Tuesday, October 9, 2012

“Refrigeration”

First Speaker: Steven Friedman, PE, HFDP, LEED AP BD+C
The Now and Future and Engineering Challenges: This refrigeration lecture will focus on the importance of refrigeration, different types of current and alternative refrigerant use, refrigeration as it relates to Energy Efficiency-ASHRAE Standard 90.1, High Performance Buildings-ASHRAE Standard 189.1, Sustainable Design (LEED) and the ASHRAE Building Energy Quotient (BEQ). The lecture will finish with two refrigeration case studies both within Region 1

Second Speaker: Mark Cambria, PE, LEED AP BD+C, CCP
Sustainable Solutions in Supermarkets: A case study of the Milt Garland Award winning, LEED Silver Certified Supermarket told from the perspective of the commissioning agent. The presentation focuses on the technologies that were successfully employed to save energy, and the challenges and complexities surrounding the delivery of a cohesive project.

Please note: Due to two presentations at this month’s meeting, we will be starting the meeting 30 minutes early. Please see page 3 for additional information.

RSVP Deadline for this meeting is 12:00pm on Friday, October 5, 2012
RSVP Cancellation Deadline for this meeting is 12:00pm on Friday, October 5, 2012.

Please RSVP to Mike Gilroy at mpg@brplusa.com. Upon receiving RSVP, a confirmation email will be sent back to confirm your reservation. If you do not receive a confirmation email, please RSVP again.

You can also RSVP and pay in advance using PayPal on the ASHRAE Boston Chapter Website, www.ashraeboston.org.

Only cash or check will be accepted in person at this month’s meeting. We apologize for any inconvenience that this may cause.

Thank You

Special Thanks to All Sponsors for
Region I Chapter Regional Conference and 100th Anniversary Gala for the Boston Chapter

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PRESIDENT’S MESSAGE

By: Stephen Nicholas

This month's meeting will be a two part presentation which will be good for 2.0 PDH's. This will be an excellent opportunity for the licensed engineers attending the meeting next month.

The Boston ASHRAE Chapter is looking for volunteers to serve on committees and the Board of Governors. If you are interested in serving the Chapter in this capacity please contact me or any of the Chapter officers.

I look forward to seeing you this month.

Steve Nicholas

MEMBERSHIP PROMOTION

By: Dan Denisi

Greetings ASHRAE Boston, our October 9th meeting is fast approaching and I hope to see all of you there.

I would like to again encourage all members to verify that your ASHRAE bio is current and up-to-date, especially your email address. As this is the main method of providing Society and Chapter news to you, including meeting notices and useful membership notices, it's important the chapter have the correct information on file.

To update your bio, go to www.ashrae.org and log in with your chapter screen name. Under Member Central (in upper left hand corner), click on “Update Your Bio” and go through each of the small blue tabs to enter/update your information.

As we're now into a new ASHRAE Boston year, I would like to remind everyone to verify their dues are up-to-date. You may renew your membership online by following the same login procedure as above. After login go to the Member Center tab, click on “Renew Membership” and follow the instructions.

As a side note, the Membership Promotion Committee is still in need of volunteers. If you are looking to become more involved with the Boston Chapter and can dedicate some time each month, consider serving on the MP Committee. Volunteers are both needed and much appreciated.

If you would like to volunteer on the Membership Promotion Committee or have any questions concerning your membership, please do not hesitate to contact me at dandenisi@yahoo.com.

Take care,

Dan

EDITOR’S NOTE

By: Stephanie Lafontaine

Materials for the October newsletter are due by October 26, 2012. Please submit employment/want ads in .pdf, .doc or .jpg format. A company logo may also be included. Please send me any ideas you would like to share or include in next month’s issue. Please see the website for additional information www.ashraeboston.org.

For more information, please call or e-mail me at: (857) 221-5942, northeastaire@gmail.com
Meet the October Meeting Speakers

**Steven Friedman, PE, HFDP, LEED AP BD+C**

Bio: Mr. Friedman brings over 24 years of engineering design and construction experience specializing in the healthcare facilities industry. Mr. Friedman was the first New York State engineer certified as a Healthcare Facility Design Professional, recognized by the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) for his mastery of the technical knowledge covering design and operation of healthcare facilities.

