



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

OCT 25/2010

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ph: 519-667-4108
sedmunds@uniongas.com

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Ibrahim Simhat
ph: 519-681-1221
ibrahim.semhat@jci.com

History & Newsletter

Tom Pollard
ph: 519-685-2570
tpollard@execulink.com

TOPIC:

Fanwall Technology

Mr ERIC VAN UYTFANCK, P.Eng.

Regional Sales Manager
Venmar CES Inc.

Meeting - MONDAY OCT 25/2009

STUDENT NIGHT

Windermere Manor

Western Research Park
200 Collip Circle, London

4:00pm - BOG Meeting

5:15pm Social 6:00pm-Dinner
7:15pm - Program

\$35.00 for London Chapter dues paid members
or \$175.00 for meal plan

\$10.00 for Students with valid student card

\$45.00 for others





President's Message:

I hope everyone enjoyed their Thanksgiving we sure had some great weather for the long weekend.

I would like to thank John Koko from Enermodal Engineering for coming down to speak to us last month on the update to the 2009 LEED Requirements it was very informative.

This month Mr. Eric VanUytanck Regional Sales Manager for Venmar CES Group to talk about Fanwall Technology and the meeting will be up at Windermere Manor @ UWO, also this month is Student Night and we are looking forward to having the students who have been attending the Student Chapter for ASHRAE at UWO come out to this months meeting please make them feel welcome. The Student Chapter so far to date has 22 members and had elected a President, Vice President and a Secretary. Congratulations to the Student Chapter and keep up the great work.

We are also looking for companies interested in displaying their product in a table top during our meetings this will give you an opportunity to talk about the product you are showing to the members who come out to the meetings, if you are interested please contact anyone on the board and we can make those arrangements for you.

This month, as mentioned at our last Chapter meeting, we will announce name that will fill the vacancy of the Vice President & Program Chair for our Chapter. If anyone is interested in putting name forward please contact myself.

Our November Chapter Meeting will be held at Moxies Downtown this will be are Research Promotion night and also will be one of our new Social Events, after the Chapter meeting is over for those of you interested in staying we have made arrangements to stay in our lounge area to watch Monday Night Football, we will have more details to follow at the meeting.

I look forward to seeing everyone at our next meeting

Jason Vandenberghe
President – ASHRAE London Chapter

Oct Speaker:

Eric Van Uytanck, P.Eng.
Regional Sales Manager, Venmar CES INC.

Eric Van Uytanck, P.Eng., is a Regional Sales Manager for Venmar CES Inc., an innovative manufacturer of cost effective, energy efficient, energy recovery solutions for the commercial ventilation market.

He has over 15 years of experience in the commercial and industrial HVAC market specializing in applied systems with particular emphasis on energy recovery equipment employing ultra-quiet, energy efficient and robust designs. He holds a degree in Pure and Applied Science from Rosemont College, a Bachelor of Mechanical Engineering Degree from Sherbrooke University in Quebec, Canada.

Mr. Van Uytanck is a member of the Quebec Order of Professional Engineers as well as the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)



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www.baymarsupply.com

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Fax: (519) 680-2410
eric.salin@siemens.com
www.siemens.ca/buildingtechnologies

Eric Christopher Salin
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Building Automation, Security,
Integrated Building Technologies

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Cell: 416.689.9693
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www.systemair.net



Sept Meeting Summary

Mr John Kokka, P.Eng, LEED AP, VP, Director of Commissioning Services, Enermodal Engineering reviewed the new LEED Canada requirements.

John discussed and compared the new point system with the previous system and explained the changes. Points have been adjusted and assigned based on a new weighting criteria that is more appropriate. Additional explanation that incorporates previous questions and issues have been added. Some reference standards have also been updated to the new latest standards. Several alternative credit compliance pathways have been introduced, and thresholds have been adjusted to better reflect the state of the industry.

Additional information about LEED Canada can be found to the web site:
www.cagbc.org

SOMERS ENVIRONMENTAL PRODUCTS INC.

Daryl Somers, CET

96 Meg Drive
London, Ontario
N6E 3T7

Tel: (519) 681-1977
Fax: (519) 686-9324
Mobile: (519) 670-7720

email: daryl@somersep.com

Norm Clarke, P. Eng.
District Manager



TRANE

Trane Canada
8 Belleisle Court
London, On N5V 4L2
Tel 519 453 3010
Fax 519 453 3024

Windsor Tel 519 256 7922
Samia Tel 519 337 0740

Jason Vandenberghe Technical Sales Representative



Sales & Marketing Inc.

