

# The Central New Yorker

## ASHRAE Newsletter

The CNY Chapter of the American Society of  
Heating, Refrigerating and Air Conditioning Engineers

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## THE PRESIDENT'S Message

The first meeting of my term was a great success. We had close to 30 chapter members in attendance to listen to Distinguished Lecturer Tom Werkema deliver a very lively lecture on climate change and global warming. I would like to commend Rae Butler and Bill Walter for their hard work securing this fine lecturer and I look forward to what they have on tap for the remainder of the year.

A special guest from the Region 1 joined us for our first meeting. Lee Loomis, who is the Region 1 Technology Chair, not only gave a short speech after dinner, but he also sat in on our Board of Governors' meeting. At both, Lee spoke of the importance of Technology Transfer and the need for volunteers in ASHRAE.

Our next meeting promises to be a great one and very timely. Doug Read, ASHRAE Director of Government Affairs will keep with our political theme and give us an insider's view on how and when ASHRAE influences national policy makers. So mark your calendars. November's meeting is also going to be Resource Promotion recognition night. Please see Paul Conte's article in this newsletter to learn more about how we recognize those people and organizations that donate to ASHRAE.

I know it seems way too early, but it's time to start thinking about our Holiday Party. In a few short weeks we'll all be eating Thanksgiving turkey and the holiday season will be upon us. So, when you're planning your busy holiday, mark your calendar for December 10<sup>th</sup>. For this year's party, we'll be going back to Saratoga Steaks for a repeat of last year's great party. We hope to see you there.

Chris Martin  
CNY Chapter President



Traditionally our December Chapter meeting is a Christmas party. Again this year it will be at the Saratoga Steaks restaurant on Waring Road in Dewitt near Drumlins. We have reserved their private "Back Room" for our party. The menu and price for the complete sit-down dinner will be in our next newsletter. Mark your calendar and plan to come. Spouses and guests are welcome.

<http://www.centralnewyork.ashraechapters.org>

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## Member news

**C**entral New York Chapter member Jerry Groff was awarded the *2008 Rittinger Medal* at the International Energy Agency International Heat Pump Conference held May 20-22 in Zurich, Switzerland. The Rittinger Medal is the highest international award in the air conditioning, heat pump and refrigeration field and recognizes significant contributions to the advancement of technology, applications and market development. It is awarded by the IEA Heat Pump Program every three years in conjunction with the International Heat Pump Conference. The award is named for Peter Ritter von Rittinger who is credited with the design and installation of the first energy conserving heat pump system at a salt works in Upper Austria in 1856. Other 2008 awarders are Prof. Eric Granryd from the Swedish Royal Institute of Technology and Dr. Pedrag Hrnjak from the University of Illinois, Champagne-Urbana.



Jerry served as President of Marquardt Switches, Inc. in Cazenovia from 1988 to 1999. and previously was Director of the Carrier Corporation Corporate Research Laboratories. He also served as Director of Solar Heat Research at the U.S. Solar Energy Research Laboratory (NREL). He was Chairman of the IEA Heat Pump Program Advisory Board from 1990 to 2002, representing the U.S. and Canada and has been a keynote speaker at the 2002, 2005 and 2008 International Heat Pump Conferences. He is a Fellow and Life Member of the American Society of Heating, Refrigerating and Air Conditioning Engineers, a Life Member of the American Society of Mechanical Engineers and of Sigma Xi Scientific Research Society. He served as Vice Chairman of the International Institute of Refrigeration Scientific Council and as President of the Section including Institute activities in air conditioning and heat pumps. In 1999 he was awarded the W.L. Pentzer Award by the U.S. National Committee for the IIR. Currently Jerry is a consultant to the U.S. Department of Energy, Oak Ridge National Laboratory and to several industrial clients.

We congratulate Jerry on receiving the Rittinger Medal.

— **Paul Britton, Chapter Historian**

# RESOURCE PROMOTION

November is set to be Resource Promotion Recognition Night.