Mr. Friedman received a Bachelor’s degree in Mechanical Engineering in 1988 from State University of New York, College of Technology in Farmingdale, NY. He is a licensed Professional Engineer, a Certified Healthcare Facility Design Professional and a LEED 2.2 Accredited Professional.

Steve is a member of the United States Green Building Council (USGBC), American Society of Healthcare Engineers (ASHE) and ASHRAE. He has served on the Board of Governors for the Long Island Chapter of ASHRAE since 2000, finishing his active duty as President in 2008-2009. Opting to further his leadership role, he was appointed to ASHRAE’s Regional level as Refrigeration Chair for years 2009 through 2011 and the Society level Refrigeration Committee, aimed at setting refrigeration standards, promoting ozone friendly refrigerants for responsible project sustainability and refrigeration equipment efficiency.

**Mark Cambria, PE, LEED AP BD+C, CCP**

Bio: Mark graduated from Stevens Institute of Technology (Hoboken, NJ) with a Bachelor of Engineering degree in mechanical engineering and started in the engineering consulting industry for AKF Engineers, NYC in 1998. In 2005, he moved from Staten Island to upstate NY where he continued in the consulting engineering field, shifting his career focus to building commissioning and controls design. In 2010, Mark served as the ASHRAE Northeast Chapter president, and continues to remain active in on the Regional level as incoming Regional Vice Chairman of the Refrigeration Committee for ASHRAE Region I. Having well over 1 million square feet of commissioning experience, he is a Certified Commissioning Professional by the Building Commissioning Association. Mark is a LEED AP with specialty in Building Design and Construction, and manages MEP design and commissioning projects for higher education and industrial clients, and for architects throughout the Northeast. Mark is currently the HVAC Group Manager for M/E Engineering’s Schenectady, NY office, and he is a licensed professional engineer in NY, MA, NH, VT, CT. He resides in Halfmoon, NY with his wife and two boys.

September Meeting Menu

**Starter:**
Tomato Basil Bisque

**Main:**
Pan Seared Breast of Chicken

**Dessert:**
Chocolate Decadence Cake with Berry Coulis

Meeting: Stacie Suh
Manager: stacie@stebbinsduffy.com
Location: Embassy Suites
55 Winter Street
Waltham, MA

Time: 5:00 Social Half Hour
5:30 Dinner
6:15 Main Program

Cost: ASHRAE Boston Members: $35
Non-Members/Walk-ins: $45
ASHRAE Student Members: Free

**New this year! Registrations and payments can be made via PayPal!**

**Visit our website at**

**http://wwwashraeboston.org/meeting-registration.html.**

2012 Product Guide

The updated edition of the Product Guide directory has been posted on the ASHRAE Boston website at www.ashraeboston.org. The Product Guide includes a cross referenced list of local engineers, representatives, wholesalers, contractors and affiliated organizations engaged in the HVAC field.

Please look out for the email from our committee next year for more information on electronic 2013 Roster & Product. Any questions, please contact Stacie Suh at stacie@stebbinsduffy.com and Teri Shannon at tshannon@dac-hvac.com.
I want to thank Dean Larson and the folks at Boston Properties for hosting the tour last month at the corporate headquarters of Biogen Idec in Waltham, MA, a USGBC LEED Platinum Shell & Core facility.
This month I would like to talk to you about the definition of sustainability. Wikipedia defines it as the long term maintenance of responsibility, which has environmental, economic, and social dimensions, and encompasses the concept of stewardship, the responsible management of resources and systems. What does that mean to the design engineer?

Many people look at sustainability and try to put their own definition that is comfortable to them, myself included. As an Energy Engineer I tend to focus on making facilities more efficient. What I have found is that many engineers forget about the total focus of sustainability. For example, when you convert a hydronic system from primary secondary pumping to a variable primary system you can eliminate a set of pumps. You also reduce the pumping energy. You are more energy efficient and more sustainable.

Now let’s go the next step. When you install VFDs on pumps why do you need a circuit setter or balancing valve? If you have designed the pump set with redundancy you can reduce the pressure loss by eliminating that valve (you may still need a check or stop valve). This reduces the cost of construction and reduces the net pumping head. Last but not least are small pumps. Many designers install small circulators for various end devices. Why not install a pump with an integral VFD and use that VFD as your balancing control? Reducing the net pumping head, and reducing the net energy.

