



Bi-State Chapter Exchanger

Volume XXVI, Issue 1

Serving the Hudson Valley and Western Connecticut

September 2012

Meeting Wednesday September 19, 2012

Facility Tour and Dinner, Captain Lawrence Brewing Company

Location: Captain Lawrence Brewing Company — 444 Saw Mill River Road, Elmsford, NY

Time: 7:00pm to 10:00pm (Note: The Tasting Room is open to the general public from 4:00pm to 7:00pm for those who may want to arrive early.)

ASHRAE Members: \$25 charge **Non-Members:** \$30 charge

This month's meeting is being held at the Captain Lawrence Brewing Company, 444 Saw Mill River Road, Elmsford, NY. Food and Beer will be served.

Main Presentation: Facility Tour - Captain Lawrence Brewing Company

This month's Chapter Meeting will be a facility tour of the only brewery in Westchester County – The Captain Lawrence Brewing Company – at their new 18,250 square foot facility in Elmsford, NY. Captain Lawrence Brewing Company opened its doors in January of 2006 in Pleasantville, NY and they have seen extraordinary success in their first six years of operation. In 2006, Captain Lawrence Brewing won the Matthew Vassar Brewer's Cup as the Best Craft Brewery in the Hudson Valley at the TAP New York beer festival. The brewery also took home gold medals for Captain's Reserve Imperial India Pale Ale in two judging categories. At the 2007 TAP New York festival, a silver medal was earned for Captain's Reserve. In June, 2007 Beeradvocate magazine and Beeradvocate.com released their 2007 "Top 50 American Breweries" and Captain Lawrence Brewing Company was ranked #5. At the 2009 Great American Beer Festival, a gold medal was earned for the Rosso e Marrone in the American-Style Sour Ale category.

Head brewer and owner, Scott Vaccaro, is a graduate of the Fermentation Science program at the University of California at Davis. Mr. Vaccaro interned with the Andams Brewery in Southwold, England while at UC Davis, and after graduating worked as a brewer for the Sierra Nevada Brewery in Chico, California before returning home to the Westchester County and founding The Captain Lawrence Brewing Company.

Tech Session: Doug Davis of Broad USA will be presenting on Absorption Chiller Technology

Doug Davis, Director at Broad USA, will present an overview of why absorption is making a comeback in the USA largely due to economics and the affordability of Natural Gas. Doug will discuss how absorbers work, how the technology has changed and typical applications in both HVAC and CCHP systems. Doug is a graduate engineer from Purdue University and has worked as a Sales Engineer and Account Executive for the Trane Company and was Manager of Engineering Sales for McQuay International. Before joining Broad in 2010, Doug was employed by Columbia University as a project manager where he was responsible for the design and installation of a few larger chilled water plants on campus.

Please make reservations by contacting:

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-or-

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Upcoming Meeting: Monday, October 15

Joint meeting with AIA Westchester at their Design Expo Event at the Westchester Marriott Hotel, Tarrytown.

There will be afternoon CEU courses provided. Amongst planned speakers, Bi-State Chapter BOG member Jim Dolan will be presenting on "High Performance Buildings: Lessons Learned in Design." The vendor show will be from 4:00pm-8:00pm and will include hors d'oeuvres and a cash bar. Please see the link below for meeting details.

<http://www.aiawhv.com/cde.cfm?event=392224>

There are opportunities for vendor booths and sponsors for this event as well. This will reach a broad audience of architects, engineers, and builders in the Westchester/Hudson Valley areas. The event form is available at

<http://www.aiawhv.com/associations/11790/files/2012%20EXPO%20Exhibitor%20Agreement%20B.pdf>

President's Message

By John A. Fusco, P.E., LEED AP

Welcome to another exciting year for the Bi-State Chapter! Thank you for the privilege of being your Chapter President again. I am looking forward, along with the Chapter Officers and Board of Governors, to providing another year of informative and interesting Chapter Meetings. I have seen quite a few new faces at the recent meetings, and would like to see them again. Hopefully our first meeting, scheduled for September 19th, would entice people to attend – we are having a tour of the new Captain Lawrence Brewery in Elmsford – see our Meeting Notice for more details.