I would like to thank everyone that has contributed so far this year and I hope to see the following list grow as the year moves ahead. Should you choose to donate, contributions should be sent to me and I will forward them onto ASHRAE, or you can donate directly on the ASHRAE website. Contributors as of October 15th: Edco Sales, Modular Comfort Systems, Bruno Morabito, Stephen Miller, Michael Cahill, Lois Graham, and Donald Rich.

On November 12<sup>th</sup> I will present last years investors with their ASHRAE 07-08 Donor Recognition Certificate. The antique coin for investors that is generally given out at this meeting will now be mailed directly from ASHRAE. I hope to see everyone that donated last year at this months meeting!

Thank you in advance for your continued support.  
Paul Conte  
*Research Promotion Chairman*

The CNY Chapter is now accepting business card advertising in this monthly newsletter. Send us your business card (or text for a line card) and we'll scan it in and for \$50 your card will run in the newsletter for the year. Send your ad and payment to:

**ASHRAE Newsletter, Advertising**, P.O. Box 2396, Syracuse, NY 13220  
If you have a digital card (or questions), email it to us at [westbror@upstate.edu](mailto:westbror@upstate.edu).

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# 2008-2009 CNY ASHRAE Programs

November 12	Doug Read ASHRAE Director of Government Affairs — Technical Expertise to Policymakers. This will help give insight into how and when ASHRAE influences policymakers.
December	Christmas Party at Saratoga Steak House.
January	NYSERDA Focus on Industry Program and other energy grants for industry by <b>Orian Cotres</b> — Lockheed Martin Information Systems and Global Service
April 22	April will be Field Trip month with a tour of a dairy processing plant
June	Clambake
February, March and May are TBD	

October's speaker: Distinguished Lecturer Tom Werkema, was interesting and informative. The science of climate change is not as simple as the media and other groups would have us believe.

## November's Speaker and Program

**Douglas Read** is ASHRAE's Program Director for Government Affairs and is based in DC. Mr. Read has a long history of liason to government agencies for various organizations including NEMA and Society of Automotive Engineers. HE served as a US Delegate to the United Nations Transport Division assisting in developing global regulations for the industry.

During the last 12 years he has served on several policy committees of ANSI, is current member of the World Standards Planning Committee. Prior to coming to Washington he was a design engineer for Black & Decker. He has a Bachelor Degree in Industrial Engineering and a Masters in Organizational Development.

Mr. Read will discuss ASHRAE's role in advocacy and public policy and the new initiative to be more proactive in highlighting ASHRAE's work for the government agencies and other organizations interested in the built environment.

This is a good chance to hear about the work ASHRAE does on our behalf outside of the research and standards work that is familiar us.

— Rae H. Butler

*If anyone has specific topics or speakers they would like to see included in the CNY ASHRAE Programs, please email me at [RButler3@twcny.rr.com](mailto:RButler3@twcny.rr.com).*



## Help Wanted

The students of SUNY Canton's Air Conditioning Engineering Technology program are participating in the ASHRAE Student Design project.

I have agreed to let them do this as part of the ACHP 264 AC System Design course. This was Art Hurlbut's course for many years and this will be my first year teaching it. I am asking for assistance from any engineer and/or firm to mentor the students and help them develop an exceptional design. This is a chance for the students to apply their coursework to a real design project and to benefit from the advice and counsel of practicing professionals in the field. I have been teaching Air Conditioning, and I now teaching Domestic and Commercial Heating as well. I have a good working knowledge thanks to Art, however the students could really benefit from the field experience that can only come from practicing professionals like you. Charles Stead led this program most recently, but he left this past spring to take a job in the Albany area. Management of the Air Conditioning Eng. Tech. program has been left to me. Our students would like to do well enough to have some bragging rights with our

administration. I also see this as a great tool for ABET assessment. If anyone is interested please call me at 315-386-7219 or email me at [newtownm@canton.edu](mailto:newtownm@canton.edu) to discuss the project and what level of participation you can lend.

