



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon March 31/2008

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TOPIC:

GLOBAL WARMING
DIFFERING PERSPECTIVES

MR VICTOR GOLDSCHMIDT
Ashrae Distinguished Lecturer
Professor Emeritus, Purdue University
School of Mechanical Engineering
Northport, MI

Meeting - Mon March 31/2008

THE LAMPLIGHTER INN, 591 Wellington Rd., London

London Chapter Members = \$25.00
Students = \$10.00 Others = \$35.00

MEMBERSHIP NIGHT

CASH BAR ALL YOU CAN EAT BUFFET
5:15-Social 6:00-Dinner 7:15-Program





President's Message

With less than 2 months left until the 2007-2008 (Annual) ASHRAE London Chapter Golf Tournament coming on June 2nd , and the departure of the wintery weather that we have all likely had enough of, our thoughts are turning to warmer conditions, and maybe even the coming "Predicted HOT" summer that is just around the corner.

Our meeting this month is a very special one, as we are welcoming Victor Goldschmidt, who is an ASHRAE Distinguished Lecturer to speak on Differing Perspectives into Global Warming.

I personally had the opportunity to hear Victor speak on this topic at the Region II CRC in August of 2007, and it was a very enlightening presentation – one that definitely will make you re-think the whole Global Warming and Greenhouse Gas problem as has been presented by industry and government.

We will also have a guest from the Hamilton ASHRAE Chapter on hand to help Victor –David Underwood from Isotherm Engineering, a former ASHRAE Region II Director at Large, and recently awarded the Fellow-ASHRAE designation – to add to the mix, as he and Victor definitely work the subject well together.

In April, for our Annual ASHRAE Technical Tour, we have arranged to visit the first LEED Green Building built in London - "The Sisters of St. Joseph's" Residence at Richmond Street and Windermere Road – the highlights of the tour will be to see the changes to building, systems, and controls that have helped the building to achieve a LEED-Gold candidate facility rating.

Looking forward to seeing you all at the March meeting

Eric Shaw
ASHRAE London Canada Chapter Vice President

Upcoming Meetings & Events

Wed April 16, 2008 Chapter Technology Transfer Committee Satellite Broadcast/Webcast
The broadcast will focus on "Integrated Building Design."

ASHRAE London has arranged to have room at **Univ of Western** to host students and members who wish to review the presentation. **Spencer Engineering Building Room 3109 1:00-4:00pm**

Mon April 28, 2008


Building Tour
SISTERS OF ST. JOSEPH'S
1st LEED project in London

* watch for April email and newsletter about time and location information

Mon June 2, 2008

ASHRAE London Golf Tournament
see page in this newsletter *** payment must be received before May 15 ****

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Branch Manager



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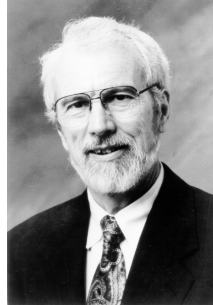
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Speakers Bio

VICTOR W. GOLDSCHMIDT, Ph.D.

Professor Emeritus, Purdue University
School of Mechanical Engineering
Northport, MI



Victor W. Goldschmidt, Emeritus Mechanical Engineering
Professor, served at Purdue University from 1964 through
2000. He is currently serving as a Leelanau Township
Trustee and Planning Commissioner as well as a facilitator
and engineering consultant.

During his 36 years at Purdue University, Mr. Goldschmidt was responsible for
educating mechanical engineering students, including the direction of graduate
research in the HVAC area. Most of his service with graduate students was with
the Ray W. Herrick Laboratories with heavy support from the HVAC industries.
During early stages of his career, he served as Director of the Engineering Purdue
Fellows in Latin America; during later stages he served as department head for
Freshman Engineering. Prior to his academic involvement, he worked in
Applications Engineering and Development Engineering with Honeywell.

Mr. Goldschmidt has taught almost every course in thermal sciences offered at
Purdue, as well as a special upper level technical course on the "Creative Process
in Engineering." He is trained as a Synectics (special brainstorming) facilitator and
is currently engaged in the development of strategic plans and problem solving
sessions.

A past ASHRAE Director-at-Large, he also has served as a member of Publishing
and Technology Councils. He is an ASHRAE Distinguished Service Award
recipient and Fellow, as well as Honorary Member of IIR, ACAIRE, ASURVAC and
AAF. He resides in North Michigan, above Traverse City.

