

# ASHRAE Rochester



NOVEMBER 2 2009

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Gordon Holness, P.E., Fellow ASHRAE, Life Member 2008-09, President-Elect

#### Main Program:

The Rochester Chapter of ASHRAE would like you to join us at Mario's via Abruzzi on Monroe Avenue for a lunch meeting Monday November 10, 2008. Mr. Gordon Holness, an ASHRAE Distinguished Lecturer, will be presenting "Building Retrofit for Energy Efficiency". This is a topic of great significance in the Rochester area currently. Please plan on joining us from 12:00 until 2:00 with lunch served. The cost is \$25.00.

When: Monday, November 10, 2008

Time: 12:00 PM—Lunch

Followed by presentation

Where: Mario's via Abruzzi

2740 Monroe Ave, Rochester

Cost: \$25 (includes lunch & program)

**RSVP**: Please RSVP by 2:00 PM Friday, November 7th to Rob Wind, Phone: 585-

341-3172 or rwind@ibceng.com

Gordon V. R. Holness, P.E., Fellow ASHRAE, Life Member, is a consulting engineer, Grosse Pointe Shores, Mich.

As the Society's president-elect, Holness is a member of the Board of Directors and the Executive Committee and chairs the President-Elect Advisory Committee, Members Council and the Advocacy Committee.

"ASHRAE is truly a unique technical organization in the breadth and depth of technical information and research that is generated to serve the HVAC&R industry," Holness said. "We are fortunate to have a tremendous cadre of volunteers who, with great staff support, develop all of our Handbooks, guidelines, standards and design guides to help fulfill our mission. Funding raised by our members lets us develop research programs that help keep us on the leading edge of new technologies. The technical programs put on at our meetings, together with the significant educational programs developed through the ASHRAE Learning Institute, help spread these new technologies to the industry. Our support of student activities also encourages new engineering talent to join the industry. Put all together with the training and peer interaction provided by participation in ASHRAE, and you have a world of opportunity available in and through the Society."

Holness is chair of the Steering Committee on Building Information Modeling and Interoperability and the Society representative on the building SMART Alliance and the Advanced Energy Design Guide Steering Committee, and is a member of the Headquarters Building Renovation Committee. He formerly served on the Board of Directors as treasurer, vice president and director-at-large.

Holness has received the Exceptional Service Award, the Distinguished Service Award, the Journal Paper Award and three ASHRAE Technology Awards.

Born and educated in England, Holness worked in a London consulting engineering practice for many years before immigrating to Canada. There he worked in a mechanical/electrical consulting engineering company for several years before moving to Detroit, where he worked for the renown architectural and engineering organization, Albert Kahn Associates Inc., serving as chief mechanical engineer, vice president, treasurer and president, before retiring as chairman emeritus after 32 years for the company. He is a registered mechanical engineer, licensed to practice in 42 states and four provinces. He also is a chartered engineer in the United Kingdom.

# Chapter Officers

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#### **ASHRAE 2008/2009 MEETING SCHEDULE**

DATE	EVENT	LOCATION	SCHEDULE	
11/10/2008	Building Retrofit for Energy Efficiency Gordon Holness, ASHRAE Distinguished Lecturer	Mario's	12:00-2:00 PM Lunch	
12/8/2008	Using the updated ASHRAE Standard 62.1 (possible mini-siminar)	Wishing Well Party House	5:30 PM Tech Session Dinner 7:00 PM Main Speaker	
1/12/2009 Student Night	Commissioning—Case studies, requirements for engineering specifications. Al Rodgers, Steve Beck. Tech Session—An introduction to Commissioning (What it IS and What it is NOT).	s. Al Rodgers, Steve Beck. —An introduction to Commissioning (What it		
2/9/2009 Membership Night	Using the updated ASHRAE Standard 90.1 (possible mini-seminar)	Wishing Well Party House	5:30 PM Tech Session Dinner 7:00 PM Main Speaker	
2/14/2009	Valentine's Dance	Lodge at Woodcliff	6:30 PM Reception 8:00 PM Dinner 9:15 PM Dessert	
3/9/2009	Sustainable Design and the use of Standard 189 Thomas Lawrence, PhD, PE, LEED AP—ASHRAE DL Tech Session—Applications for custom air handlers	Mario's	12:00-2:00 PM Lunch	
4/13/2009	Refrigeration Tour—(possible) High Falls Brewery	High Falls Brewery	5:30 Dinner 7:00 Tour	
5/19/2009	Annual ASHRAE Golf Outing and Picnic	Ravenwood Golf Club	8:00 AM Golf 2:00 PM Picnic 6:45 PM Dinner	

### **Mission Statement**

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.