Our June Golf Outing at The Links was another success. We had over 40 golfers, and a hot sunny day, luckily the beverage cart kept us cool on the course. We raised over \$5,000, which enables our chapter to continue our programs, such as our scholarship efforts, student attendance at meetings, and contributions to Research promotion. We awarded two scholarships that evening. Thanks again to Steve Abbattista for organizing this event.

We are planning to provide a multitude of venues for our Chapter Meeting this year, including factory tours, joint meetings with other organizations, and presentations on business related aspects of engineering and construction, in addition to technically informative HVAC related presentations. As events are confirmed we will update our website and newsletter.

In closing I'd like to thank Nick Salomone for his tenure as president last year.

We encourage you to attend our meetings, where we can exchange ideas and become familiar with the emerging technologies changing our field.

John A. Fusco, P.E., LEED AP
Bi-State Chapter President

Historical Note — Bob Roston, Bi-State Historian

Electric Heating

“Mr. President, I sent that question in for discussion, because I knew nothing about it and wanted to learn something, and was in hopes that somebody here could enlighten me. There are some men who do know something about it, and if there are any of them here I would be glad to hear from them; I think it is unquestionably one of the coming systems of heating, and as a member of The American Society of Heating and Ventilating Engineers we ought to know something about it, or we are not abreast of the times.”

— Stewart Jellett, at the first ASHVE meeting in 1895, suggesting a discussion topic on electric heating

University Teams Lead Innovative Solar Research Projects

Research teams at the University of California, Los Angeles and the University of Arizona are launching projects aimed at improving the performance and lowering costs of solar energy systems.

The projects focus on increasing the efficiency of **concentrated solar power (CSP) systems** -- which use large, expansive mirrors to reflect and concentrate sunlight onto receivers. In turn, these receivers collect the sunlight and convert it into heat that can be used to produce electricity.

Both research teams will work to dramatically improve the performance of heat transfer fluids – which allow CSP power plants to store energy and provide smoother, reliable output to the grid. The teams will develop heat transfer fluids that can operate at significantly higher temperatures than currently possible -- all while maintaining high levels of performance. Recent analysis predicts that using heat transfer fluids that operate at higher temperatures could lower the cost of CSP power plants by nearly \$2 per kilowatt-hour.



Concentrating solar power system in Albuquerque NM.

The university-led projects are supported by a research grant from the Energy Department's **SunShot Initiative** called the Multidisciplinary University Research Initiative (MURI). MURI is specifically designed to prepare a new generation of scientists and engineers to become leaders in the solar power industry. In addition, these investments – totaling \$10 million over five years – will accelerate the commercialization of new, lower cost renewable energy technologies and diversify our nation's energy portfolio.

ASHRAE Announces Fall Online Courses

A full slate of online courses touching on a range of built environment topics is being offered by ASHRAE this fall. The 11 ASHRAE Learning Institute courses provide professional development through in-depth information that is timely, practical and targeted to provide engineers in consulting practices, facility management or supplier support with instruction on applying ASRHAE standards and employing new technologies essential for advanced building performance. The online courses allow attendees to learn from anywhere with an Internet connection. Course participants earn continuing education credits and qualify for Professional Development Hours for each course completed. Courses are instructor-led, drawing upon professional knowledge of leading practitioners.

The courses are:

- District Cooling and Heating Systems: Central Plants, Sept. 10
- The Commissioning Process and Guideline 0, The Commissioning Process (co-sponsored with the Building Commissioning Association, Illuminating Engineering Society and National Environmental Balancing Bureau), Sept. 24
- Basics of Air-to-Air Energy Recovery, Sept. 26
- Basics of High-Performance Building Design, Oct. 8
- Advanced High-Performance Building Design, Oct. 10
- Complying with ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings: HVAC/Mechanical, Oct. 15
- Complying with Standard 90.1-2010: Envelope/Lighting, Oct. 17
- Fundamental Requirements of ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, Oct. 22
- Energy Management in New and Existing Buildings, Oct. 24
- Energy Modeling Best Practices and Applications: HVAC/Thermal – Parts 1 and 2, Sept. 11 and 13
- Implementing ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, Parts 1 and 2, Sept. 17 and 19

For registration costs and to register, visit www.ashrae.org/onlinecourses. Site licenses are available to organizations that have five or more course participants. For more information, e-mail edu@ashrae.org or call 678-539-1146.

