



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

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon Feb 23/2015

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Topic

EXAMINATION OF STANDARD 189.1-2014 GREEN BUILDING DESIGN AND INTEGRATED DESIGN APPROACH

Speaker

David Underwood P.Eng

ASHRAE President-Elect
ASHRAE Fellow

Meeting - Mon Feb 23/2015

Student Night

5:15 pm Social
6:15pm Dinner
7:15pm Speaker

ASHRAE Member/Guest \$50.00
Student Non-Member \$10.00

ADVANCED PAYMENT BEFORE MEETING
by using PAYPAL
use the chapter web site to register and pay
<http://LondonCanada.AshraeChapters.org>

location:

IVEY SPENCER LEADERSHIP CENTRE

551 Windermere Road
London, Ont

Presidents Message

I would like to start off by thanking **Mr. Victor Goldschmidt** for being our distinguished lecture Speaker last month. The lecture was very informative and we received great feedback from all chapter members and guests.

The theme for our February chapter meeting will be **Student Night**. Our Distinguished Lecture Speaker this month is **Mr. David Underwood**, P.Eng. Society President-Elect, Fellow Life Member, ASHRAE Certified Commissioning Process Management Professional. David will be speaking in regards to **"Examination of Standard 189.1-2014 Green Building Design and Integrated Design Approach"**. The meeting will be held at **Ivey Spencer Leadership Centre** located at 551 Windermere Road London. Moreover Mr. Underwood will be visiting our **Western University Student Chapter** and will be speaking to the students about "Student Career in ASHRAE"

Attendance at the recent **2015 ASHRAE Winter Conference and 2015 AHR Expo** exceeded expectations with record numbers for both. The ASHRAE Winter Conference was held **January 24-28**, the AHR Expo was held **January 26-28**, both in Chicago. ASHRAE broke records for attendance at a Winter Conference with **3,018** attendees. Attendance this year was higher than the each of the past six Winter Conferences, except for the 2011 conference in Las Vegas. Attendees came from more than **60 countries**. The 2015 AHR Expo was the best-attended event ever held in Chicago. Preliminary figures show that more than **61,000** total attendees, including **42,400** visitors, took part in the Show. In addition, the 2015 Show tallied records for net square footage of exhibit space, with more than **480,000** ft² occupied. Also, record highs were achieved for number of exhibiting companies (**2,100**) and number of international exhibitors (**592**).

The **Upper Thames River Conservation Authority** has invited me to their AGM meeting on **February 19th** to present the project winning entrants and building owner with award plaques on their selection as a **"Second Place Winner"** of an **"ASHRAE Technology Award"** in the other Institutional Buildings – New Category. The ASHRAE Technology Award Program recognizes outstanding achievement in the design and operation of energy efficient buildings. The building will be featured in the March 2015 issue of the ASHRAE Journal.....**Congratulations to Upper Thames River Conservation Authority staff and all project participants.**

On **April 23rd 1-4 PM EDT**, our chapter will be hosting the **2015 ASHRAE Webcast** on **"New Tomorrows for Today's Building: Existing Building Commissioning"**. This webcast will feature industry experts who will define the benefits of existing building commissioning for the environment, occupants, operations staff, and overall ownership costs. Viewers will be able to recognize the varied scopes of commissioning, when to apply comprehensive versus focused commissioning, and best practices in existing building commissioning specifications & contracting. The webcast program will be hosted at **Baymar Supply London Office, 521 Consortium Court**, London. There will be a **BBQ lunch** served from **12 – 1 PM**. Watch our local ASHARE London website (<http://londoncanada.ashraechapters.org>) for more information about the program, speakers, and registration.

I look forward to seeing you all at our upcoming chapter meetings. If you know someone who would be interested in attending this talk please ask them to come out to help support the local chapter.

Thank you.
Ibrahim M. Semhat
Chapter President 2014/2015
ASHRAE London Canada Chapter



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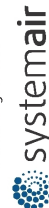
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RESEARCH

The London Canada Chapter Board has contributed to ASHRAE Reserach - Have You ???