These are just a few observations from the field that can keep your projects sustainable and on track towards more efficiency.

If you have any subjects you are looking for us to address reach out to any of our members or directly to Jim Armstrong @jarmstrong@siemens.com. Our objective is to educate our membership in sustainability. Thinking with the end in mind and balancing the systems to meet the loads of the buildings.

As seen in the 1935 Edition of the ASHVE Guide (as applicable today as it was then):

**CODE of ETHICS for ENGINEERS**

ENGINEERING work has become an increasingly important factor in the progress of civilization and in the welfare of the community. The engineering profession is held responsible for the planning, construction and operation of such work and is entitled to the position and authority which will enable it to discharge this responsibility and to render effective service to humanity.

That the dignity of their chosen profession may be maintained, it is the duty of all engineers to conduct themselves according to the principles of the following Code of Ethics:

I. The engineer will carry on his professional work in a spirit of fairness to employees and contractors, fidelity to clients and employers, loyalty to his country and devotion to high ideals of courtesy and personal honor.

II. He will refrain from associating himself with or allowing the use of his name by an enterprise of questionable character.

III. He will advertise only in a dignified manner, being careful to avoid misleading statements.

IV. He will regard as confidential any information obtained by him as to the business affairs and technical methods or processes of a client or employer.

V. He will inform a client or employer of any business connections, interests or affiliations which might influence his judgment or impair the disinterested quality of his services.

VI. He will refrain from using any improper or questionable methods of soliciting professional work and will decline to pay or to accept commissions for securing such work.

VII. He will accept compensation, financial or otherwise, for a particular service, from one source only, except with the full knowledge and consent of all interested parties.

VIII. He will not use unfair means to win professional advancement or to injure the chances of another engineer to secure and hold employment.

IX. He will cooperate in up-building the engineering profession by exchanging general information and experience with his fellow engineers and students of engineering and also by contributing to work of engineering societies, schools of applied science and the technical press.

X. He will interest himself in the public welfare in behalf of which he will be ready to apply his special knowledge, skill and training for the use and benefit of mankind.
Did you know that 100% of the money donated to Research Promotion actually goes towards Research? In fact, our Region receives over $4 toward research projects and grants for every $1 donated to ASHRAE Research Promotion.

ASHRAE has a general fund that pays for the remaining expenses, such as salaries, travel, reimbursements, etc. So when you donate to ASHRAE Research, every dollar actually goes into the funding of research development that gives us the information we use on a daily basis from the ASHRAE Handbooks and various other standards and information material that ASHRAE supplies!

This year our Chapter Goal is over $20,000, slightly up from the previous two years. Please help out the Chapter by donating to ASHRAE Research Promotion today, no amount is too small.

**Mission: To improve the quality of life and to answer tomorrow’s questions through research TODAY.**

Over $2 million is raised annually to help fund $16 million in research projects and student grant-in-aides. There are over 80 research projects and student grant-in-aides going on.

Research is used to update the Society's standards and guidelines.

Contributions come from more than 6,700 members, non-members, and companies. 100% of all funds raised go directly to research projects that support the HVAC&R industry.

Active research projects are conducted all around the world at various universities and organizations.

ASHRAE is qualified 501(c)3 and all contributions are tax deductible.

Please fill out the form in this newsletter and mail it to me with whatever contribution you can make or you can go to the ASHRAE Boston website at [www.ashraeboston.org](http://www.ashraeboston.org).

Mailing Address: BR+A Consulting Engineers
   c/o Patrick Duffy
   311 Arsenal St
   Watertown, MA 02474

Click on the Donation Form under Research & Promotion, or go there directly with this link: [http://www.ashraeboston.org/researchpromo/donation-form.html](http://www.ashraeboston.org/researchpromo/donation-form.html)

Credit card payments can also be made via Society's ASHRAE website via this link: [https://www.ashrae.org/aboutus/resource_promotion.asp](https://www.ashrae.org/aboutus/resource_promotion.asp)

I would like to give a big **THANK YOU** the following members and Companies for making donations to RP!

**SY 2012 – 2013 September Donors**

Michael Carr
David DeMoura, PE
Richard Dirienzo
Gary Elovitz
Dhanbir Nayar, PE
Robert Persechini
Albert Santoro
John Wright
Hello YEA members!