Michael J. Newtown, P.E.  
Asst. Professor and Chair of Energy and Environment Dept.  
Canino School of Eng. Tech.  
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315-386-7219

What a great opportunity to meet and work with some bright students about to embark on their own HVAC career. This could be a great recruiting opportunity as well as a mentoring opportunity. For more information about the ASHRAE 2009 Student Design Project Competition, see (<http://www.ashrae.org/students/page/1420>), and for a description of the design project, see (<http://www.ashrae.org/students/page/1971>).

Michael L. Kingsley, PhD, PE, LEED AP  
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## ASHRAE Members are Invited...

ISAT Seismic Bracing; a global provider of engineering services, consulting services and restraint system components for non-structural seismic bracing. ISAT specializes in the health care, industrial and commercial construction markets. Our entire focus is providing code compliant solutions to engineers, contractors, architects, building owners and inspectors that are both cost effective and construction friendly. Our services and solutions are specific to building utility systems, including but not limited to: HVAC, mechanical, piping, distributed electrical systems, plumbing, process piping and fire protection.

Due to the adoption of the International Building Code across the United States, the need to construct facilities that can withstand seismic events has taken a renewed importance. The International Building Code requires seismic design for non structural components by a registered design professional and submitted as engineered construction documents. Many projects are now facing more complicated issues in order to define and meet the requirements.

ISAT will be hosting an Educational Code Seminar in your

area on November 4<sup>th</sup> 2008. The purpose of the seminar is to provide a solid base of knowledge regarding the 2003 & 2006 IBC relative to the seismic bracing of Mechanical, Electrical, Plumbing and Fire Protection utilities. The goal of the seminar is to empower and educate design teams with the insight and services that will help them to deal with these changes.

We would like to invite all of your ASHRAE members to attend. The seminar is free and will include food and beverage.

If you would like more information and are interested in involving your members please contact me at 714-994-6353. Feel free to visit our website for additional information on ISAT Seismic Bracing at [www.isatsb.com](http://www.isatsb.com)

Maria Staley  
Communications & Marketing Manager  
[www.isatsb.com](http://www.isatsb.com)

# ASHRAE Government Affairs Update

The following information was originally printed in the ASHRAE Government Affairs Updates. For more information go to: <http://www.ashrae.org/advocacy/page/1344>.

## Candidates Answer 14 Questions on Science

Presidential candidates Barack Obama and John McCain have answered 14 specific questions about their policies on science and technology in response to a call from a grass roots organization called Science Debate 2008. The group is spearheaded by scientists and concerned citizens who believe that science and technology lie at the center of a large number of policy issues that profoundly affect U.S. economic and national security.

The 14 questions address energy policy, national security, economics in a science-driven global economy, climate change, education, health care, ocean health, biosecurity, clean water, space, stem cells, scientific integrity, genetics, and research.

On climate change the candidates were asked to give their positions on a cap-and-trade system, a carbon tax, increased fuel-economy standards and research. Obama answered, "First, the U.S. must get off the sidelines and take long-overdue action here at home to reduce our own greenhouse gas emissions. We must also take a leadership role in designing technologies that allow us to enjoy a growing, prosperous economy while reducing greenhouse gas emissions by 80 percent below 1990 levels by 2050." Obama said he will create a Global Energy Forum based on the G8+5 to focus exclusively on global energy and environmental issues. He also said he will create a Technology Transfer Program for exporting climate-friendly technologies.

McCain reiterates his goal of achieving at least a 60% reduction in greenhouse gas emissions by 2050. McCain said he would strengthen penalties for carmakers falling short of fuel efficiency standards and establish a permanent tax credit for R&D. McCain also wants to spend two billion a year for the next 15 years on "clean" coal technology.

Both candidates say they will institute a cap-and-trade system. Read each candidates' full answers at the Science Debate 2008 website <http://www.sciencedebate2008.com/>

## 2008 Buildings Energy Data Book Available

The 2008 Buildings Energy Data Book is now available at <http://buildingsdatabook.eere.energy.gov/>. The 2008 Buildings Energy Data Book was developed for use within the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy. The Data Book contains current buildings-related data and has served as a valuable resource in providing consistent, citable data in a single document.

