



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon June 1/2009

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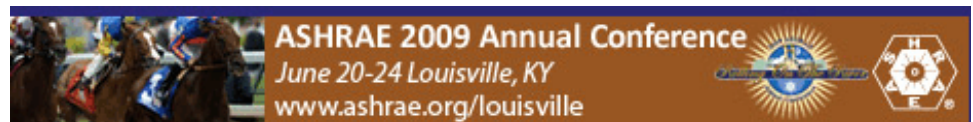
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Mon June 1/2009

ASHRAE London Golf Tournament

FOREST CITY NATIONAL
16540 Robin Hill Road
London

Diner after the tournament





President's Message:

The Annual ASHRAE London Golf Tournament approaches – June 1st is just around the corner.

Only one more week to secure a place in the big day, as there were only a few foursomes left available as of the Board of Governors Meeting last week. Make sure to get your registration and payment to Hugh Palser at Palser Enterprises. To those of you that already have, we thank you.

This year's tournament promises to be another good one to attend. Forest City National Golf Club is always a very well kept course, and makes it an enjoyable day for all.

Our Chapter has had a very successful year this year – with the creation of the UWO Student Branch, and our meeting attendance has shown some good growth.

The local economy has taken some hits, but our local industry has generally held its own, and there appears to be some good growth on the horizon.

Despite all of the "doom & gloom", our chapter membership numbers have been hanging in there, and we would like to see that trend continue.

Our monthly meetings have been held at the Lamplighter Inn on Wellington Road for the past few years, and we have entertained suggestions requesting that we should maybe look at other venues for our meetings to be held at.

We would welcome any and all suggestions for prospective locations to consider for the 2009/2010 program – starting in September.

We are looking to develop a stable long term picture for our local ASHRAE Chapter on the Board of Governors, and are looking for some new faces to slowly work their way onto the Chapter Executive.

Initially, the new people would be expected to assist the current chair people in their respective areas, and to help to transition into the different chair positions in another year's time as the current board members move up into their next positions.

With a few new faces, the chapter will flourish and grow, and our future as an organization will be assured. Anyone interesting in participating in the future of the ASHRAE London Chapter should speak to or feel free to contact anyone on the executive.

Looking forward to seeing you all out at our Golf Tournament on June 1st

Eric Shaw
ASHRAE London Canada Chapter President



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Student Sponsorship

ASHRAE London has a tradition of supporting students interested in attending one of our two student nights held annually. A special thanks to those members companies who supported a student in both our November and March student nights. These member companies include:

Aquatech Sales
Baymar Supply Ltd.
Chorley & Bisset Ltd. (2)
Durell Controls
EH Price Ltd
HTS Engineering (2)
Johnson Controls (2)
Pollard Engineering Inc
Somers Environmental
Trane Sales Agency (London)
Union Gas Ltd (2)

Due to an extraordinarily large turnout to both events we are still looking for corporate sponsors. Those interested in sponsoring a student to support the local chapter are encouraged to contact Jack Maynard.

Jack Maynard

ASHRAE London Chapter Treasurer

April 27/2009 Meeting Summary

ASHRAE London has a tour of the facilities at Casco Inc. including the 3 cogen units used to provide electrical power and steam to the plant. Recently installed equipment include dehumidification hvac equipment to remove moisture to material to prepare it for manufacturing.



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ASHRAE 2009 Annual Conference



[www.ashrae.org
/louisville.](http://www.ashrae.org/louisville)



June 20-24
Louisville
Kentucky



ASHRAE Rolls into Louisville for 2009 Annual Conference

The pounding hoof beats into the final turn. Ice tinkles in the glass of a frosted mint julep. The plaintive echoes of rivercraft are heard as they signal the drawbridge. These are the sights and sounds of Louisville.....the home of ASHRAE's 2009 Annual Conference.

"Rolling on the River serves as the conference theme and echoes ASHRAE's mission," Bill Harrison, ASHRAE president, said. "A steady flow of rapidly advancing standards and research, both complimented by our technical and educational program, will enhance ASHRAE's ability to drive the ongoing transformation to a more sustainable built environment."