Boston Chapter held its first meeting at the Weston Corporate Center in Waltham, MA. This building is a USBGC LEED Platinum Certified building. The Weston Corporate Center is the home of Biogen Idec's new corporate headquarters and features a sustainable chilled water system utilizing an abandoned quarry as a renewable source of chilled water. It was great to see a lot of the YEA members attend the tour and the meeting after at the Embassy Suites in Waltham.

Our next meeting will be presented by Steve Freidman and Mark Cambria on the importance of refrigeration, different types of current and alternative refrigerant use, refrigeration as it relates to Energy Efficiency, ASHRAE Standard 90.1, High Performance Buildings-ASHRAE Standard 189.1, Sustainable Design (LEED) and the ASHRAE Building Energy Quotient (BEQ) which ties in with a case study of the Milt Garland Award winning, LEED Silver Certified Supermarket told from the perspective of the commissioning agent.

Please RVSP to Mike Gilroy at mpg@brplusa.com, Attendance Chair by no later than Friday, **October 5, 2012** at 12pm.

What makes an ASHRAE leader? Leadership U! ASHRAE returns to Dallas in January, and this time, up to four YEA members will experience the meeting in a very unique way. The Leadership U program will match these YEA members with Society officers, giving them the opportunity to attend meetings, expand their knowledge and gain a new perspective that is unique to this experience. This program is an ideal way to support the future leaders of ASHRAE and the industry - apply today! Find more information and the application at [www.ashrae.org/leadershipu](http://www.ashrae.org/leadershipu). Applications are due by Monday, **October 15, 2012**.

Engineering for Change (E4C) was founded in the spirit of engineers' harnessing a common passion for designing and applying creative technical solutions to a broad range of significant humanitarian challenges. As an E4C Network Supporter, ASHRAE encourages our members to get involved with E4C. To learn more about E4C and how you can participate, join us for a free webinar scheduled for 12pm EST on Tuesday, October 30th. Learn more at [www.ashrae.org/e4c](http://www.ashrae.org/e4c) or [register for the webinar](#).

We will be hosting YEA events throughout the year and we would really appreciate your input. Please send us your ideas! YEA events are great way to network with other engineers in this industry and also have a lot of fun.

If you are on facebook, check out [www.facebook.com/ashraeYEA#!/ashraeYEA](http://www.facebook.com/ashraeYEA#!/ashraeYEA). Be sure to join Young Engineers in ASHRAE (YEA) on Facebook. Also check out ASHRAE YEA Connection Newsletter. If you are not currently subscribing to the newsletter and want to subscribe, please contact youngengineers@ashrae.org. Please contact Siobahn or I with any questions and concerns at stacie@stebbinsduffy.com / siobhan@andelmanlelek.com
Every month, prior to the Main Program, the Boston Chapter of ASHRAE’s Board of Governors meet to discuss Chapter business. This article, based on the Secretary Meeting Minutes, shall serve as an informative summary for members as to what is happening behind the scenes of the Boston Chapter. Please feel free to contact me with any questions or for additional information.

ASHRAE Boston Chapter Board of Governors meeting was not held in September

STUDENT ACTIVITIES

By: Dan Diorio

The first official Boston Chapter meeting will be on Tuesday, October 9. This month’s newsletter is full of information about the meeting and you’ve probably already received the invitation. The reason I bring it up is because I’d like to have a strong Student Member turnout for the first meeting. As you know, the Boston Chapter Student Activities Committee receives PAOE points for Region 1 when students and faculty advisors attend the meetings. So let’s start racking up points early!

As I mentioned in last month’s article, I am really going to be pushing participation from the Boston Student Chapters in the Society’s Student Design Competition this year. If you go to www.ashrae.org/membership--conferences/student-zone there is information on the 2013 competition. The 2013 competition will focus on a high-rise residential building. On the same webpage, you will also find the results from 2012. If you click a bit deeper, you can open the actual projects/entries from the 2012 winners.

The Student Chapters from Northeastern University and Massasoit Community College came to Boston College early in 2012 to tour Stokes Hall during construction. The building is just weeks from completion and will be officially opening for the spring 2013 semester. I am looking to bring groups back for a tour of the finished product if there is interest. Please be on the lookout for an invitation in the coming weeks.

