



AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS INC.

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon Sept 30/2013

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Topic

Seismic/Wind

OBC 2006/NBC 2010

Design Considerations and Best Practices for Mechanical Consultants

Speaker

Robert W. Clements P.Eng

Vibro-Acoustics

Sales Manager, Canada

Meeting - Mon Sept 30/2013

BEST WESTERN

591 Wellington Rd. S., London

5:30pm-Social 6:00pm-Dinner
7:00pm to 8:00pm - Program

ADVANCED PAYMENT BEFORE MEETING
by using PAYPAL

use chapter web site to register and pay
<http://LondonCanada.AshraeChapters.org>

\$50 Nonmembers and Guests

\$50 CASH AT DOOR (if not preregistered)

\$40 London Chapter Member or \$250.00 for meal plan

\$10 for Students

Presidents Message

Welcome to the 2013-2014 ASHRAE year. The theme set by our Society President, Bill Banfleth, is "Shaping the Next". I had the opportunity to meet Mr Banfleth at the 2013 CRC and he is enthusiastic about the potential for ASHRAE and how we can innovate and guide the Next... (interior climate standards, energy efficiency, integrated design, etc... there are many opportunities).

I am honoured to act as our Chapter President and help guide our program and activities this year. In support of our Society Theme, our board has some exciting ideas that will help inspire the Next with our membership. Stay tuned.

Leading off the year is our first Chapter meeting, September 30 at the Best Western. The topic is "Seismic/Wind, OBC 2006/NBC 2010: Design Considerations and Best Practices for Mechanical Consultants"; presented by Robert W. Clements of Virbo-Acoustics.

This year's program has been designed to cover a variety of topics that will be relevant to our entire membership. Be sure to check out the full program in our next newsletter. Also, please feel free to suggest any topic or speaker of interest to our CTTC Chair Khalid (Khalid@somersep.com) and we will do what we can to incorporate it into the program. We are also seeking table-top presenters, so please share any that may be of interest.

The 2013 CRC was held in Toronto this summer. It provided for some engaging conversation and the inspiration for innovative ideas. Thank you to the Toronto Chapter for their excellent welcome and for being terrific hosts all weekend.

The 2014 CRC will be our turn o host and will take place in lovely Grand Bend Ontario. Be sure to book your calendars for August 22-24, 2014. A hearty thank you to Karl Gilroy for taking the lead as our CRC Chair. More details about our CRC will follow and your support is encouraged and will be greatly appreciated.

I am excited at what's to come this year and I want to thank everyone member in advance for their support, participation, and insight.

All the best.

Jamie Kruspel
 Chapter President 2013/2014
 ASHRAE London Canada Chapter

Upcoming Chapter Meetings

Monday Oct 28/2013 - Radiant Cooling Design, Dale Hanscomb
 Monday Nov 25/2013

Monday Jan 27/2014
 Monday Feb 24/2014
 Monday Mar 31/2014
 Monday Apr 28/2014
 Monday Jun 2/2014

Other Meetings

Jan 18 to 22, 2014 - ASHRAE Winter Conference - New York, NY (see ashrae.org)
 Jan 21 to 23, 2014 - AHR Expo - New York (ahrexpo.com)

Mar 19 to 21, 2014 = Canadian Mechanical and Plumbing Exposition (CMPX) - Metro Toronto Convention Centre

June 28 to July 2, 2014 - ASHRAE Annual Conference - Seattle, WA (see ashrae.org)

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Speaker Bio

Robert W. Clements P.Eng.
 Vibro-Acoustics
 Sales Manager, Canada

Rob is currently with Vibro-Acoustics in the role of Sales Manager for Canada. Rob holds a degree in mechanical engineering and has a strong HVAC background having worked with some of the major HVAC equipment manufactures and now a major vibration isolation/seismic and noise control manufacturer over his 27 year career.

With a strong interest in energy conservation, demand management, space optimization, and life cycle costing, Rob brings a unique approach to mechanical design for both new construction and retrofit projects. Rob has authored several papers on environmental noise, re-generated noise, seismic rated isolation for roof mounted equipment, and best practices for commercial HVAC noise control.

With a focus now on noise and vibration control and seismic restraint systems, Rob's systems knowledge and experience is invaluable in designing quiet, vibration free, efficient, and cost effective seismic restraint systems.

Topic

Seismic/Wind – OBC 2006/NBC 2010 –Design Considerations and Best Practices for Mechanical Consultants.

Participants will gain an understanding of when seismic restraints must be considered, (risk mitigation), attain a basic understanding and interpretation of OBC 2006, Supplementary Standard SB-1 – Climatic and Seismic Information for Building Design in Ontario, understand the relationship/responsibility of mechanical and structural engineers, how the projects are bid in Ontario, best installation practices, and compliance and final sign-off letters. In summary, you will leave with the information required to properly access whether seismic/wind restraints are required on your project.