The ASHRAE Annual Conference takes place June 20-24. To register or for more information, visit www.ashrae.org/louisville. Most events take place at the waterfront Galt House Hotel.

The ASHRAE technical program, with nearly 100 sessions, focuses on optimal indoor air quality. It begins Sunday, June 21, and ends Wednesday, June 24, with all sessions at the Galt House. Complete program details will soon be available at www.ashrae.org/louisville. The technical program features a large building systems track that begins with an introduction to large buildings and addresses sustainable large building design, energy modeling, smoke control and specifically indoor sports facilities, entertainment venues, and museums and libraries. Other tracks with multiple programs include systems and equipment, indoor air quality, exergy and sustain ability.

The conference keynote speaker is Susan Roaf, professor of architectural engineering at Heriot Watt University, Edinburgh. Roaf's thought-provoking comments include a range of building- and climate-related risks that individuals will face in the future along with a range of actions that homeowners and legislators can take to future-proof lifestyles against the growing challenges of the 21st century. She speaks at the Plenary Session on Saturday and the technical plenary on Sunday.

The ASHRAE Learning Institute offers two full-day professional development seminars and four half-day short courses, focusing on a range of HVAC&R related topics. New sessions include Data Center Energy Efficiency and Air-to-Air Energy Recovery Systems. ASHRAE's Standard 90.1 course has been revamped to focus on using the standard to meet LEED and federal tax credit requirements.

ASHRAE also launches its newest certification program – Commissioning Process Management Professional. The certification recognizes that those who manage the commissioning process need to have people- and project-management skills in addition to knowledge of building design, construction, operations and maintenance. For more information, visit www.ashrae.org/cmpm.

ASHRAE technical tours offer an inside view of how technology developed by members is practically applied in building environments. Tours include the central steam and chilled water plant at Louisville Medical Center, an HVAC system for a Class 100/1000 cleanroom at the University of Louisville, the CMTA Corporate Headquarters Building, and the Scribner Place YMCA and Aquatic Center.

In addition, ASHRAE President-Elect Gordon Holness, P.E., Fellow ASHRAE, Life Member, a consulting engineer and chairman emeritus, Albert Kahn Associates Inc., Detroit, Mich., takes office as 2008-09 president. Holness presents his inaugural address at the president's luncheon on Monday, June 22, focused on energy efficiency in existing buildings.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.



ASHRAE Funds Research into Keeping Kitchen Staff Cool and Comfortable

ATLANTA – As the old saying goes, “if you can’t stand the heat, get out of the kitchen.” But for the 12.2 million people in the United States employed in the restaurant industry, getting out of the kitchen is not an option.

Seeking to provide a cool and comfortable working environment for those kitchen workers, ASHRAE is funding research in thermal comfort in commercial kitchens.

A 2005 report by the Restaurant Opportunities Center of New York and the New York City Restaurant Industry Coalition found that “nearly half of the 530 workers surveyed reported that it gets unsafely hot in the kitchen where they work.”

“Understanding thermal comfort in commercial kitchens is paramount to understanding and providing a controlled and comfortable environment for kitchen workers,” said Greg Duchane, a member of ASHRAE’s technical committee 5.10 on kitchen ventilation that is overseeing the project and manager of retail market sales, Trane Commercial Systems. “This research can be used by engineers and kitchen consultants in designing HVAC systems and in the operation of restaurants. It will give us more accurate understanding of employee comfort and how employees are impacted by heat loads.”

The research will include walk-in surveys and on-site data collections of operational commercial kitchens in selected cities across the United States.

ASHRAE is accepting proposals on this and 16 other proposed research projects. Submissions are due May 18, 2009. For more information, visit www.ashrae.org/research.

