – sur les chantiers de construction, où vous serez à la fois les yeux et les oreilles ainsi que le porte-parole du gestionnaire de projet, qui est le responsable du projet.

Vous devrez coordonner plusieurs projets et contrats simultanément tout en vous s'assurant que les travaux soient exécutés conformément aux documents d'appel d'offres, aux normes de l'industrie et aux codes de sécurité et du bâtiment applicables.

Les coordonnateurs de projet de construction seront chargés de mener à bien les projets confiés en supervisant et en gérant le travail des entrepreneurs sur les chantiers et en complétant le travail d'agrandissement, de rénovation, de restauration ou de modification des bâtiments et installations du CNRC. Ils devront aussi coordonner les activités des inspecteurs, interpréter et faire appliquer les codes de sécurité sur les chantiers afin de limiter les risques pour le CNRC, ainsi que fournir des rapports réguliers au gestionnaire de projet sur l'avancement du chantier et sur toute question pouvant se répercuter sur l'issue du projet.

La valeur des projets qui vous seront confiés pourrait varier entre des dizaines de milliers et plusieurs millions de dollars.

Critères de sélection

Afin que leur candidature soit prise en considération, les candidat(e)s doivent démontrer, par l'entremise de leur demande, qu'ils/elles répondent à tous les critères de sélection suivants.

Éducation

Diplôme d'études secondaires assorti d'un certificat de compétence dans un corps de métier, ou diplôme

d'études collégiales en technologie du bâtiment (architecture, systèmes mécaniques et électriques).

Pour les qualifications alternatives, veuillez vous référer au titre d'équivalence ci-dessous.

Expérience

Expérience considérable liée à l'industrie de la construction commerciale ou industrielle;

Expérience de la coordination d'activités d'entrepreneurs spécialisés sur des chantiers de construction nécessitant la présence de différents corps de métier, en particulier dans le contexte du gouvernement fédéral;

Expérience considérable de l'administration et de la gestion de contrats, particulièrement en ce qui a trait à l'assurance de la conformité aux plans et devis, la diligence raisonnable, l'évaluation de la qualité des travaux, l'inspection de la sécurité et la coordination du travail de l'équipe de conception;

Pour les qualifications alternatives, veuillez vous référer au titre d'équivalence ci-dessous.

Équivalence

On pourra étudier les demandes des candidats pourvus d'une combinaison d'études, de formation et d'expérience considérable et pertinente.

Exigences linguistiques

Différents profils linguistiques

Échelle de traitement

De 51 114\$ à 70 000\$ par année auquel s'ajoute une prime de bilinguisme de 800\$ par année accordée à la personne qui rencontre les exigences linguistiques.

Remarques

Ces postes sont annoncés à l'interne et à l'externe simultanément. On accordera cependant la priorité aux candidats internes du CNRC.

Pour postuler

Vous désirez en connaître davantage sur ce défi? Visitez notre site web :

<http://www.nrc-cnrc.gc.ca/fra/carrieres/index.html>

Vous êtes intéressé(e)s à être considéré(es)?

Toutes les demandes d'emploi doivent être soumises en ligne. **Ne soumettez aucune demande via télécopieur ou courriel.** Les demandes seront acceptées jusqu'à la date du 09/16/2013 (23:59 heure normale de l'Est)

LES DEMANDES DOIVENT MENTIONNER LE NUMÉRO D'EMBAUCHE : 12-13-0311

Le CNRC est un employeur qui valorise la diversité de la main-d'oeuvre. A ce titre, nous encourageons les candidat(e)s à s'auto-identifier comme membre d'un des groupes cibles suivants: femmes, minorités visibles, autochtones et personnes handicapées.

Des mesures d'aménagement sont disponibles pour tout(e) candidat(e) dont le nom est retenu pour évaluation subséquente.

PERSONNE RESSOURCE:

Téléphone : (613) 949-7686

Courriel : HRQuestionsRH_CG3@nrc-cnrc.gc.ca

History

Hi Everyone,

I just recently attended our Chapter's Regional Conference (CRC – Region II) in Toronto representing the Ottawa Valley Chapter as Chapter Historian where I had an opportunity to meet all the volunteers, including other chapter historians and reviewed our objectives for the upcoming year. Pictures of Toronto's

CRC are available online via our website. I have been a member of the Ottawa Valley Chapter for over 10 years and have been a volunteer most of this time as a member. This is my second year as chapter historian and I look forward to capturing our chapter's history throughout the years. If you have any historical items relating to our Chapter's ASHRAE history that



Comittee Chair Aaron Dobson

2013-2014 Historical Committee Chair
Direct Energy
E-mail: aaron.dobson@directenergy.com

you would like to share or donate, please contact me at aaron.dobson@directenergy.com

 WALMAR www.walmar.net	 ENGINEERING PERFORMANCE... ... mechanical, electrical, building automation, environmental, ... advanced sustainable building systems
24 Gurdwara Road Nepean, Ontario K2E 8B5 Tel: (613) 225-8774 Fax: (613) 225-2972 VENTILATION & FILTRATION PRODUCTS	RANDY CAVILL, C.E.T. President e-mail: randy@walmar.net Patrick St-Onge, P. Eng. LEED AP 613-596-6454 bpa.ca 1960 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9

Research Promotion

Hi, Everyone!