Our 2014-2015 Research Promotion is underway. Our Chapter is a global RP leader: consistently placing among the top chapters by contributions per member. This year we are on track to meet our target. We have raised \$2,015 to date toward our goal of \$12,500. Our Board is leading the way with a phenomenal Full Circle contribution. We tripled the requirement for that milestone.

As we continue through the year please feel free to contact John Freeman or myself if you have any questions about the Campaign. We will be in touch with each of you as Research Promotion is the essence of ASHRAE; it keeps our engine running. Thank you for your amazing support and have a terrific 2015.

Jamie Kruspel and John Freeman
 Research Co-Chairs 2014/2015
 ASHRAE London Chapter

Upcoming Chapter Meetings

Mar 23/2015

April 23/2015 - ASHRAE WEBCAST, Retro-commissioning and the Life Cycle Cost Analysis

June 1/2015 - Golf Tournament

Other Meetings

Jan 24 to 28, 2015 = ASHRAE Winter Conference - Chicago, IL
 June 27 to July 1, 2015 = ASHRAE Annual Conference - Atlanta, GA
 Jan 23 to 27, 2016 = ASHRAE Winter Conference - Orlando, FL
 Jun 25 to 29, 2016 = ASHRAE Annual Conference - St. Louis, MO
 Jan 28 to Feb 1, 2017 = ASHRAE Winter Conference - Las Vegas, NV

Professional Engineers London london.peo.on.ca

National Engineering Month (NEM) 2015 Events:

Kickoff Luncheon: Monday March 2, 2015 at London Hilton from 11:00 am-2:00 pm

Labatt's Brewery Tour: Thursday March 5, 2015, 6:30 – 9:00 pm (Guest speaker: Scott Durnin, P.Eng.)

WindEEE Dome Tour: March 19, 2015, 3:00 pm – 4:00 pm

Woman in Engineering: Thursday March 26, 2015 at Garlcs restaurant at 7:00 pm

(Guest Speaker: Marisa Sterling, P.Eng.)

London Children Museum Engineering Activities: March 28th, 11:00 am – 2:00 pm

EIT Information Night: Tuesday March 31, 2015 5:30 pm, Western University, Spencer

Engineering Building Room 2202

Advanced Course on Building Recommissioning (RCx)

CanmetENERGY course includes 3.5 days of training followed by a half-day exam (optional).

WHEN: March 10-13, 2015

WHERE: Hilton Garden Inn Toronto City Centre, Toronto, Ontario

COST: \$1,625

The course covers all stages of the RCx process: planning, investigation, implementation, hand-off and monitoring. The fundamental principles of building mechanical systems are also discussed. Moreover, best practices for testing and verification are reviewed, as are persistence strategies to be implemented by building operators. Appropriate energy monitoring interventions that can be carried out by third-party RCx service providers are also covered. This course, developed by CanmetENERGY, is delivered by CIET Canada, the Canadian Institute for Energy Training specialized in high-quality energy management and energy efficiency training and certification programs. We invite you to visit CIET Canada's website for more information regarding the course and registration: <http://cietcanada.com/events/advanced-course-building-recommissioning/>



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SPEAKER BIO

David Underwood P.Eng

ASHRAE President-Elect

David Underwood, P.Eng., Fellow Life Member, ASHRAE Certified Commissioning Process Management Professional, is retired and resides in Oakville, Ontario, Canada. David Underwood has served ASHRAE for many years at the chapter, region and society level.

Mr. Underwood founded Isotherm Engineering Ltd. in 1975. The corporation is still active in the HVAC&R industry. He was a volunteer Board member of ORAC (The Ontario Refrigeration and Air Conditioning Contractors Association) for many years and served in all executive positions.