I can always be reached at daniel.diorio.2@bc.edu if you’re interested in becoming part of the Student Activities Committee.

Presidential Award of Excellence

Boston Chapter - 2011 ~2012

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<th>Chapter</th>
<th>Membership Promotion Points</th>
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CTTC - TEGA COLUMN

By: Paul Hanbury

COMNET Launches Energy Modeling Portal

COMNET is a quality assurance initiative with a mission to standardize building energy modeling. Managed by the New Buildings Institute with support from the Architectural Energy Corporation, Institute for Market Transformation, and RESNET, COMNET developed a set of energy modeling guidelines and procedures (MGP) that governs this standardization to create consistent baselines relative to various energy codes. COMNET extends and supports existing systems for assessing and rating the energy efficiency of new commercial and multifamily buildings in the United States and offers quality assurance services to green building rating agencies, energy code authorities, utility energy efficiency programs, and other programs that rely on, or require, energy models.

In August, the COMNET team - along with its several committees that include ASHRAE, U.S. Green Building Council, U.S. Department of Energy, U.S. Environmental Protection Agency, Natural Resources Defense Council, and the California Energy Commission - launched its first commercial product, which allows design teams to directly upload their building energy modeling information into LEED Online.

Free to use during its introductory phase, the COMNET Energy Modeling Portal can save substantial time and also offers basic quality assurance features to reduce errors in LEED submittals to GBCI. The portal supports two file types - legacy outputs from eQUEST (.sim files) and COMNET XML standard output files. Currently, Trane TRACE™ 700 and EnergySoft's EnergyPro v5.1 have enabled COMNET XML outputs, and several other software vendors are developing this capacity.

Government Affairs Update, 09-07-2012

For more information, visit:

COMNET: www.comnet.org
COMNET Energy Modeling Portal: www.comnet.org/mgp/portal/?purpose=0
Modeling Guidelines and Procedures (MGP): www.comnet.org/mgp/?purpose=0

EMPLOYMENT ADS

ASHRAE Boston Chapter – Employment Ads

The NorthEastAire is published monthly, September through June. It is posted on the Chapter website at www.ashraeboston.org. A link is sent each month to all members of the Chapter, currently over 900.

**Newsletter Rate:**
- $200 for 1/4 page
- $400 for 1/2 page
- $800 for full page

**Website Rate:** $300 per calendar month

**Format:** Word format, company logos in .jpg or .gif

**Deadline for November Newsletter:** October 26, 2012

Any questions, please contact Stephanie Lafontaine, Newsletter Editor at 857-221-5941 or northeastaire@gmail.com
ASHRAE BOSTON
UPCOMING EVENTS

Visit www.ashraeboston.org/index.html for more information.

October Meeting
When: October 9, 2012
Where: Waltham, MA

November Meeting
When: November 13, 2012
Where: SMACNA Boston

December Meeting
When: December 11, 2012
Where: Lantanna’s Randolph

Sustainable Performance Institute
UPCOMING EVENTS
Visit http://sustainable-performance.org/events for more information. All event location is at 38 Chauncy St, 7th FL. Boston, MA 02111.

AFE Chapter 74-Worcester Area-Central MA
UPCOMING EVENTS

USGBC MASSACHUSETTS CHAPTER
UPCOMING EVENTS
Visit www.usgbcma.org for more information.

IFMA BOSTON CHAPTER
UPCOMING EVENTS
Visit http://www.ifmaboston.org/events.html for more information.

AEE NEW ENGLAND CHAPTER
UPCOMING EVENTS

IBPSA BOSTON CHAPTER
UPCOMING EVENTS

WEBMASTER’S NOTES
By: Steve Rosen

The ASHRAE Boston website www.ASHRAEBoston.org will be redesigned as we start our second century!

After our 100th Anniversary Gala Celebration (photos on the website!) this past August, our website designer Donna Harrington of Avant-garde Graphics, Inc. will be revamping our website!

We will be keeping the site current with information. Check back often!

On the Employment page (under the Chapter Updates section), not only will you see job opportunities, but we are now accepting resumes to post for free from any ASHRAE member in good standing looking for work!

