



# Airways

**Hamilton Chapter No. 037**

<http://www.vaxxine.com/ashrae/>

American Society of Heating, Refrigeration and Air Conditioning Engineers

Volume 50, No. 7

**Our 50th Year**

March 2009

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Monday, March 2, 2009  
**(Not the normal 2<sup>nd</sup> Tuesday)**

## **"Green Buildings, LEED and the (Proposed) ASHRAE Standard 189.1"**

The heating, ventilating, air-conditioning and refrigerating industry affects the public's quality of life in many ways, from indoor air quality, to conserving energy in buildings, to the development of refrigerants that do not harm the environment. As part of their outreach to the community, the ASHRAE Hamilton and Toronto Chapters are sponsoring a combined presentation on Green Buildings, LEED and the (Proposed) ASHRAE Standard 189.1.

### Feature Speaker

**Thomas M. Lawrence, Ph.D, P.E., LEED-AP**  
**Faculty of Engineering, University of Georgia**  
**ASHRAE Distinguished Lecturer**

Thomas M. Lawrence is a Public Service Associate with the University of Georgia and has over 25 years of professional experience in engineering and environmentally related fields.

**Please refer to the notice attached to this  
Airways bulletin for more details on the topic,  
the feature speaker and the location of this  
March 2<sup>nd</sup> special event.**

### **The Holiday Inn Oakville Centre**

**590 Argus Road, Oakville, ON L6J 3J3**

**5:00 pm – Social Hour**

**6:00 pm – Dinner**

**7:00 pm – Feature Speaker**

#### **Dinner/Feature Speaker**

*Hamilton Chapter Members - \$30.00 • Guests - \$45.00 • Students - \$15.00 • Meal Plan - \$150.00*

## President's Report

Our February meeting featured Ryan Shaw from Union Gas presenting the Ontario Power Authority – High Performance New Construction incentive program. Thank you very much, Ryan – we look forward to your next Chapter visit.

Please try to attend the March meeting which is scheduled for Monday, March 2<sup>nd</sup>, 2009 at the Holiday Inn Oakville Centre. We have planned a combined Hamilton—Toronto Chapter event featuring ASHRAE Distinguished Lecturer Dr. Thomas M, Lawrence. Dr. Lawrence will talk about proposed ASHRAE Standard 189.1 for High Performance Green Buildings. Please be sure to RSVP to Sabrina Tai at 905-602-4714 or stai@hrai.ca to confirm your attendance.

On April 14<sup>th</sup>, we return to our regular 2<sup>nd</sup> Tuesday meetings and have arranged a tour of a LEED certified building at McMaster University.

Reserve the afternoon of Thursday, October 22<sup>nd</sup> on your calendar. This date marks the 50th Anniversary of our ASHRAE Hamilton Chapter and we have arranged for incoming Society President Gordon Holness to join us for a special celebration and event. Gordon will be presenting the presidential theme "Energy Efficiency in Existing Buildings – Our Greatest Opportunity for a Sustainable Future."

Looking forward to seeing you all soon.

Best Regards,

*Terry Fowler, P. Eng., President 08/09*

## IAQ Satellite Broadcast/Webcast April 22, 2009

On Wednesday, April 22, 2009, ASHRAE's Chapter Technology Transfer Committee [CTTC] will present a satellite broadcast and simultaneous webcast "**Clean, Lean and Green – IAQ for Sustainable Buildings.**"

For more information, see the flyer attached to this Airways bulletin.

## Society President Bill Harrison's Message

Society President Bill Harrison's message, "Maintain to Sustain – Delivering ASHRAE's Sustainability Promise," is now available for download at [www.ashrae.org/cttc](http://www.ashrae.org/cttc). This presentation provides information to improve operational strategies to enhance building energy performance. After accessing the web page, scroll down to the Chapter Programs Section and it is the first link.

If you have any questions regarding this presentation or C.T.T.C. programs and activities, please contact [rdouglas@ashrae.org](mailto:rdouglas@ashrae.org).

*Submitted by Mike Krewski,  
C.T.T.C. / T.E.G.A. Chair 08/09*

## Milton W. Garland Commemorative Refrigeration Award for Project Excellence

This award is made to both the designer and owner of a non-comfort cooling refrigeration application that incorporates new technology in a unique manner. For more information about this award, please visit [www.ashrae.org/members/page/1692](http://www.ashrae.org/members/page/1692).

*Submitted by Mike Krewski,  
C.T.T.C. / T.E.G.A. Chair 08/09*

## ASHRAE News Releases

### ASHRAE Publishes Load Calculations Manual

ATLANTA – Guidance to help designers improve the performance and efficiency of design as it relates to load calculations is contained in a new book from ASHRAE.

### ASHRAE '09: Engineering Tomorrow . . . Today

ATLANTA – ASHRAE is moving right along in engineering tomorrow today through a proposed building energy labeling program and a proposed high-performance building standard, according to leaders at the Society's 2009 Winter Conference.

**Click to go to the ASHRAE  
Press Release web page**

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***Want to invite a special guest to an  
ASHRAE Hamilton Chapter meeting?***

**"Gold Cards" are available at a cost of \$150.00  
for a package of 4 cards.  
Equivalent to a "Guest" registration.**

If interested, contact an executive member.