I hope your summer was relaxing and fun. Your Ottawa Valley Chapter Research Promotion Committee has been busy this summer getting ready for the yearly campaign. The committee includes the following OVC members: Cathy Godin; Christine Kemp; Mike Swayne; Bob Kilpatrick; Vice Chair Steve Moons; and me as Chair. We are excited to be working together, and our goal is to make this year's campaign fun in keeping with President Potter's theme for 2013-14.

At the September, 2013 meeting at the Mill Street Pub, we will be setting up beer glass pong. There are a limited number of 60th anniversary beer glasses available, and we will ask you for a donation to play beer pong and win one of the glasses. The idea is that you throw a ping pong ball from a set distance on a table into a glass. The 60th anniversary glasses will be surrounded by other glasses, so that it is not as easy as it sounds to land a ping pong ball in the right glass. But, if you do, you win the glass!



Past President Donald Weekes

2013-2014 Chapter Research Promotion Chair
InAIR Environmental Ltd.
E-mail: don.weekes@in-airenvironmental.ca

Look for the table with the glasses, and Cathy and Christine will get you set up to play for the glasses!

We will be planning other fun events, such as a scotch tasting, a wine tasting and a night at a pub with a live band. Please check out our monthly blog on the ASHRAE OVC website as well as the monthly articles in the Communique.

 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	 Yorkland Controls ENVIRONMENTAL SOLUTIONS 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.	 Jp2g Consultants Inc. ENGINEERS ■ PLANNERS ■ PROJECT MANAGERS 1150 Morrison Drive Suite 410 Ottawa, Ontario K2H 8S9 Mike Swayne, P. Eng. Director of Building Services Phone: 613-828-7800 Fax: 613-828-2600 email: mswayne@jp2g.com
---	--	---

Committee Chair

Adam Moons

2013-2014 Membership

Committee Chair

Walmart Ventilation

Products

E-mail: adam@walmart.net



Membership

Greetings Everyone!

Here we are again! I'm really excited to be returning for another year as the Membership Promotions Chair for the Ottawa Valley Chapter. The goal of membership promotion is the growth of our chapter, as well as managing the members that we currently have.

Part of the challenge is reminding people of the importance of involvement. While the OVC has good retention, further work can be done to keep our membership base strong. Working through the reports to find the best targets for events and activities that can bring more members, as well as enhance the ASHRAE experience, is one way we'll be advancing this year. As it stands, we have begun a series of lunch and learn seminars to better advertise the benefits of membership. These will be expanding in the coming months. In addition, we will be running a series of social 'tasting' events with wines and scotches being paired with excellent food selections. The social aspect of ASHRAE is something that needs to be celebrated as well.

I will be looking for more volunteers to be part of my committee for the year ahead. If you would like to join, or have any questions about involvement, please feel free to contact me. I would also like to introduce and welcome the following new members:

Mr. Alexandre Gaboury

Mr. Mark Pasini

Mr. Les Mack

Mr. Brendan Myers

Mr. Ben Griffin

Mr. Alan Wylie, Jr.

Mr. Scott Macdonald

Mr. Michel Larouche

Mr. Christopher Kirney

Mr. Glenn MacLean

Mr. Jean-Pierre Tardiff

Mr. Daniel O'Connor

I am looking forward to seeing you at the next ASHRAE event!

President-Elect

Steve Moons

2013-2014 President-Elect & PAOE Committee Chair

Total HVAC

E-mail: Stevem@totalhvac.com



Advertising

Advertising career opportunities on the ASHRAE Ottawa Valley website 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 website 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 at stevem@totalhvac.com.

The ads will appear on the website 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.

Rod Lancefield

2013-2014 Publicity

Committee Co-Chair

HTS Engineering Ltd.

E-mail: rod1@htseng.com



Business Card Ads

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

The cost is \$225.00 for the year. Please contact Rod Lancefield at rod1@htseng.com for more details.

2013-2014

President

Roderic Potter

President-Elect

Steve Moons

Treasurer

Georges Maamari

Secretary

Abbey Saunders

Governors

Patrick Albert

Chris Fudge

Adam Graham

Daniel Redmond

Past President

Donald Weekes

Committees

Attendance

Sandy Taylor

Audit

Stephen Lynch

Capital Communiqué

Richard Cameron

CRC

Roderic Potter

CTTC

Daniel Redmond

Grassroots Government

Affairs

Kashyap Desai

Financial

Sandy Taylor

Greeter

Miker Swayne

History

Aaron Dobson

Membership

Promotion

Adam Moons

Nominations &

Awards

Robert Kilpatrick

PAOE

Steve Moons

Publicity

Richard Cameron

Research

Promotion

Donald Weekes

Roster

Georges Maamari

Special Events

Chris Healey

Andrew Douma

Student Activities

Richard Cameron

Adrienne Mitani

Table Top

Derek Atkins

Website

Roderic Potter