4390 Paletta Court Burlington, ON L7L 5R2

Bus: (905) 631 5815 Fax: (905) 637 8655

G.T.A. Bus: (647) 288 0980 Cell: (519) 670 8066

Email: jasonv@aquatech.ws

www.aquatech.ws

ASHRAE Holds the Sustainability Cards

Join ASHRAE at the 2011 Winter Conference, Jan. 29-Feb. 2, Las Vegas, Nevada



A full-house of professional and personal development activities are offered!

Technical Program—focused on the efficient use of energy, the greening of the industrial base, the real cost of zero-energy design

Virtual Conference—if you can't make it to Las Vegas, don't miss out on the knowledge shared in the technical program with the Virtual Conference

AHR Expo—the ASHRAE co-sponsored AHR Expo takes place Jan. 31-Feb. 2 at the Las Vegas Convention Center. www.ahrexpo.com

ASHRAE Certification—launch of a sixth certification program, targeting building energy assessors. Five existing certification programs also offered

ASHRAE Learning Institute—offers six Professional Development Seminars and 14 Short Courses—includes a new course on building energy modeling and updates to courses covering Standards 62.1 and 90.1

Register before
November 5 and SAVE!

The early bird fee is \$505
(\$685 non-members)

www.ashrae.org/lasvegas



Jim Bender, P.Eng.
Contracting Sales

#6 - 320 Neptune Cres.
London, ON N6M 1A1
Tel: (519) 457-6700
Fax: (519) 457-8900
bender@htseng.com

Toll Free: (800) 341-3110



Hugh D. Palsler
President

hpalsler@palsarent.com
www.palsarent.com

London, Ontario
tel. 519-471-9382
fax. 519-471-1049
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ASHRAE, NEMA Partner on Standard to Create Facility Smart Grid Model

ATLANTA – We may not be traveling in flying cars or have talking robot maids as shown in the television cartoon “The Jetsons,” but homes, commercial and institutional buildings and industrial facilities are about to get a lot “smarter” when it comes to electrical use.

Under a national Smart Grid effort, ASHRAE and the National Electrical Manufacturers Association (NEMA) are jointly developing a standard that would provide a common basis for electrical energy consumers to describe, manage and communicate about electrical energy consumptions and forecasts.

A kickoff meeting to begin work on the proposed standard is taking place Aug. 30-31 at ASHRAE Headquarters in Atlanta.

ASHRAE/NEMA Standard 201P, Facility Smart Grid Information Model, will define an object-oriented information model to enable appliances and control systems in homes, buildings and industrial facilities to manage electrical loads and generation sources in response to communication with a “smart” electrical grid and to communicate information about those electrical loads to utility and other electrical service providers.

“Smart grids lead to smart meters lead to smart systems,” ASHRAE President Lynn G. Bellenger, P.E., said. “As the smart grid adjusts to suit load distribution and maintain power quality and reliability, one of the steps will be to communicate with building metering systems which, in turn, will communicate with building systems and equipment. This ties into demand response control to reduce peak demand. One day in the future, we likely will have real-time pricing with dramatic differences in power costs dependent upon the time of day or grid load.”

“NEMA and the members of their smart grid and high-performance buildings councils see the creation of this standard as a strategic element in driving development of a nation-wide smart electrical grid while increasing energy efficiency, occupant productivity and cost-effectiveness in safe secure buildings,” Jim Lewis, manager, High Performance Buildings, NEMA, said.

The standard is part of ASHRAE’s supporting efforts for the Smart Grid Interoperability Panel, a public-private partnership initiated by the National Institute of Standards and Technology to speed development of interoperability and cyber security standards for a nationwide smart electric power grid.

The proposed ASHRAE/NEMA standard will coordinate with work by the North American Energy Standards Board to develop a basic energy usage data model standard and create a facilities data model that provides additional energy usage data elements for commercial and industrial buildings. This includes lighting, heating, HVAC&R and other electrical loads.