## 2008 – 2009 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the Royal Hamilton Yacht Club, at the north end of McNab St., on the Hamilton Harbour (If you need a map, visit our web site). New products and/or services may be presented informally via a "technical session" or a "table top demonstration" prior to dinner. After dinner, the main topic of the evening is presented by the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Terry Fowler (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

<b>ASHRAE Hamilton Chapter Program Activity</b>			
<b>Date</b>	<b>Theme</b>	<b>Technical Session Table Top Demonstration</b>	<b>Feature Speaker</b>
March 2, 2009 (Not 2 <sup>nd</sup> Tuesday)	Integrated Building Design	none	Thomas Lawrence, Ph.D., P.E., LEED-AP <u>Faculty of Engineering, University of Georgia</u> <u>ASHRAE Distinguished Lecturer</u> <b>Integrated Building Design</b>
April 14, 2009	Student Membership	none	LEED Building Tour & Presentation McMaster University
May 12, 2009	C.T.T.C.	President's Message <b>SP180 - Maintain to Sustain</b>	Bill Harrison <b>Topic to be determined</b>
June 10, 2009 (Not 2 <sup>nd</sup> Tuesday)	Social/ Research	Peninsula Lakes (near Fonthill, ON) <b>Annual Golf Tournament</b>	
September 8, 2009	t.b.d.	t.b.d.	t.b.d.
October 22, 2009 (Not 2 <sup>nd</sup> Tuesday)	50 <sup>th</sup> Anniversary Celebration	none	Gordon Holness, P.E. <u>Albert Kahn Associates, Inc.</u> <u>ASHRAE Incoming President</u> <b>Energy Efficiency in Existing Buildings – Our Greatest Opportunity for a Sustainable Future</b>

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# ASHRAE TORONTO & HAMILTON

## Notice of Joint Meeting

**Date:** Monday March 2, 2009

**Venue:** Holiday Inn Oakville Centre

**Social Hour:** 5:00 PM

**Dinner:** 6:00 PM

**Presentation:** 7:00 PM

**Theme:** Combined Hamilton/Toronto Sustainability Night



**Thomas M. Lawrence**  
**Ph.D, P.E., LEED-AP**

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The heating, ventilating, air conditioning and refrigerating industry affects the public's quality of life in many ways, from indoor air quality, to conserving energy in buildings, to the development of refrigerants that do not harm the environment. As part of its outreach to the community, the Hamilton and Toronto Chapters of the American Society of Heating, Refrigerating and Air Conditioning Engineers is sponsoring a combined presentation on Green Buildings, LEED and the (Proposed) ASHRAE Standard 189.1 on March 2<sup>nd</sup>, 2009.

### **Dinner Speaker and Topic:**

"Green Buildings, LEED and the (Proposed) ASHRAE Standard 189.1" will be presented by ASHRAE Designated Lecturer Thomas M. Lawrence, Ph.D, P.E., LEED-AP, Faculty of Engineering, University of Georgia, an internationally recognized expert in the HVAC&R field.

Thomas M. Lawrence is a Public Service Associate with the University of Georgia, and has over 25 years of professional experience in engineering and environmentally related fields. Before going back for his Ph.D. in Mechanical Engineering at Purdue, he spent approximately 20 of those years in progressively more responsible engineering and management positions in industry and consulting. He will take over as Chair of ASHRAE Technical Committee 2.8, "Building Environmental Impact and Sustainability", in July of 2008 and is a member of the Special Project Committee 189 writing an ASHRAE standard on high-performance green buildings. Dr. Lawrence has presented papers on building energy usage and indoor air quality at conferences in the U.S. and Europe, and has published papers on sustainable design and energy usage in buildings in journals such as ASHRAE Journal, Solar Today, and Buildings and Environment. At the University of Georgia, Dr. Lawrence teaches or has taught courses in Building Environmental Control, Green Building Design, Industrial Ventilation,

Residential Building Design, Heat Transfer and Thermodynamics, and in these courses he works to bring in sustainable design concepts and practices. As part of the University of Georgia Engineering Outreach program, he is helping to coordinate building energy reduction activities within the state university system. Dr. Lawrence is also a consultant for Commissioning and Green Building Solutions in the Atlanta, Georgia area. He is an active volunteer with Habitat for Humanity, serving on the board of directors for the Athens, Georgia chapter while working to introduce sustainable design practices in the houses built there.

Dr. Lawrence has a B.S. with Highest Distinction honors in Environmental Science from Purdue University (1978), a M.S. in Mechanical Engineering from Oregon State University (1982) and a second M.S. degree in Engineering Management from Washington University earned in 1989. He received his Ph.D. in Mechanical Engineering from Purdue University in the spring of 2004 researching the impacts of demand-controlled ventilation on energy consumption and indoor air quality in smaller commercial buildings. Dr. Lawrence is a member of the American Society of Heating, Refrigeration and Air Conditioning Engineers; the American Society for Engineering Education and Phi Beta Kappa.

### **Dinner Location:**

Located at 590 Argus Road in Oakville just off the QEW/403 at Trafalgar Road, The Holiday Inn Oakville Centre was chosen for its central location to both Hamilton and Toronto Chapters.

Parking is available at no charge.

We ask that you pre-register at your earliest convenience at the ASHRAE chapter office (Sabrina Tai - 905 602 4714 or [stai@hrai.ca](mailto:stai@hrai.ca)).

Please indicate at time of registration if you have any specific meal requirements.

### **Registrations Fees**

\$30.00 for  
Hamilton Chapter Members (only)  
& Meal Plan applies

\$45.00 for Guests

\$15.00 for Students