"Serving on the Board of Directors affords the opportunity to view and review our activities from the perspective of the whole membership," he said, speaking about the greatest opportunity facing ASHRAE. "With this opportunity comes great responsibility to rationally debate the issues among the Board members to seek the best solutions for our collective membership. The greatest opportunity and possibly the greatest challenge is to engage the grassroots member with the same passion and commitment of the Board for the technical activities of the Society. It is our challenge to excite the whole membership with our commitment to our industry and our future in it."

Other service includes member of the Toronto Chapter Board of Governors and Honors and Awards Committee and liaison to the Building Energy Quotient Ad Hoc Committee. He formerly served as director at large on the Board of Directors; a member of the Planning Committee and Foundation Trustees; and chair of the Commissioning Process Management Professional certification subcommittee.

He has received the Exceptional Service Award and the William J. Collins, Jr. Research Promotion Award.

He was awarded a Bachelor of Science in civil engineering from the University of Manitoba in 1964.

TOPIC

EXAMINATION OF STANDARD 189.1-2014 GREEN BUILDING DESIGN AND INTEGRATED DESIGN APPROACH

There will be a general overview given regarding the structure and design sections in the standard. After this has been completed the discussion will emphasize the need for an integrated design approach required to meet or exceed the minimum requirements of the standard.

The major discipline activities of Architect, Mechanical and Electrical Consultants will be discussed in a cooperative fashion with the aim of reaching for net zero energy/carbon design, using techniques, materials and methods dictated by economic conditions of today

ASHRAE Webcast - April 23/2015

New Tomorrows for Today's Buildings: Existing Building Commissioning

ASHRAE's upcoming webcast, titled New Tomorrows for Today's Buildings: Existing Building Commissioning, will broadcast live on **April 23, 2015, from 1:00 – 4:00 pm EDT**. This FREE webcast is brought to you by the Chapter Technology Transfer Committee.

"The presenters will distinguish between new building commissioning, existing building commissioning, and retro-commissioning," said Nathan Hart, Chair of the CTTC Webcast Ad Hoc Committee. "Viewers will learn how to manage the commissioning process to minimize the impact on building functions and occupants, and how to integrate elements of existing building commissioning into the operation and maintenance staff's daily activities. The focus will be on maximizing energy efficiency and ROI."

The webcast presenters are:

Bob Baker, OPMP, Fellow ASHRAE | Managing Director | BBJ Consulting | Riverview, FL
Jim Vallort, Fellow ASHRAE | Practice Leader | Environmental Systems Design Inc. | Chicago, IL
Ron Wilkinson, P.E., CPMP | Commissioning Authority | Glumac | Seattle, WA

Online registration for the webcast will begin on March 23, 2015

ASHRAE London Canada Chapter has arranged to view the webcast at **Baymar London office** with a lunch BBQ

National Engineering Month

What is National Engineering Month?

National Engineering Month is Canada's biggest celebration of engineering. Over 500 events take place across the country for young Canadians to learn about the exciting, fun and rewarding world of careers in engineering.

When is National Engineering Month?

Events take place throughout the month of March, hosted by the provincial and territorial engineering regulatory bodies.

Why is National Engineering Month important?

- It provides an opportunity for youth to learn about engineering
- It helps kids understand the various things they can do as engineers
- It can teach youth what it takes to become a professional engineer
- It helps to profile for youth the accomplishments of Canada's engineers

Who can get involved?

Parents, teachers, students, aspiring engineers and engineers themselves can get involved in National Engineering Month volunteer opportunities. Engineers who get involved can showcase the amazing work they do and Canada's youth will discover that anything's possible when it comes to engineering.

For more information about National Engineering Month, visit the National Engineering Month website. You can also contact Julia Semenchenko, Practice Lead – Community Engagement: Julia.Semenchenko@engineerscanada.ca

Green Building Initiative Recognizes ASHRAE for Their Four Green Globes Achievement

ATLANTA — Green Building Initiative (GBI), a nonprofit organization committed to accelerating the adoption of sustainable building practices and providers of the Green Globes® rating system, congratulates ASHRAE on achieving the highest rating, of four Green Globes, on their international headquarters.