ASHRAE Vice President Testifies at DOE Hearing on Sustainable Design Standards

ATLANTA – A newly published high-performance green standard would provide a solid foundation on which the federal government could build its efforts to make its buildings more sustainable, according to testimony today from ASHRAE. The U.S. Department of Energy held a hearing Wednesday, July 27, on the notice of proposed rulemaking on energy efficiency and sustainable design standards for new federal buildings and major renovations of federal buildings. Testifying at the hearing, ASHRAE Vice President Ross Montgomery encouraged the DOE’s Federal Energy Management Program to reference ANSI/ASHRAE/USGBC/IES Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings, compliance option of the International Green Construction Code (IGCC) as a means of meeting the requirements in the rulemaking.

“Standard 189.1 represents a revolutionary new step for building standards, as it provides a long-needed green building foundation for those who strive to design, build and operate green buildings,” Montgomery said. “From site location to energy use and recycling, this standard will set the foundation for green buildings through its adoption into local codes. ASHRAE strongly believes that Standard 189.1 can help meet many of the Federal government’s building needs.” Standard 189.1 was published in January 2010 and serves as a jurisdictional compliance option of the IGCC being developed by the International Code Council, the American Institute of Architects and ASTM International. ASHRAE’s partners in developing 189.1 are the Illuminating Engineering society of North America and the U.S. Green Building Council.

Standard 189.1 is the first code-intended green building standard in the United States. It covers key topic areas similar to green building rating systems, including site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building’s impact on the atmosphere, materials and resources. For complete information on the standard, including a readable copy, visit www.ashrae.org/greenstandard.

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**ASHRAE Assists College Students with Tuition through Scholarships**

ATLANTA—In order to reduce the financial strain on engineering students around the world, ASHRAE is awarding over \$80,000 in scholarship money for the 2010-2011 school year.

“ASHRAE acknowledges the need to be supportive of students and the development of a future generation of ASHRAE members continuing to ‘advance the arts and sciences of HVAC&R’,” Victor Goldschmidt, chair of the ASHRAE Scholarship Trustees, said. “At these times of a challenging economy and need for technical advances it is more important than ever to be involved in providing scholarships to worthy students, and through our chapters, having a presence with institutions with HVAC&R related programs.”

The 19 recipients of ASHRAE’s scholarship assistance are as follows:

- Reuben Trane Scholarship: \$10,000 to be awarded over two years, Benjamin Oliver, McMaster University, mechanical engineering and management; Jacob Wagner, Kansas State University, mechanical engineering; and Sean Kolich, Kansas State University, architectural engineering. The scholarship was established by the Trane Co. in memory of its founder, an innovative engineer, inventor and business executive.
 - Willis H. Carrier Scholarships: \$10,000 for one year, Daniel Cowan, University of New Haven, mechanical engineering, and Andrea Gregg, Kansas State University, architectural engineering. The scholarship was established by the Carrier Corp. in memory of its founder, who installed the world’s first scientifically designed air-conditioning system.
 - Frank M. Coda: \$5,000 for one year, Scott Reed, East Carolina University, engineering. The scholarship was created in memory of ASHRAE’s former executive vice president, who served from 1981-2004.
- The following awards include one-year \$3,000 scholarships:
- Duane Hanson Scholarship: Sean Holder, St. Louis University, mechanical engineering. The scholarship was established by Gayner Engineers and is named for the company’s former president.
 - Alwin B. Newton Scholarship: Cory Hultz, Oregon Institute of Technology, mechanical engineering. The scholarship is named for an industry pioneer and ASHRAE Fellow who was granted 219 patents.
 - Henry Adams Scholarship: Kaylee Damico, Pennsylvania State University, architectural engineering. The scholarship was established by Henry Adams Inc. in memory of its founder, a Charter Member and sixth president of ASHRAE’S predecessor society, ASHVE, in 1899.
 - ASHRAE Region IV/Benny Bootle Scholarship: James Wood, Clemson University, bioengineering. The scholarship was established collaboratively by Region IV and Benny Bootle, a former Region IV director and regional chair on the ASHRAE Board of Directors.
 - ASHRAE Region VIII Scholarship: Jacob Vazquez, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), mechanical engineering. This scholarship was established by Region VIII, which includes Arkansas, Oklahoma and Mexico and parts of Louisiana and Texas.
 - J. Richard Mehalick Scholarship: Matthew Kaminski, University of Pittsburgh, mechanical engineering. The scholarship was created by a former ASHRAE member who was instrumental in the development of air-conditioning equipment used in commercial, military, aerospace and transportation application.
 - Donald E. Nichols Scholarship: Jonathan Squires, Tennessee Technological University, mechanical engineering. The scholarship was established by a former member of ASHRAE’s Board of Directors who served for four terms.
 - ASHRAE Memorial Scholarship: Terrance Eakin, Ohio State University, mechanical engineering.
 - Associate of Engineering Technology: Robert Tounge, Austin Community College, heating, air conditioning and refrigeration technology; and Morgan Najewicz, Pennsylvania State University-Fayette, building engineering technology with building environmental systems technology option.
 - Bachelor of Engineering Technology: Matthew Kuli, Pennsylvania State University-Erie, mechanical engineering technology.
 - ASHRAE General Scholarships: Matthew Reeves, University of South Florida, pre-engineering; and Alexander Cox, Washington University, mechanical engineering.