ENERGY MODELING CONFERENCE

October 1–3, 2012 | Atlanta, Georgia

www.ashrae.org/emc2012

Hands-on content for energy modelers.



ASHRAE

ENERGY MODELING CONFERENCE

Tools for Designing
High Performance Buildings

October 1–3, 2012

Westchester Green Business Challenge

The Westchester Green Business Challenge is a friendly competition for all 35,000 businesses in Westchester County. Participants will be acknowledged for achievements in greening their operations through the Business Council of Westchester, Westchester County Government and media recognition. The Green Business Challenge helps participants move down the path toward environmental sustainability, and, in some cases, toward third-party green building certification through the [Energy Star](#) and [LEED™](#) rating systems.

All Westchester businesses are invited to [participate in the Green Business Challenge](#), and will evaluate the “greenness” of their operations using our innovative Green Business Scorecard, developed in partnership with ICLEI and the Chicago Green Office Challenge. Businesses will be acknowledged for achievement of up to 82 green strategies that address [energy use](#), [transportation](#), [land use](#), [water resources](#), [waste](#), [recycling and green procurement](#), and [outreach](#). Not all strategies will apply to each business. Information is available at the web site: <http://climatechange.westchestergov.com/what-is-the-challenge>

Teaching a Microbe to Make Fuel

A humble soil bacterium called *Ralstonia eutropha* has a natural tendency, whenever it is stressed, to stop growing and put all its energy into making complex carbon compounds. Now scientists at MIT have taught this microbe a new trick: They have tinkered with its genes to persuade it to make fuel — specifically, a kind of alcohol called isobutanol that can be directly substituted for, or blended with, gasoline.

Christopher Brigham, a research scientist in MIT’s biology department who has been working to develop this bioengineered bacterium, is currently trying to get the organism to use a stream of carbon dioxide as its source of carbon, so that it could be used to make fuel out of emissions. Brigham is co-author of a paper on this research published in the journal *Applied Microbiology and Biotechnology*. Brigham explains that in its natural state, when the microbe’s source of essential nutrients (such as nitrate or phosphate) is restricted, “it will go into carbon-storage mode,” essentially storing away food for later use when it senses that resources are limited.

The MIT team has demonstrated success in modifying the microbe’s genes so that it converts carbon into isobutanol in an ongoing process. Now, the researchers are focusing on finding ways to optimize the system to increase the rate of production and to design bioreactors to scale the process up to industrial levels.

Unlike some bioengineered systems in which microbes produce a wanted chemical within their bodies but have to be destroyed to retrieve the product, *R. eutropha* naturally expels the isobutanol into the surrounding fluid, where it can be continuously filtered out without stopping the production process. Isobutanol can be used in current engines with little or no modification, and has already been used in some racing cars.

Join ASHRAE at its 2013 Winter Conference and the AHR Expo®!

Jan. 26–30/Jan. 28–30, Dallas

Register before
Nov. 4 and SAVE!!!



Technical Program—join your fellow members and industry leaders to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design

Virtual Conference—if you can’t make it to Dallas, take advantage of the knowledge shared in the technical program with the Virtual Conference

AHR Expo—The ASHRAE co-sponsored AHR Expo takes place Jan. 28-30 at the Dallas Convention Center. www.ahrexpo.com

ASHRAE Certification—all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

ASHRAE Learning Institute—five Professional Development Seminars and 15 Short Courses are offered, including new courses on the air-to-air energy recovery, ultraviolet germicidal irradiation systems, combined heat and power efficiency, laboratory design and HVAC systems optimization.

www.ashrae.org/dallas

\$107 Million Available Through NY-Sun Initiative for Large Solar Power Installations

Governor Andrew M. Cuomo recently announced that \$107 million is now available through the NY-Sun initiative for a major solar power incentive program that will increase the amount of electricity generated by photovoltaic (PV) systems throughout New York.