Student Activities

We are meeting Monday, September 23 with students at Western University to present ASHRAE to them and get students started by promoting membership and discussing ideas for activities for the coming year.

Topics and potential activities include:

1. YEA/Student night - Any YEA members who would be interested in attending a social night with students to get them more involved in ASHRAE, please send me an e-mail (ben.oliver@chorley.com)
2. Job Shadowing - This would involve students shadowing an ASHRAE member for a morning or day. The goal of this portion is hands on experience prior to graduation, to spark interest in students to become involved in the industry, and the potential to become an Associate ASHRAE member post graduation.
3. SmartStart Program - Introducing the incentives on membership as well as items such as discounts on books and other resources.

Ben Oliver, MBA, B.Eng.Mgt
 Chapter Student Activities 2013/2014
 ASHRAE London Canada Chapter

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Membership

Greetings from the Membership Chair,
I first would like to introduce myself, Jeff Watson, as your London Chapter Membership Promotion Chair for 2013-2014. I have been involved with the London Chapter for the past two years, and I look forward to the task of Membership Promotion (MP) for the upcoming year.

Since being named as the MP Chair, I have been able to grow as an ASHRAE Member and gain a completely new found appreciation for the Society. I attended Centralized Training in Denver in June, which introduced and prepared me for my Role this year. I was able to meet new people, learn more about Society and the dedication of the members, like yourself, that continue to make ASHRAE the leading organization in improving the quality of life in the HVAC industry.

I also attended the CRC in Toronto last month, where I was able to build from the momentum started at Centralized Training and learn tips from returning MP Chairs from other Chapters to better manage my responsibilities.

ASHRAE currently has approximately 53,000 members worldwide, with a goal of reaching 55,000 by the year 2015. The success of the Society is really in its members, and I thank you all for your commitment to the Society. I truly would not be the professional I am today, without the resources available from ASHRAE, and I anticipate I am not alone in that feeling.

I hope to see you all out at our first Chapter Meeting and I look forward to meeting you all over the upcoming year.

Best Regards,
Jeff Watson
Chapter Membership Chair 2013/2014
ASHRAE London Canada Chapter

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ASHRAE Announces New High Performance Buildings Conference

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

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," Kent Peterson, Conference chair, said.

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

A case study-type poster session on "Measured Performance" and "Modeled Performance" is 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, Peterson said.

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.

ASHRAE 2014 Winter Conference

Jan. 18-22, 2014

New York City, New York

New York City's iconic skyline serves as the perfect backdrop for the 2014 Winter Conference. In one of the world's top cities for most skyscrapers—nearly 600—it's only appropriate that the Conference puts a special focus on the design, development and operation of tall buildings. And they say if you can make it in New York City you can make it anywhere, so ASHRAE is also taking a look at new and innovative international design strategies for meeting environmental, geographical and cultural factors. Join the Society—along with the ASHRAE co-sponsored AHR Expo—as it returns to the Big Apple for the 2014 Winter Conference.

Item of Interest:

The AHR Expo takes place Tuesday, Wednesday, Thursday (Jan. 21-23), vs. its traditional Monday, Tuesday and Wednesday.

The ASHRAE Conference, which takes place Jan. 18–22 at the New York Hilton, allows you to network with your fellow ASHRAE members from around the world and shape the future of the built environment industry. The Technical Program has a building-oriented theme and seeks papers on building information systems; environmental health; international design; HVAC&R applications and systems; and, featured for this Conference, tall building performance. Nearly the entire technical program is approved for NY PDHs, AIA LUs and LEED® AP credits. Also offered are ASHRAE Learning Institute courses, social events and the opportunity to take part in more than 600 committee meetings.

Of course, you don't want to miss the ASHRAE co-sponsored AHR Expo, which allows you to see, touch and compare the newest products representing the most innovative technology in the HVAC&R marketplace. This year, the show takes place Tuesday, Wednesday and Thursday, Jan. 21–23 at Javits Convention Center, a change from its traditional Monday, Tuesday and Wednesday. The Expo will feature nearly 2,000 leading manufacturers displaying thousands of products. Also be sure to check out AHR Expo's comprehensive program of over 100 educational sessions, workshops and new product presentations offered at the Show.

To encourage attendance at the Conference, first-time conference attendees receive a discounted \$515 early bird rate for the entire Conference, which also provides admission into the Expo. Registration information for the Winter Conference can be found at www.ashrae.org/newyork and for the AHR Expo at www.ahrexpo.com.



ASHRAE Announces 2013-14 Conference Lineup

ATLANTA—Mark your calendars now because ASHRAE's conference schedule for 2013-2014 is widespread in both dates and global reach.

ASHRAE conferences present the latest developments in the industry and fundamental tried and true practices. Topics range from high performance buildings to buildings that have combustion with low-grade fuels.