"Advancing HVAC&R to serve humanity and promote a sustainable world"

### **Vision Statement**

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

# President's Message by: Joseph Van Cura



With November upon us and Thanksgiving just around the corner, I think it is appropriate to take the time to thank all of the ASHRAE board members for all of their fine work.

We would also like to thank RIT for allowing ASHRAE to host the tour of the new CAST building in October. This LEED certified building is a testimonial to sustainability, which, as you know is a point of focus for ASHRAE. The tour was very well received by the membership, and no doubt will be looked at as a model for future LEED certified buildings in our area.

The development of the LEED certified buildings goes hand in hand with sustainability. In the not too distant future, facilities constructed with any public funding will be required to meet some level of LEED standard. We had a speaker last year at one of our ASHRAE tech sessions who compared the LEED program to the handicap accessible program. It would be impossible today to put up a public building without taking into consideration the need for handicap accessibility. So will it go with LEED certification.

Every year an ASHRAE representative from our region visits the Chapter to sit in on a Board of Governors and Chapter meeting.

This year we welcomed Garry Myers to the Rochester Chapter BOG meeting. Unfortunately Garry could not stay for dinner, but he was able to tour the CAST building during the day. Special thanks to Lee Loomis for escorting Garry Myers while he was in Rochester.

In order to keep our Chapter strong we need your support at our monthly meetings. A lot of time and planning has gone into putting together quality programs that you have requested through your response to our surveys. We ask you, the membership to make an effort to attend these informative meetings and possibly bring a guest.

If anyone has any interest in working with our board on topics or programs, please feel free to contact me at <a href="mailto:jvc@rpfedder.com">jvc@rpfedder.com</a>

Thank you again for all of your support and we look forward to seeing you at the upcoming monthly meetings.

Joseph Van Cura, 2008-2009 President



### Engineering tomorrow...today



### 2009 ASHRAE Winter Conference

January 24-28

ASHRAE 09 CHICAGO, IL



# Why Should You Attend? WHAT MEMBERS ARE SAYING

"The ASHRAE meeting in Chicago will attract the leading practitioners in high performance building design, operation and maintenance. I can't afford not to be there.

ASHRAE meetings allow me to network with my colleagues, learn about the latest technologies, and have a great time to boot."

"Attending the ASHRAE meetings allows me to build networking relationships with the leaders in my industry that are writing codes and standards and conducting research that directly affects how I design buildings."







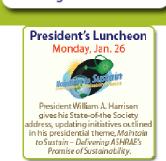
### Meeting Registration Don't Miss Out!

Register online for the conference, tours and social events.

Register online until December 31. After this date, you can register for the conference in Chicago.

Register Online







#### Learn and Earn

TECHNICAL PROGRAM PROVIDES 140+ PDHs

ASHRAE is advancing the state-of-the-art in sustainability through the <u>technical</u> <u>program with its theme</u> <u>Sustainable Urban Design</u>, presenting the latest developments in sustainability as applied to systems and equipment, application of their use in different types of buildings and, especially, the impact on urban settings. Educational opportunities and some 60 PDHs are available through <u>ASHRAE Learning</u> <u>Institute courses</u>.

### Earn an ASHRAE Certification

STAND OUT FROM THE CROWD

ASHRAE launches its newest certification program, *Operations and Performance Management Professional Certification*, which will recognize an individual's understanding of how the management of HVAC&R operations helps to achieve and maintain building performance goals.

Learn more at <u>www.ashrae.org/certification</u>



The Show-

Learn about new products and the most innovative technology at the Expo, the world's largest event for HVAC&R. More than 1,800 exhibitors from 30 countries are expected, with numbers growing.





Your technical training provider presents

# Air Conditioning Fundamentals 2008

<u>Target Audience:</u> Any engineer, designer, technician, or assistant who wants to broaden their base in the fundamentals, will greatly benefit from this training.