Over the course of 20 years ASHRAE has awarded a combined \$1 million to over 200 deserving undergraduate and graduate students. It is ASHRAE’s belief that aiding these future leaders of the heating, ventilation, air-conditioning and refrigeration industry will in turn benefit society as they lead the way in sustainable HVAC&R technology.

For more information on ASHRAE scholarships, visit www.ashrae.org/scholarships. Applications are now being accepted for the 2011-12 undergraduate, regional and university-specific scholarships. The deadline is Dec. 1, 2010.

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ASHRAE Holds All the Sustainability Cards, Winter Conference to be Held in Las Vegas

ASHRAE '11

For Release:

September 16, 2010

Contact: Amanda Dean

Public Relations

678-539-1216

adean@ashrae.org

ASHRAE '11

ATLANTA—Las Vegas, Nev. continues to build upon its reputation as a vibrant showcase for the extraordinary by offering the grandest hotels, the biggest stars in entertainment and, of course, the brightest lights. It's no wonder that the world's biggest HVAC Expo and the largest membership-based HVAC&R engineering society have chosen the city as the site of the ASHRAE 2011 Winter Conference and AHR Expo.

The extravagant setting of Las Vegas serves as a unique contrast to ASHRAE's Winter Conference theme of A Safe Bet: Zero-Energy Design. It is sure to highlight the importance of finding the balance in design. The 2011 Winter Conference takes place January 29-February 2 at the Las Vegas Hilton. The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run January 31-February 2. The Expo is held at the Las Vegas Convention Center, a short distance from the Hilton, the Conference headquarters hotel.

In keeping with ASHRAE's goal of continuing education the Conference offers over 200 Professional Development Credits, as well as Continuing Education Units, which can be applied toward a Professional Engineering license.

The technical program features more than 90 programs and 300 speakers addressing the efficient use of energy in new and existing buildings, refrigeration updates, applications including data centers, laboratories, healthcare facilities, the real cost of zero-energy design and other topics related to design, standards, codes and professional skills. Nearly all of the technical program sessions will be approved for NY PDHs and by USGBC for GBCI CE hours for LEED professionals. The Las Vegas Virtual Conference, included with paid attendees' registrations, will be available to non-attendees.

Six Professional Development Seminars and 14 Short Courses are offered to help industry professionals stay up-to-date on industry trends. ALI offers a new course on building energy modeling that focuses on HVAC&R systems and updates to courses covering Standards 62.1 and 90.1 to reflect changes in the 2010 versions of these standards from previous versions.

Additionally, ASHRAE continues to listen to the market and launches a sixth certification program in conjunction with the 2011 Winter Conference. This new program targets Energy Assessors/Energy Auditors and is appropriate for those individuals who perform energy assessments or audits for commercial, industrial or residential buildings. More information can be found at www.ashrae.org/certification.

This winter's technical tours spotlight how technology developed by ASHRAE members is practically applied to buildings and include the central plant at Planet Hollywood and MGM Center and Springs Preserve.

When members are not attending courses at the Conference, observing the technological advancements featured at the AHR Expo or touring the local sustainable buildings there are numerous general tours such as Hoover Dam, Springs Preserve, the Venetian Grand Canal Shoppes, the Bodies and Titanic exhibits and the Las Vegas Strip.

Those who take part in the early-bird registration before December 31 have the opportunity to save up to \$195. Complete information is available at www.ashrae.org/lasvegas.

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