Victor will be doing a lunchtime presentation to UWO students on Mon March 31st
(UWO Weldon Library Room # 258 for those interested in this lunch time
presentation)

Chapter Meeting

Differing Perspectives Into Ozone Depletion and Global Warming

This lecture is intended to provide a different perspective to the usual formal
presentation on these topics. It was the consequence of attempting to analyze the
available data to demonstrate the reality of ozone depletion and global warming.
Unfortunately, the analysis led to the conclusion that the only reality is in the
uncertainties in these areas. Data demonstrating the ozone depletion and global
warming trends are summarized and the common understanding of terminology
such as ODP and GWP is presented. The lecture ends with a listing of
assumptions and aspects of the data that could raise questions as to the validity
of the implied trends.

Feb 2008 Meeting Summary

CDF Analysis in HVACR Applications
by Paul MacDonald, ANSYS Inc

Mr MacDonald spoke about performing computer simulations and how setting up
parameters and inputs can effect results. Sample of software applications and
how to investigate methods and problem solving skills were shown.

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ASHRAE London New Student Members

The ASHRAE London chapter arranges for 3rd and 4th year UWO students to obtain an membership in ASHRAE. This is possible by using membership fees and corporate donors. Thanks to you the following students have recent received new ASHRAE memberships:

Arman Shahabi

Mike Mosnier

Scott Ralph

Robert Kennedy

*Andrew Villarico

Ping Kwan Li

*Mohamed Loulou

Di Yuan

Adam Anderson

Maurice Pommerville

Seyed Mohammad Hashemi Karouie

Basem Ismail

*Eric Kazuo Sakauye

*Daniel Taylor

*Ali Voureddin

*John Freeman

*Hassan Qadri

*Nawaz Alam

*Muhammad Fahim

*Suhail

*The ones with a star were able to attend the January meeting.

If you happen to see a student at the chapter meetings, be sure to say hello and welcome them.

ASHRAE Course Before CMX/CIPHEX

Wednesday, March 26, 2008 9:30 a.m. – 4:30 p.m. EDT

Metro Toronto Convention Center, 255 Front Street West, Toronto, Ontario

ASHRAE will present, in conjunction with CMX/CIPHEX 2008, the ASHRAE Learning Institute Seminar, The Commissioning Process in New and Existing Buildings.

Seminar Summary: Learn the fundamentals of the commissioning process through each step of a new construction project from pre-design to occupancy and operations. Attendees will become familiar with the benefits of commissioning and gain an appreciation for how the process can improve the built environment, reduce environmental impacts through responsible resource utilization, improve the quality of design and construction, and raise the professional reputation of the entire commissioning team. Attendees will discuss the documentation that is created during the process, including specifying commissioning for new construction. Students will take away compelling information and case studies that demonstrate the value of investing in the commissioning process.

Who should attend: Designers, Owners, Architects, Contractors, Operators, Code Officials

To learn More About the Seminar visit www.ashrae.org/education/page/1605

Free Download Available of ASHRAE Advanced Energy Design Guides

Rising energy costs and the increased global awareness of the potential impact of climate change continues to drive home the message that low-energy, environmentally responsible, high-performance buildings are the future of the built environment.

In my theme this year, I asked our membership to be more innovative in our thinking and to seek elegant solutions that will help to provide better performance in buildings.

As part of our effort to provide our members and the building community with the tools to achieve this vision of the future, ASHRAE has made its Advanced Energy Design Guide series of publications available as free electronic download products. The current guides, now with three publications, have provided 30 percent energy reduction guidance for the following types of buildings:

- Small retail buildings
- Small office buildings
- K-12 school buildings

Simply click on this link (www.ashrae.org/freeaedg) to go to the download page. If you would like something for your bookshelf, full color print copies may still be purchased from the ASHRAE bookstore accessible through the same link.

These free electronic books are being made available in partnership with the U.S. Department of Energy, the Illuminating Engineering Society of North America, the American Institute of Architects and the U.S. Green Building Council. ASHRAE also has sent free print copies of the Advanced Energy Design Guide for K-12 Schools to more than 14,000 school systems in the United States as part of the Society's effort to advance energy efficiency in schools.

We are also working on a new Advanced Energy Guide for Existing Buildings that will help building owners and managers achieve at least 30 percent energy savings in existing buildings. Our next step is to progress to the 50 percent energy reduction guides starting later this year. After the 50 percent series, we will progress straight to net-zero energy building guidance.

ASHRAE's intent is to ensure that design teams can readily use this valuable information. I hope you find these guides useful tools in your work as a building design, construction and management professional.