<u>Primary Benefit:</u> Students will enjoy learning as much practical knowledge as possible about Air Conditioning Fundamentals. Students won't waste a great deal of time in theory. The typical student can immediately apply what he/ she learns. Past at tendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

#### **Comments from past attendees:**

"<u>Practical, helpful, essential information</u> provided in a friendly and enthusiastic manner." Bill Bishop, Mechanical Designer - Rochester, NY

"Joe really knows the details and step by step ways to teach a hard topic to understand. **The best training I have had.** Joe is a great teacher."

Thomas Price - Estimator/Project Manager - Philadelphia, PA

"Joe has an effective teaching style that delivers a lot of technical information in an amount of time in a way that everyone in the classroom can easily comprehend and understand to use in their field."

Andrew Davin - Mechanical Designer - Rochester, NY

"This was awesome! **Engineering made simple.** Joe Becker is one of the best!" Jamie Chudyke - HVAC Mechanic - Rochester, NY

2008 Course Offering (Rochester, NY): (This class is 3-days; Tuesday – Thursday)

[ ] Nov 18-20 'Airside Fundamentals- II' (Duct Design, Fans & Fan Laws, Acoustics and IAQ)

Registration Deadline: Each course will be filled on a first-come-first-reserved basis.

<u>Payment Deadline:</u> Complete Payment must be received prior to the start of the class.

Contact: Joe Becker, Becker Learning / 5980 Sheppard Road / Dansville, NY 14437

Phone: (585) 317-0000 Email: BeckerLearning@yahoo.com

#### More Details for 3- day courses:

Where: The specific Henrietta, NY location will be decided at least 30-days before the class & all attendees will be emailed all appropriate information in time to make hotel reservations.

Food: Lunch, mid-morning and mid-afternoon snacks & drinks are provided.

What is not included: Transportation, other meals & lodging.

**Travel:** Arrival: Since the seminar starts at 8:00 a.m., plan to arrive the night before.

<u>Departure:</u> You can book flights out of Rochester International Airport after 6:00 p.m. on Thursday since our Henrietta, NY location is less than 10-minutes from the airport.

Date

Registration: Please fill out this form for each person attending, and mail along with a Check or Purchase Order (made out to 'Becker Learning') to: Becker Learning / 5980 Sheppard Road / Dansville, NY 14437 2008 Course: [ ] Airside-II					
Name:			Title:		
Company:					
Address:					
Phone:( )		Email:			
# of Courses	\$/course	Total Cost \$	Check # or PO	O #	
	\$1,000				
Authorizing Person					

#### **Cancellation Policy:**

**Printed Name** 

If someone cancels 60-days prior to the start of the class => no cancellation charge.

If someone cancels 30-60 days prior to the start of class => 50% cancellation charge

If someone cancels less than 2-weeks before the start of class, or simply doesn't show up => charged the full amount

Signature

#### **Teaching Methodology:**

Similar to the way Joe taught nine classes in the Graduate Training Program of The Trane Company, students will learn a concept and then immediately apply this new knowledge with an application problem. Quiz/testing will also be used to measure the overall effectiveness of the teaching. In this way, the program receives continual improvement through direct feedback.

#### **About the Instructor:**

Joe Becker is a graduate of the University of Wisconsin-Madison with degrees in Naval Science and Industrial Engineering (1979). He is also a Graduate from the U.S. Naval Nuclear Power School at Mare Island, California (1975). Joe is a registered Professional Engineer.

After nine years in the Navy, Joe resigned his Commission in the Civil Engineer Corps. He joined The Trane Company as a Systems Engineer in the C.D.S. computer software design group where he spent a great deal of time running Trace Building Energy Analysis programs as well as teaching others how to use a variety of powerful C.D.S. software tools. He also worked as a Marketing Engineer in the Variable Air Volume Product Group. During his last 5 years in Trane Headquarters, he served as the Manager of Technical Training, where his primary responsibility was to teach the technical subjects to those attending Trane's premier six month long Graduate Training Class. Joe left Headquarters in 1990 to join the Rochester, NY field sales office as a sales engineer. He distinguished himself by earning Trane's coveted Top-10 Club three years in a row before being promoted to the Rochester Sales Manager in 1997. The following year he was given the Syracuse sales management responsibilities as well. Joe was the Regional Sales Manager of the Northeast Territory from January 2005 through March 2007.

Joe currently works part-time for Trane's NE Territory and provides technical training through Becker Learning.

<sup>\*\*\*</sup>If a PO is given, full payment must be received prior to the first day of class.

# Governmental Affairs Update

Welcome to ASHRAE's Government Affairs Update. Along with the redeveloped Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (http://www.ashrae.org/advocacy).