The NY-Sun Competitive PV Program, which is being administered by the New York State Energy Research and Development Authority (NYSERDA), seeks proposals for large (more than 50 kilowatts) PV systems to be installed at businesses, factories, municipal buildings and other larger commercial and industrial customers. A new website, <http://ny-sun.ny.gov/>, has been launched to provide a one-stop-shop for applicants seeking funding through the NY-Sun program.

“The NY-Sun initiative has helped establish New York State as a leader in solar power, and these investments in photovoltaic systems will allow businesses and municipalities to put in place green, cost-effective electric generating installations,” Governor Cuomo said. “In addition, these investments will further drive job growth in the state's clean power industry, and create economic development in communities across New York. I encourage all businesses and municipalities eligible for these grants to apply.”

This phase of the program is available through the end of 2013 for PV projects in New York City and upstate New York at eligible customer sites. This is an expansion – both in geographical territory and in funding – of a two-year-old program that previously focused on large PV systems for the commercial, industrial and municipal sectors exclusively in New York City, Westchester County and the lower Hudson Valley. The awards announced by Governor Cuomo stemmed from this more limited 2-year-old program.

Through the newly established NY-Sun Competitive PV Program, \$36.4 million will be available in 2012 and \$70.5 million in 2013. All projects will require co-funding to best leverage state resources with funding capped at \$3 million per project.

Proposals under the first round of the NY-Sun Competitive PV Program are due November 8 with the remaining two due dates for this program in the first and third quarters of 2013.

Francis J. Murray Jr., President and CEO, NYSERDA, said, “For the last two years, NYSERDA funding has helped spark interest in a wide variety of large solar-power projects in some of the most densely populated areas of the state. Governor Cuomo’s NY-Sun Initiative will expand and stimulate the growth and deployment of solar technology while at the same time reducing demand on the grid throughout the state.”

Public Service Commission Chairman Garry Brown said, “Governor Cuomo’s NY-Sun Initiative will help further the growth of solar energy in the state. Not only will this help diversify our energy supply and improve our environment, it will help reduce our dependence on fossil fuels and stimulate economic opportunities.”

In addition to the competitive PV program, NYSERDA has also expanded its smaller-scale solar PV program (less than 50 kilowatts) under the NY-Sun Initiative. Monthly funding under this program has increased from \$2 million to \$3.5 million for the remainder of 2012 and will continue at \$3.1 million per month in 2013. This standard offer, non-competitive open enrollment program provides funding for systems up to 7 kilowatts for residential sites and up to 50 kilowatts for non-residential sites.

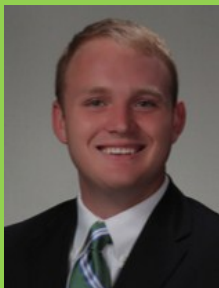
Governor Cuomo launched the NY-Sun initiative to double the amount of customer-sited solar power installed annually in New York, and quadruple that amount by 2013 benchmarked against the amount installed during 2011. This initiative brings together and expands existing programs administered by NYSERDA, NYPA and Long Island Power Authority (LIPA), to ensure a coordinated and well-funded solar energy expansion plan.



Integrated design is changing the way buildings are designed, constructed and operated; different professionals each bring an important element to the table that results in a successful, sustainable building. Education is no different: Students bring the ambition, ASHRAE offers the financial support, and together they create an educational degree that will lay the foundation for a sustainable career.

Please help ASHRAE promote the availability of **more than 20 Society scholarships** for the 2013–2014 school year, available to high school seniors entering college through senior undergraduate engineering students.

- Two High School Senior Scholarships—\$3,000 each
- Three Engineering Technology Scholarships—\$3,000 each
- Six Regional and University-Specific Scholarships—\$3,000–\$5,000 each
- 11 Undergraduate Engineering Scholarships—\$3,000–\$10,000 each



“The support the scholarship provides has relieved an enormous worry about the cost of tuition. The Willis H. Carrier Scholarship has solidified my involvement in ASHRAE and motivated me to work hard to complete my degree so that I can contribute as much to the HVAC&R industry as Willis H. Carrier has.”