The projects are scheduled to begin Sept. 1, 2009. Projects are:

1339-RFP, Selection of Desiccant Equipment at Altitude, sponsoring technical committee: TC 8.12, Desiccant Dehumidification Equipment and Components

1369-TRP, Design Guidelines to Prevent Snow Causing Shutdown of HVAC Systems, TC 5.2, Duct Design

1385-TRP, Development of Design Tools for Surface Water Heat Pump Systems (SWHP), TC 6.8, Geothermal Energy Utilization

1404-TRP, Measurement, Modeling, Analysis and Reporting Protocols for Short-term M&V of Whole Building Energy Performance, TC 4.7, Energy Calculations

1409-TRP, Stability of Candidate Lubricants for CO₂ Refrigeration, TC 3.2, System Chemistry

1413-TRP, Developing Standard Procedures for Filling Climatic Data Gaps for Use in Building Performance Monitoring and Analysis, TC 4.2, Climatic Information

1415-TRP, Thermal and Lighting Performance Metrics of Tubular Daylighting Devices, TC 4.5, Fenestration

1420-TRP, Inlet and Discharge Installation Effects on Airfoil (AF) Centrifugal PLENUM/PLUG Fans for Air and Sound Performance, TC 5.1, Fans

1448-TRP, Ventilation Requirements for Refrigerating Machinery Rooms, TC 4.3 - Ventilation Requirements & Infiltration

1467-TRP, Balancing Latent Heat Load Between Display Cases and Store Comfort Cooling, TC 10.7, Commercial Food Display and Storage Equipment

1469-TRP, Thermal Comfort in Commercial Kitchens, TC 5.10, Kitchen Ventilation

1478-TRP, Measuring Air-tightness of Mid- and High-Rise Non-residential Buildings, TC 4.3, Ventilation Requirements and Infiltration

1507-TRP, Binary Refrigerant Flame Boundary Concentrations, TC 3.1, Refrigerants and Secondary Coolants

1512-TRP, CFD Resource Decisions in Particle Transport Modeling, TC 4.10, Indoor Environmental Modeling

1515-TRP, Thermal and Air Quality Acceptability in Buildings that Reduce Energy by Reducing Minimum Airflow from Overhead Diffusers, TC 2.1, Physiology and Human Comfort

1522-TRP, Establishment of Design Procedures to Predict Room Airflow Requirements in Partially Mixed Room Air Distribution Systems, TC 5.3, Room Air Distribution

1544-TRP, Establishing Benchmark Levels and Patterns of Commercial Building Hot Water Use, TC 6.6, Service Water Systems

ASHRAE Publishes Risk Management Guideline

ATLANTA – A new guideline from ASHRAE will assist building owners and managers in analyzing what measures should be put in place to protect occupants and property from extraordinary events. These include natural (fire, storm), accidental (transportation or building mishaps) or intentional (arson, terrorism).

ASHRAE Guideline 29-2009, Guideline for the Risk Management of Public Health and Safety in Buildings, provides guidance for the practical evaluation, design and implementation of measures to reduce multiple risks in new and existing buildings. The risks relate to fire, seismic events, chemical and biological releases, blasts and other extraordinary hazards.

“Guideline 29 is the first guidance document on building protection developed by an industry group consisting of a range of stakeholders including engineers, architects, contractors, building owners and others,” George Glavis, chair of the committee that wrote the guideline, said. “It provides a flexible approach to risk assessment for the range of health and safety hazards that may apply to any given building and thereby enables informed decision making.”

It addresses aspects of building performance that affect occupant health and safety, including egress; chemical, biological, and radiological protection; fire protection; smoke removal or purging; filtration; air quality; entrance paths for contaminants; and building envelopes.

The cost of ASHRAE Guideline 29-2009, Guideline for the Risk Management of Public Health and Safety in Buildings, is \$54 (\$46, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit at www.ashrae.org/bookstore.

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Coalition Looks to Producing High-Performance Federal Buildings

WASHINGTON, D.C. - As Congress looks toward measures to reduce energy use in federal buildings, the leadership of the High Performance Building Congressional Caucus Coalition has issued recommendations that would allow the widespread development of high-performance federal buildings.