Thank you,

Kent Peterson, P.E., Fellow ASHRAE

ASHRAE President 2007-08



ASHRAE '08: Reaching New Heights

Major announcements at ASHRAE's 2008 Winter Meeting included free electronic distribution of the Advanced Energy Design Guide series, publication of the 2007 energy conservation standard from ASHRAE and IESNA, and signing of memorandums of understanding with the Brazil Green Building Council and the Building Owners and Managers Association.

More than 2,700 people attended the meeting, held Jan. 19-23, New York City. Held in conjunction with the meeting was the Air Conditioning, Heating, Refrigerating Exposition, which set a new attendance record with 39,298 registered visitors (excluding exhibitors). Records for a Northeast HVAC&R event also were set with total number of exhibitors of 1,885 and square footage of exhibit space of 363, 505.

Centered on the theme Reaching New Heights, a nod to the skyscraper skyline of New York City, the ASHRAE meeting offered a technical program with more than 130 sessions, 21 educational courses and social events. The meeting also featured more than 500 meetings of technical, standards and standing committees, developing guidance for the future of the industry and ASHRAE.

"ASHRAE hit new heights at this meeting in regard to driving the industry forward through our distribution of technical information, educational offerings and networking opportunities," ASHRAE President Kent Peterson said. "Being surrounded by the thousands of buildings in New York City was a great reminder that ASHRAE and our industry must truly aim to reach new heights in creating high performing buildings. The accomplishments at this meeting certainly helped move us along the sustainability path."

At the meeting, President Peterson debuted a new video that highlights how existing design and technology can be used in creating net-zero-energy buildings. The video and his state-of-the-Society address can be found at www.ashrae.org/peterson.

"Since we last met in June, oil has hit the \$100-per-barrel milestone," he said in his speech. "As you recall, we were concerned in 2004 when the price of oil roughly doubled in a year to \$55 per barrel. Rising energy costs and the increased global awareness of the potential impact of climate change continues to drive home the message that low-energy, environmentally responsible, high-performance buildings are the future."

Meeting highlights include the technical program, with its theme of Reaching New Heights in Net-Zero Energy Design, featuring more than 130 sessions with presentation of 59 papers. The most well-attended sessions dealt with net-zero-energy design, exergy, designing for mold and dehumidification avoidance and energy efficient datacom facilities.

Top best-selling books at the ASHRAE Bookstore included the 2007 version of Standard 90.1, the Handbook CD+, the Spanish Pocket Guide and the new Advanced Energy Design Guide for K-12 Schools.

More than 900 people attended the ASHRAE Learning Institute's seven Professional Development Seminars and 14 short courses. The most popular courses dealt with health care, Standard 62.1 and natural ventilation.

ASHRAE and BOMA International Sign Memorandum of Understanding

Partnership will promote mutual interests of engineering and building operations and management

ASHRAE and the Building Owners and Managers Association (BOMA) International are pleased to announce the signing of a Memorandum of Understanding (MOU) in recognition of shared technical interests to foster superior building performance. Both organizations will work together to achieving, among others, the following goals:

- Identify opportunities for shared operation services

- Identify opportunities to collaborate on product development, and to give presentations at each other's conferences

- Where mutually beneficial, jointly promote educational programs to members and jointly identify, create and identify new products and services

- Encourage continuing dialogue between ASHRAE and BOMA at national, regional and local levels on issues of importance to engineers and building professionals

- Encourage collaborative and cooperative activities to promote continuing professional development

- BOMA and ASHRAE commit to support each other and fully participate in standard development areas, initially centering around ASHRAE standards 62.1, 90.1, 180P and 189.1P working within the ANSI consensus standards development process.

"We are pleased to collaborate with ASHRAE and work toward our shared goal of promoting superior building performance," said BOMA International Chairman and Chief Elected Officer Brenna S. Walraven, RPA, CPM, executive managing director, national property management, USAA Real Estate Company. "ASHRAE and BOMA are on the forefront of developing standards that significantly impact building owners and managers, and we look forward to working more closely with them on these matters."

"BOMA and ASHRAE share many of the same objectives and we are excited to strengthen our relationship" says ASHRAE President Kent Peterson, P.E., vice president and chief engineer of P2S Engineering. "We are all working toward optimal performance of both new and existing buildings and this partnership will be beneficial for both ASHRAE and BOMA members."

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.

2008
LONDON & AREA ASHRAE
GOLF TOURNAMENT

DATE: MONDAY JUNE 2, 2008

PLACE: FOREST CITY NATIONAL
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DINNER ONLY.....\$45.00

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