You are encouraged to pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

#### ASHRAE Government Affairs Update, 10/31/08

- Federal R&D Agenda for "Net-Zero" Energy Green Buildings Released
- U.N. Environment Programme Launches Green Economy Initiative
- ASHRAE/USGBC Names Washington, D.C. Fellow



#### Federal R&D Agenda for "Net-Zero" Energy Green Buildings Released

The National Science and Technology Council (NSTC) released a report describing R&D activities that could decrease use of natural resources and improve indoor environments while reducing greenhouse gas emissions and other harmful pollutants from the building sector. The report, *Federal R&D Agenda for Net-Zero Energy, High-Performance Green Buildings*, was produced by the NSTC's Buildings Technology Research and Development Subcommittee under the auspices of the Office of Science and Technology Policy (OSTP) in the Executive Office of the President.

The major goals outlined in the NSTC report include developing technologies, tools and practices that could significantly reduce the use of energy, water and other natural resources, promoting environmentally friendly products and practices, and reducing building material waste while meeting building performance design standards. The agenda calls for supporting these goals through the full spectrum of R&D activities, including use-inspired basic research, applied research, measurement science, development, demonstration and implementation.

The report also addresses barriers to widespread acceptance and surveys policy options to change current buildings sector practices. For example, revision or revalidation of model building code and regulatory requirements at the state and local level can accelerate the adoption of high-performance technologies and holistic design practices for buildings. These new approaches and technologies must be cost-effective, able to meet established performance and design standards, and easy to install, operate and maintain. Achieving these goals will improve both the design of new buildings and the renovation of existing buildings, contributing to the sustainability of future communities.

The report responds to provisions in the Energy Policy Act of 2005 (EPAct 2005, Public Law No. 109-58) and the Energy Independence and Security Act of 2007 (EISAct 2007, Public Law No. 110-140) to enhance federal R&D that could enable more efficient and higher performance residential and commercial buildings.

#### The report may be found at:

http://ostp.gov/galleries/NSTC%20Reports/FederalRDAgendaforNetZeroEnergyHighPerformanceGreenBuildings.pdf

#### **U.N. Environment Programme Launches Green Economy Initiative**

The United Nations Environment Programme (UNEP) and leading economists are calling for a radical shift to a new "green" economy. The UNEP Green Economy Initiative, also known as the "Global Green New Deal," was launched with an emphasis on investing in clean technologies and "natural infrastructure," such as forests and soils. The initiative emphasizes five sectors that it claims are likely to generate the biggest transition in terms of economic returns, environmental sustainability, and job creation. Those five sectors include clean energy and clean technology, such as recycling; rural energy, including renewable energy and biomass; sustainable agriculture; ecosystem infrastructure; reduced emissions from deforestation and forest degradation; and sustainable cities, including planning, transportation, and green buildings. In other words, energy efficiency and renewable energy technologies are included in three of the five sectors that the UNEP believes the world's economy should be focused on. Within the next two years, the Green Economy Initiative plans to deliver a comprehensive assessment and tool kit for the world's nations to make the transition to a green economy. See the UNEP press release (<a href="http://www.unep.org/Documents.Multilingual/Default.asp?DocumentID=548&ArticleID=5957&l=en">http://www.unep.org/DocumentID=548&ArticleID=5957&l=en</a>).

### Governmental Affairs Update (continued)

#### ASHRAE/USGBC Names Washington, D.C. Fellow

A Florida mechanical engineer has been named as a Washington Congressional Fellow hosted by ASHRAE and the U.S. Green Building Council (USGBC).

Michael Erbesfeld, TLC Engineering for Architecture – Deerfield Beach Division, will serve a one-year fellowship in Washington, D.C., which allows him to work on Capitol Hill in a technical advisory role. He has been assigned to the office of Sen. Dianne Feinstein (D-Calif.). Erbesfeld recently completed the annual fellows orientation sponsored by the American Association for the Advancement of Science.

"What's so exciting about this fellowship is that it offers an opportunity to help policymakers shape the future of our built environment by making responsible design the standard as opposed to the exception," Erbesfeld said.

Doug Read, ASHRAE program director of government affairs, noted that Erbesfeld's assignment would be beneficial to both groups given Feinstein's service on the Appropriations Committee, including chairing the Interior, Environment and related agencies subcommittees.