Partrick McGrail, 2012-2013 recipient of the Willis H. Carrier Scholarship, secretary of the ASHRAE Kansas State Student Branch

Annual Application Deadlines:

December 1 for Undergraduate Engineering, Regional and University-specific Scholarships.

May 1 for Engineering Technology and High School Senior Scholarships.

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit www.ashrae.org/scholarships

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Why Be Involved in a Local Chapter?

- Learn about the latest technologies presented in the program sessions
- Attain continuing education credits
- Meet industry associates and discuss local concerns
- Network amongst designers, installers, vendors, educators, in your local area to help improve business for all
- Share experiences with others
- Enjoy a social hour
- Carry out ASHRAE's mission on a local level

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

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ASHRAE Proposes First Standard on Commissioning Process

ASHRAE's first standard focused on the commissioning process is open for public comment. Standard 202P, Commissioning Process for Buildings and Systems, would identify the minimum acceptable commissioning process for buildings and systems as described in ASRHAE's Guideline 0-2005, The Commissioning Process. The proposed standard is open for public review from August 17-October 1, 2012. To comment or for more information, visit www.ashrae.org/publicreviews.

By taking the best practices from the guideline, first published in 1989, and writing a standard, the requirements can be adopted by code bodies and used by standards developers, according to Gerald Kettler, chair of the Standard 202P committee. "The proposed standard will benefit the industry by ensuring that the built environment industry follows the owner's quality-oriented process for achieving, verifying and documenting that the performance of buildings, systems and assemblies meets defined criteria," he said. "Standard 202P will support the requirements in other ASHRAE standards and programs."

The commission process assumes that owners, programmers, designers, contractors and operations and maintenance entities are fully accountable for the quality of their work. The process begins at project inception and continues for the life of a facility. ASHRAE first began developing formal guidelines for commissioning in 1982, looking at documenting best practices to achieve facilities that perform according to an owner's needs and requirements. Its original guideline on commissioning was published in 1989.

Department of Energy Advances Research on Methane Hydrates

The Department of Energy (DOE) has announced the selection of 14 new research projects across 11 states that will be a part of an expanding portfolio of projects designed to increase understanding of methane hydrates' potential as a future energy supply. Methane hydrates are 3D ice-lattice structures with natural gas locked inside, and are found both onshore and offshore – including under the Arctic permafrost and in ocean sediments along nearly every continental shelf in the world. These projects will build on the [completion of a successful, unprecedented test](#) earlier this year that was able to safely extract a steady flow of natural gas from methane hydrates on the North Slope of Alaska. Find more information on methane hydrates [HERE](#).

These new projects, managed by DOE's National Energy Technology Laboratory, will focus research on field programs for deep water hydrate characterization, the response of methane hydrate systems to changing climates, and advances in the understanding of gas-hydrate-bearing deposits. While prior DOE research and outside studies have confirmed that the resource volume present appears to be substantial and the accumulations that can be explored for and produced using existing technologies are potentially numerous, significant research remains to (1) analyze the role of gas hydrates in the natural environment (2) demonstrate that gas hydrates can be produced commercially in an environmentally responsible manner and, (3) further assess resource volumes, particularly in deep water settings.

ASHRAE/NIST REFRIGERANTS CONFERENCE

October 29–30, 2012 | Gaithersburg, Maryland
www.ashrae.org/refrigerants2012

New low GWP fluorochemical refrigerants and equipment
applications for low GWP alternatives.



Notice to business card advertisers:

We are currently accepting business card advertisements for this year's newsletters. The cost of a business card ad is \$125.00. The newsletter is published monthly, September through June (ten issues). That means for \$125.00 (\$12.50 an issue), your business card ad will circulate to approximately 300 recipients a month or an advertising cost of approximately 4 cents/recipient.