Oct. 15-18, ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings, Vancouver, British Columbia, Canada

Jan. 18-22, 2014, ASHRAE Winter Conference; Jan. 20-23, AHR Expo, New York, New York

Feb. 24-26, 2014, First International Conference on Energy and Indoor Environment for Hot Climates, Doha, Qatar

April 7-8, 2014, High Performance Buildings Conference, San Francisco, Calif.

April 24-25, 2014, Efficient, High Performance Buildings for Developing Economies, Manila, Philippines

June 28-July 2, 2014, ASHRAE Annual Conference, Seattle, Wash.

September 10-12, 2014, ASHRAE/IBPSA-USA Building Simulation Conference, Atlanta, Ga.

The conferences feature peer-reviewed papers, presentations with hands-on information presented in a non-commercial format, Professional Development Hours and networking opportunities.

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

New Course on Commercial Building Energy Audits Offered by ASHRAE in Fall Online Course Series

Given the tremendous growth in emphasis on energy efficiency in existing buildings, private markets are looking for cost-effective investments to make in buildings. Energy efficiency represents an excellent opportunity to provide great returns while helping the environment, and improving indoor environmental quality. One way to learn what building improvements are needed is to conduct an energy audit. A new course from ASHRAE, part of its ASHRAE Learning Institute fall online course series, offers guidance on best practices and other information relevant for building owners, managers and government entities.

The two-part course, Commercial Building Energy Audits, includes a summary of materials essential for performing ASHRAE Level 1, 2 and 3 audits; time-saving tips for energy auditors; how to hire an auditor; what to ask for in a comprehensive audit report; how to build a successful energy efficiency retrofit team; tips to make site visits quicker and more effective; tools to make analysis of billing data and energy savings faster and more accurate; and tools to perform diagnostics using measured data.

"Engineers don't usually make the best salesmen," Kelsey noted. "Yet promoting energy efficiency projects in buildings requires energy auditors to promote projects and 'sell' their ideas. Attendees will learn how to promote energy efficiency projects in commercial buildings, with means that are more effective than simple cost effectiveness."

The course takes place Nov. 4 and 6. For registration costs and to register, visit: www.ashrae.org/onlinecourses.

The 13 ASHRAE Learning Institute fall online courses provide professional development through in-depth information that is timely, practical and targeted to provide engineers in consulting practices, facility management or supplier support with instruction on applying ASHRAE standards and employing new technologies essential for advanced building performance.

Course participants earn continuing education credits and qualify for Professional Development Hours for each course completed. Courses are instructor-led, drawing upon professional knowledge of leading practitioners.

Details on all the courses can be found at www.ashrae.org/onlinecourses. The courses are:

- Introduction to BACnet®, Sept. 9
- NEW! Troubleshooting Humidity Control Problems, Sept. 11
- Complying with Standard 90.1-2010: HVAC/Mechanical, Sept. 30
- Energy Management Best Practices (formerly Energy Management in New and Existing Buildings), Oct. 2
- High-Performance Building Design: Applications and Future Trends, Oct. 9
- Commissioning for High-Performance Buildings, Oct. 16
- Fundamental Requirements of Standard 62.1-2010, Oct. 21
- Air-to-Air Energy Recovery Fundamentals, Oct. 23
- Energy Efficiency in Data Centers, Oct. 28
- Air-to-Air Energy Recovery Applications: Best Practices, Oct. 30
- IAQ Best Practices for Design, Construction and Commissioning, Nov. 13
- Energy Modeling: Best Practices and Applications Parts 1 and 2, Sept. 16
- NEW! Commercial Building Energy Audits Parts 1 and 2, Nov. 4

Opportunity for Professional Development from ASHRAE at IDEX Canada

In conjunction with IDEX Canada, ASHRAE is offering the Fundamental Requirements of Standard 62.1-2010 training course on Friday, September 27, 2013 in Toronto. This half-day, instructor-led training course offers real-world applications based on the standard's requirements.

Fundamental Requirements of Standard 62.1-2010 (Course F19)

This introductory course focuses on the basic requirements of ASHRAE/ANSI Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality. The course covers the scope, applications and multiple compliance paths available in the standard. Ventilation rate procedure, indoor air quality procedure and natural ventilation procedure are discussed.

Many of the Standard's general requirements apply regardless of the procedure used. In the 2010 version, the IAQ procedure is rewritten and the natural ventilation procedure is updated. Different application conditions for the ventilation rate procedure are also described.

Date: Friday, September 27, 2013 Time: 1:00 p.m. – 4:00 p.m.

Registration Fee: Includes FREE access to the Expo
CAD \$125 (by September 12th) CAD \$135 (after September 12th)

Location: The Direct Energy Centre Exhibition Place, 100 Princes' Boulevard, Toronto, ON M6K 3C3, Canada

Web site for registration:
<http://www.iidexcanada.com/2013/attendee/conference/seminars>