The new edition has been significantly reorganized and expanded. Data is now organized in the following chapters:

Buildings Sector  
Residential Sector  
Commercial Sector

Federal Sector  
Envelope and Equipment  
Energy Supply  
Energy Codes, Standards, and Laws  
Water Data  
Market Transformation

New data sections include Embodied Energy of Building Assemblies, Multi-Family Housing, Office Buildings Markets and Companies, Retail Markets and Companies, Hospitals and Medical Facilities, Hotels/Motels, On-Site Wind Power, On-Site Power, Natural Gas Production and Distribution, and Public Benefits Funds/System Benefits Funds.

## DOE Awards \$15 Million to 21 Companies for Efficient Buildings

DOE announced that it has selected 21 companies to receive \$15 million as the first phase of awards for the Net-Zero Energy Commercial Building Initiative. DOE's Pacific Northwest National Laboratory and National Renewable Energy Laboratory will work with each awardee to design, build, commission, and operate at least one new energy-efficient prototype building. Compared to similar new commercial buildings that meet the minimum requirements of standards set by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the new prototype buildings will consume only half as much energy. The two national labs will also work with each company to retrofit one existing building to consume 30% less energy than a retrofitted building that meets the minimum ASHRAE standards. The building projects will use both cutting-edge energy efficiency technologies and on-site renewable power generation to reduce the energy use of the buildings.

The awardees for this phase of the award include retailers Best Buy, JCPenney, John Deere, Macy's, SuperValu, Target, Toyota, and Whole Foods Market; commercial real estate firms CB Richard Ellis, Forest City Enterprises, Hines, InterContinental Hotels Group, The Opus Group, ProLogis, Regency Centers, Ryan Companies US, Simon Property Group, Tishman Speyer, and The Westfield Group; and two financial institutions, namely, the Bank of America and the PNC Financial Services Group. The intent is to identify approaches that can be replicated across the nation, while gaining insight into private-sector decision processes, business models, and financial drivers for achieving low-energy buildings.

See the DOE press release at <http://www.energy.gov/news/6577.htm>.

— Bill Walter  
TEGA

# ENGINEERING EXPO 2008

**Date:** Monday, November 11, 2008  
**Program:** An opportunity to earn PDH credits and gain some knowledge  
**Location:** Holiday Inn, 441 Electronics Parkway, Liverpool, NY 13088 457-1122

The fifth annual CNY Engineering Expo 2008 will be held at the Holiday Inn, Liverpool, on Monday, November 10th, from 8:00 a.m. to 5:00 p.m. This event, co-sponsored by ASCE, ASME, IEEE, and NSPE, is geared toward New York Professional Engineers (PE) and Registered Architects (RA) but is open to any who want to broaden or “freshen up” their engineering knowledge.

If you're a professional engineer licensed in New York State mark your calendar for this event. Attendance at the Expo offers an inexpensive and convenient method of earning up to seven PDHs (Professional Development Hours) required to satisfy the continuing education requirements for professional engineer registration. The event will be held in the same location as the last four years, namely the Holiday Inn and Conference Center at Electronics Parkway and Seventh North Street in Liverpool, NY.

The schedule of seminars is at: <http://www.cscos.com/engineeringexpo>

## **Agenda:**

Registration starts at 7:00 a.m.      The morning seminars start at 8:15 a.m. with 15-minute breaks in between  
Lunch Starts at 11:45 a.m.      The afternoon seminars start at 1:30 with 15-minute breaks in between

## **Cost:**

\$90 is received on or before November 3, \$110 thereafter.

**Directions:** Holiday Inn, 441 Electronics Parkway, Liverpool, NY 13088

From the NYS Thruway take Exit 37—the hotel is at the end of the ramp and to the left.

From Interstate 81 take Exit 25 (7th North Street) and turn right onto 7th North Street to head about 1.25 miles northeast. The hotel will be straight ahead when you reach Electronics Parkway.

**Reservations:** For questions regarding payment & registration contact Vicki Scott, C&S Companies, 455-2000 ext. 4150, email: [vsconfig@cscos.com](mailto:vsconfig@cscos.com)