If you are interested in placing an ad, please forward a business card and check (payable to ASHRAE Bi-State) to:

ASHRAE Bi-State Chapter
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Employment Opportunities

Employment ads may be submitted for inclusion in **The Exchanger** as follows:

1. \$100.000 from companies placing ad for one (1) month.
2. \$150.00 from companies placing ad for two (2) months.
3. No charge for members looking for employment.

Airflow Problems Plague CDC Bioterror Lab

A bioterror germ lab at the Centers for Disease Control and Prevention (CDC) has had repeated problems with airflow systems designed to help prevent the release of infectious agents, government documents and internal emails obtained by *USA Today* show. While CDC says no one has been infected, a biosafety expert says the problems appear to be major violations of laboratory operating standards. CDC engineers have raised written concerns about the air containment systems since at least 2010, when a meeting was held to discuss reversing the lab's airflow. According to the minutes of that meeting, CDC safety manager William Howard said: "...We can't continue to operate the building the way it is.... If (a bioterror lab inspector) finds out air is moving this direction they will shut this place down."



ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today.

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

Upcoming Meetings

Month	Date	Promotion	Main Presentation	Tech Session
September	9/19/2012	First chapter meeting of the 2012-2013 year	Tour of the Captain Lawrence Brewery in Elmsford, NY.	Absorption Chiller Technology
October	10/15/2012	Research Promotion	Joint meeting with AIA Westchester at their Design Expo Event, Westchester Marriott	
November	11/14/2012	Membership Promotion	Boiler Manufacturer Plant Tour	
December	12/12/2012	Sustainability	ASHRAE Distinguished Lecturer James R. Tauby P.E. — Seismic Restraint and Vibration Isolation	
January	1/9/2013	Student Activities		
February	2/13/2013	Research Promotion		
March	3/13/2013	Membership Promotion		
April	4/10/2013	Sustainability	Nahom A. Gebre, Esq., P.E. Risk Management Attorney Victor O. Schinnerer & Company, Inc. — Engineering Design Liability Issues	
May	5/8/2013	Student Activities		
June	6/12/2013	Student Scholarships	Golf Outing	

Arctic Sea Ice at Record Low, Expected to Continue Melting

The area of floating sea ice in the Arctic has fallen to its lowest size ever observed, researchers reported recently. Moreover, the ice is still shrinking and is not expected to reach its minimum until sometime in September. The average shrinkage of the ice has been increasing steadily since 2007, and researchers attribute the loss to global warming, which is causing warmer temperatures in the region.

On August 27, 2012, the extent of the Arctic sea ice was 1.58 million miles, which is 27,000 square miles below the previous record set on Sept. 18, 2007, according to researchers from the University of Colorado’s National Snow and Ice Data Center. That is about 1 million square miles lower than the average minimum extent observed between 1979 and 2000 -- an area about the size of Alaska and Texas combined.

“It’s a little surprising to see the 2012 Arctic sea ice extent in August dip below the record low 2007 sea ice extent in September,” said climatologist Walt Meier of the center. “It’s likely we are going to surpass the record decline by a fair amount this year by the time all is said and done.”

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Attend the ASHRAE Winter Conference - January 26-30, Dallas, Texas

Deep in the heart of Texas, where the stars at night are big and bright, ASHRAE members will convene in Dallas to corral energy use and blaze the way in high performing building design.

Join the Society as it returns to Dallas for the 2013 Winter Conference, Jan. 26-30, Dallas, Texas. The ASHRAE co-sponsored AHR Expo® is also held in conjunction with the Conference, Jan. 38-30, Dallas Convention Center. This is your opportunity to:

- Network and reconnect with other members and old friends
- Build on your education and earn professional credits at ALL courses
- Update your library with the most recent publications from the ASHRAE Bookstore
- Stay informed on the latest advancements in the industry, while earning PDHs, during technical sessions
- Examine new and innovative technology at the AHR Expo
- Relax and mingle at social events and general tours

Registration for the conference will open on September 1. Information on the Dallas Conference can be found at www.ashrae.org/dallas



Leadership U Program Shapes the Future of the Society

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Here is your chance to find out! Through Leadership U (offered by the YEA Institute), up to four YEA members are selected for each conference to be matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

If selected to participate in Leadership U, the costs of attending the 2013 Winter Conference in Dallas (transportation, lodging and registration) will be covered by ASHRAE. In addition, those selected will document their experiences and share them with the YEA Committee, their chapter and their region.