Jerry Yudelson, Green Building Initiatives president, presented the rating system certificate to ASHRAE President Tom Phoenix during ASHRAE's 2015 Winter Conference held this week in Chicago, Illinois.

"ASHRAE represents the 'gold standard' for building energy efficiency standards. We're pleased that ASHRAE now stands at the pinnacle of achievement for green building, with the award of four Green Globes for its Atlanta headquarters building from the Green Building Initiative. Through a months-long process, GBI's Green Globes Assessor worked with ASHRAE staff to document the building's sustainable management practices. Only 3% of projects assessed by GBI achieve four Globes certification, so this recognition is a rare honor and a tribute to ASHRAE's enlightened building operations," said Yudelson.

Sustainable measures include ongoing benchmarking in ENERGYSTAR for energy and water consumption; energy audits through ASHRAE's Building Energy Quotient system; quarterly inspection and maintenance of systems containing ozone depleting substances; water audits for leaks and regular monitoring of recycling efforts and waste reduction and diversion rate.

"ASHRAE continues to analyze and support technologies and tools that help accelerate the transformation to a more sustainable built environment globally. As building sustainability rating systems gain more traction, they can guide building owners and operators, and the occupants they serve, on ways to create healthy indoor environments that also reduce the impact of buildings on outdoor environments. Sustainability rating systems complement consensus standards and progressive building codes as we continually advance building systems, designs and operations. We are delighted that our Headquarters building has earned the highest Green Globes rating to complement our original LEED Platinum rating," said Tom Phoenix, 2014-15 ASHRAE President.

ASHRAE ON-LINE COURSES <https://www.ashrae.org/education--certification/2015-spring-online-courses>

Commissioning Process & Standard 202 - Wed, March 25, 2015, 1:00 pm to 4:00 pm, EDT

Troubleshooting Humidity Control Problems IAQ Practices - Wed, March 11, 2015, 1:00 pm to 4:00 pm, EDT

Advanced High-Performance Building Design ES Practices - Mon, March 23, 2015, 1:00 pm to 4:00 pm, EDT

IT Equipment Design Evolution & Data Center Operation Optimization - Mon, March 30, 2015, 1:00 pm to 4:00 pm, EDT

Commercial Building Energy Audits - 2 Parts - April 22/27, 2015, 1:00 pm to 4:00 pm, EDT

Energy Modeling Best Practices and Applications ES Practices - 2 parts - April 29/May6, 2015, 1:00 pm to 4:00 pm, EDT

Fundamental & Applications of Standard 55-2013 IAQ Practices - Mon, March 9, 2015, 1:00 pm to 4:00 pm, EDT

Complying with Standard 90.1-2013: HVAC/Mechanical ES Practices - Wed, April 8, 2015, 1:00 pm to 4:00 pm, EDT

Fundamental Requirements of Standard 62.1-2013 IAQ Practices - Mon, April 13, 2015, 1:00 pm to 4:00 pm, EDT

Understanding Standard 189.1-2014 for High-Performance Green Buildings ES Practices - Mon, April 20, 2015, 1:00 pm to 4:00 pm, EDT

Complying with Standard 90.1-2013: Envelope/Lighting ES Practices - Mon, May 4, 2015, 1:00 pm to 4:00 pm, EDT

Exceeding Standard 90.1-2013 to Meet LEED Requirements ES Practices - Wed, May 13, 2015, 1:00 pm to 4:00 pm, EDT

New Tomorrows for Today's Buildings: Existing Building Commissioning

April 23, 2015 | 1–4pm EDT



www.ashrae.org/webcast



Thomas H. Phoenix,
P.E., FellowASHRAE,
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Robert G. Baker,
OPMP, Fellow
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James K. Vallort,
Fellow ASHRAE



Ronald J. Wilkinson,
P.E., CPMP

Earn PDHs!

Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).