The report, Producing High-Performance Federal Buildings, was developed at the request of Rep. Russ Carnahan, D- Mo., co-chair of the High-Performance Building Congressional Caucus, by the leadership of the High Performance Building Congressional Caucus Coalition, which works to heighten awareness and inform policymakers about the major impact buildings have on health, safety and welfare.

The report is being issued to other High-Performance Building Congressional Caucus members as well as other relevant Congressional offices.

"These recommendations, if implemented through upcoming energy legislation, will provide an effective transition to reduced energy consumption, enhanced sustainability, improved building operation and maintenance, and more efficient use of national resources in the federal building stock," said Doug Read, program director of government affairs for the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), and chair of the Coalition.

The recommendations include:

- Require true life-cycle analysis and decision-making for the acquisition of federal buildings
- Require total building commissioning for the federal building stock
- Require integrated project delivery, including whole building design, procurement and construction for federal buildings
- Require building information modeling and support building data interoperability for federal buildings
- Require comprehensive education and training and higher levels of competence in the federal building design, property management, operations and maintenance, and procurement communities
- Require the collection, storage, dissemination and utilization for federal building performance data

More information on the Coalition and a copy of the report can be found at www.hpbccc.org.

The High-Performance Buildings Congressional Caucus Coalition (HPBCCC) is a private-sector coalition providing guidance and support to the High-Performance Building Caucus of the U.S. Congress. The High-Performance Buildings Congressional Caucus Coalition will work with the Congressional Caucus to promote and showcase best practices in building design and focus on issues reflecting all aspects of high-performance buildings including: accessibility, aesthetics, cost-effectiveness, functionality, historic preservation, productivity, safety and security, and sustainability.

ASHRAE Appoints First DOE Building Energy Codes Fellow

ATLANTA – The American Society of Heating, Refrigerating and Air-Conditioning Engineers has appointed its first Building Energy Codes ASHRAE Fellow in partnership with the Department of Energy. The new Fellow, Mike Erbesfeld, will assist the DOE in assessing the impact of updating state energy codes to meet the 2010 version of ANSI/ASHRAE/IESNA Standard 90.1.

"The fellowship is valuable in that I get to bring my industry perspective to the federal government, where I can illustrate the obstacles and pitfalls on the path to net-zero-energy buildings, says Erbesfeld. "At the same time, this collaboration will hopefully ease the communication among owners, designers and building code officials, creating a more efficient and streamlined process from design to certificate of occupancy."

Erbesfeld will be placed in the DOE's Office of Building Technologies, Building Energy Codes Program. He will analyze energy code updates based on EnergyPlus analysis of benchmark buildings and cost databases, as well as perform compliance testing of COMcheck using benchmark buildings and recommend program and front end changes to simplify COMcheck use. COMcheck is a software program from the DOE that simplifies energy code compliance by offering a flexible computer-based alternative to manual calculations.

Erbesfeld's most recent role was as an ASHRAE Congressional Fellow in the office of Sen. Diane Feinstein, where he worked on legislative efforts that included tax credits and deductions to assist homeowners and businesses make energy efficient improvements and with HUD to ensure that their energy efficiency mortgage (EEM) program was utilized to its full potential.

He graduated from the University of Miami, Miami, Fla., with a master's degree in mechanical engineering.

ASHRAE launched its Washington Fellow program in 2007 to allow participants to work in the federal government in a technical advisory role for limited terms. The Society is accepting applications for additional DOE ASHRAE Fellows. For more information on the program, contact Doug Read, ASHRAE Program Director of Government Affairs, at dread@ashrae.org or (202) 833-1830.

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LONDON AND AREA
ASHRAE GOLF TOURNAMENT

JUNE 1, 2009

Time:

10:00 – 11:15 am Registration in the Clubhouse.

11:15 am Instructions and Rules of the Day

11:30 pm Shotgun Start
Scramble

Bag Lunch

Please bring prizes and money owing to the registration table. Mulligans will be sold for \$5.00 each or 5 for \$20.00. Proceeds to ASHRAE Research.

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