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of December 31, 2012.

Deadline: All applications must be received by Monday, October 15, 2012. Applications are posted at www.ashrae.org/yea.

If you have any questions about Leadership U or the application process, please contact Rhiannon Loomis at rloomis@ashrae.org or 678-539-1178.




Important Manual for Chapter Operations Update

Members Council approved a recommendation to revise Section 6, Chapter Publications in the Manual for Chapter Operations (MCO). This change was made because of the number of complaints received concerning distribution of member contact information to companies and vendors. The majority of the complaints were traced back to the chapter product directories. Due to the ASHRAE privacy policy, revisions to the MCO were needed. Section 6 is posted on the ASHRAE website on the MCO [webpage](#). All revisions made have been highlighted in this section.

For more information concerning the MCO, chapters or regions, please contact Vickie Grant at vgrant@ashrae.org or 678-539-1156.

- [Chapter Publications \(Section 6\)](#)



Bring a Distinguished Lecturer to Your Chapter

Follow these Easy Steps

- Contact your Chapter Technology Transfer Committee Regional Vice Chair (RVC) to find out if your chapter has been allocated a visit (RVC contact information is available on the DL webpage)
- Select a DL and topic from the database on the DL webpage
www.ashrae.org/distinguishedlecturers

- Contact the DL to confirm the chapter visit
- Submit the Participation Form (available on the DL webpage) to your CTTC RVC

If you have questions, please contact Tammy Catchings at 678-539-1123 or tcatchings@ashrae.org.

Deadline Approaching for ASHRAE Technology Awards

ASHRAE Technology Award entries for the Society-level competition are due to your Chapter Technology Transfer Committee (CTTC) Regional Vice Chair before September 1. Be the winner of ASHRAE's most prestigious honor for efficient use in building and environmental system performance. Visit www.ashrae.org/technologyawards for information and the application form.



ASHRAE Specialty Conferences Highlight Current Topics

Sharpen your skills in Energy Modeling, Refrigerants or Cold Climate Design at one of ASHRAE's three upcoming specialty conferences taking place in October and November 2012. These conferences feature peer-reviewed papers, presentations with hands-on information presented in a non-commercial format, Professional Development Hours and networking opportunities.

Energy Modeling Conference Oct. 1–3, 2012 Atlanta, Georgia



Building on the successful Energy Modeling Conference format in April 2011, this conference highlights numerous hands-on application-type presentations. Of special interest is the interactive session with modeling software developers presenting common modeling scenarios on how their specific software can model a scenario, whether there are any limitations and what might be the best work around and exceptional modeling practices to obtain acceptable results when the tool cannot model the scenario "out-of-the-box."

www.ashrae.org/EMC2012

ASHRAE/NIST Refrigerants Conference Oct. 29–30, 2012 Gaithersburg, Maryland



This conference provides an opportunity for participants to learn about the latest information on alternative refrigerants, likely time schedules, transition requirements, environmental effects of refrigerants, new refrigerant performance considerations and what will be required to phase-out the use of high GWP refrigerants with alternatives and other technologies. This is the fourth jointly sponsored conference between ASHRAE and the National Institute of Standards and Technology (NIST) and presents peer-reviewed papers.

www.ashrae.org/Refrigerants2012

7th INTERNATIONAL COLD CLIMATE HVAC CONFERENCE Nov. 12–14, 2012 Calgary, Alberta, Canada



The principal objective of Cold Climate HVAC 2012 is to provide key elements of a strategy by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy. Some 60 peer-reviewed papers presented by diverse, international authors showcase world-wide perspectives and practices in cold climate design.

www.ashrae.org/ColdClimate

To find out more about ASHRAE's conferences, visit www.ashrae.org/events.