"Michael's assignment to Sen. Feinstein's office is critical for ASHRAE and USGBC because of her service on the Appropriations Committee, which has jurisdiction over the funding for federal agencies that impact future research and development in building sciences and regulation of buildings related issues," he said.

The fellowship runs from September 2008 through August 2009.

For more details on the fellowship program see <a href="http://www.ashrae.org/advocacy/page/1227">http://www.ashrae.org/advocacy/page/1227</a>.

# Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor. Christina Wal-

ter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R

industry.



# 2008-2009 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members / Students	Member Promotion	Student Activities		Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	240 /26	0	0	0	0	100	60	160



# Don't miss out on the opportunity to promote your company's products and services in the 2009 ASHRAE Buyer's Guide.

This valuable guidebook is distributed to each Rochester Chapter ASHRAE member and is one of the best resources of HVAC product and service listings in this region.

You can make your ASHRAE Buyer's Guide submission by emailing a black & white 4 ½" x 6" or 8 ½" x 11" page as you would like your ad to appear (or mailing a hard copy).

Ad Format options for submission include: pdf print (not a scan) or word document

The cost will remain the same as last year at \$125.00. It is our intent to release the Buyer's Guide by February 2009 so the deadline to receive your payment and ad is <u>January 9, 2009</u>.

Email your ad to: <a href="mailto:cwengineering@rpa.net">cwengineering@rpa.net</a> or mail hard copy to the address below.

Please send your \$125.00 check payable to ASHRAE Rochester Chapter to:

Charles White 128 Hogan Road Fairport, NY 14450

If you have any questions, please call me at (585) 223-2462.

Thank you for your support.
Charles White,
Chairman, ASHRAE Rochester Buyer's Guide Committee.





# **ASHRAE**

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Chapter 11 - Rochester, New York

#### **Society News:**

#### ASHRAE Hosts Industry Partners at Headquarters Renewal Event

ATLANTA – The ribbon is cut, the donors have been honored, and ASH-RAE's newly renovated sustainability showcase is officially open for business.

Some 200 people gathered Thursday, Oct. 23, for the Headquarter dedication ceremony in Atlanta. The guests included industry partners who donated nearly \$1.65 million in equipment and services for the \$7.65 million renovation.

"None of this would have been possible without the hard work and commitment from many volunteers and staff involved in the renewal for the last three years," Bill Harrison, ASHRAE president, said. "More importantly, generous donations by companies and firms have ensured that not only our building will be here for a long time to come but that ASHRAE can continue to provide the sustainable building technology guidance that we are known for."

"Not only is the renovation a technology and productivity showcase, it also

exemplifies the incredible potential of determined ASHRAE members and the greater ASHRAE community working toward a common goal," Jeff Littleton, ASHRAE executive vice president said. "This renovation represents the largest capital investment in ASHRAE history at \$7.65 million."

Major contributors to the Headquarters project include the ASHRAE Foundation, Carrier Corp., Automated Logic Corp. /Automated Logic Georgia, ClimateMaster Inc., Daikin Industries Ltd., Southern Company/Georgia Power

Company, and Trane. Partners also include Aircuity Inc. and Interface FLOR. Also donating are Allsteel® / Ivan Allen; Mark H. Brandli/design principal for Richard Wittschiebe Hand; CxGBS; Dynamic Air Quality Solutions; EBTRON Inc.; GE Power; Bill and Margaret Harrison; Bruce Hunn, ASHRAE's director of strategic technical programs; ITT/Bell & Gossett/James M. Pleasants Co.; NorthWrite Inc.; PolyCon Manufacturing; Thermal Gas Systems Inc.; U.S. Green Building Council; and VFA Inc.



Members of the Headquarters Renovation Committee (left to right) Ron Jarnagin, Darryl Boyce, Bill Harrison, Gordon Holness, Damon Gowan and Mike Vaughn cut the ribbon at the Headquarter dedication ceremony in Atlanta October 23.

#### Disclaimer

"ASHRAE has compiled this publication with care, but ASHRAE has not investigated, and ASHRAE expressly disclaims any duty to investigate any product, service, procedure, design or the like which may be described herein.

The appearance of any technical data, editorial material, or advertisement in this publication does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, procedure, design or the like. ASHRAE does not necessarily agree with any statement or opinion in this publication. The entire risk of the use of any information in this publication is assumed by the user. Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission".

#### From the Editor's Desk

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of it's members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

#### Reminder

Suggestions

Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.