Let employers find you on the ASHRAE Boston website! We will continue this year to post past meeting presentations for our members to review, and our Chapter is continuing our efforts to reduce waste by eliminating printed handouts at our meetings. As always you will also be able to link to following:

- Chapter officers and committee chairs contact information (who’s who)
- Chapter monthly meeting info (when, what, where)
- Region I website and view the Chapter history
- Sign up for the e-mailed newsletter
- ASHRAE membership information
- Current chapter newsletter, past newsletters
- Upcoming events and future meetings
- Other functional Chapter committee pages
- Membership, RP, SA, Programs, CTT
- Most recent and past BOG/Meeting minutes
- Online monthly meeting payment system
SOCIETY NEWS

Additional Combustion Safety Testing Options Proposed for ASHRAE Residential IAQ Standard

ATLANTA – Additional methods to demonstrate combustion safety – an area of major concern for homes in weatherization programs – are being proposed for ASHRAE’s residential indoor air quality standard.

ANSI/ASHRAE Standard 62.2-2010, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings, defines the roles of and minimum requirements for mechanical and natural ventilation systems and the building envelope intended to provide acceptable indoor air quality in low-rise residential buildings.

Three proposed addenda to Standard 62.2-2010 currently are open for public review. For more information, visit www.ashrae.org/publicreviews.

Standard 62.2 currently has limits on exhaust that are based on specific assumptions about the house, specifically that the house is fairly tight. Proposed addendum w would provide professionals working in existing homes additional methods to demonstrate combustion safety, according to Paul Francisco, vice chair the Standard 62.2 committee. This addendum allows users to consider the attributes of the actual house when assessing combustion safety to determine whether there are conditions for sufficient depressurization to cause spillage of backdrafting of a combustion appliance. This is typically an issue for atmospherically-vented appliances, usually caused by some combination of excessive exhaust, duct leakage and door closures that cause pressure imbalances.

“Combustion safety is a major issue for weatherization programs that are using Standard 62.2,” Francisco said. “The majority of homes in those programs are leakier than the assumed leakage in the current 62.2 exhaust flow limit, even after retrofit. The current limit in 62.2 can prescriptively preclude them from using an exhaust option even though from a performance standpoint there would not be a problem.”

A secondary impact is that addendum w makes it clear that existing combustion appliances do not need to be brought up to current code as a minimum requirement of 62.2, while reinforcing that any new installations must be to code.

“The issue of bringing appliances up to code is also an issue for weatherization programs,” Francisco said. “There are many appliances installed that operate satisfactorily despite not being installed to the latest code. With the limited budgets of retrofit programs, as well as rules in some programs prohibiting spending these limited dollars bringing existing appliances up to code unless there is a demonstrated active concern, making it clear that it is a not a mandatory requirement of 62.2 makes it easier for these programs to fully adopt 62.2 while still delivering a final result that is safe for the residents.”

One other addendum is open for public review from Sept. 14 until Oct. 14, 2012. The Standard 62.2 committee received comments from users of the standard, especially on addendum n, who did not understand which height was to be used when calculating the Normalized Leakage. Proposed addendum v would clarify the intent of the standard on how to calculate the building height.

Also open for public review from Sept. 14 until Oct. 29 is addendum u, which simplifies compliance with the intermittent ventilation requirements of Section 4.5 if the duty cycle is three hours or less. Under the current wording, designers of intermittent systems had to calculate a ventilation effectiveness factor even if operating the system 90 percent of the time with a duty cycle of one hour. This proposed addendum returns to the three hour maximum duty cycle from earlier editions of 62.2 before the ventilation effectiveness factor must be reduced below 1.0. This will simplify compliance for 80 percent of the users of 62.2. It also addresses the use of two or more fans to provide the required ventilation rate.

For more information, visit www.ashrae.org/publicreviews.

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, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today.

For Release: September 25, 2012 Contact: Jodi Scott / Public Relations /678-539-1140 or jscott@ashrae.org
ASHRAE Society Updates

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. 30-30, 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 ALI 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.
Notice to Members (and Non-Members)

In an effort to clean up our meeting mailing list, we are asking that all ASHRAE members log in and ensure their information is current and up-to-date, especially the e-mail address. We would like to minimize the amount of returned mail notices that are received plus ensure that our members are receiving the meeting notices in a timely manner. We will soon be switching to sending emails only to members at the email addresses that are listed with ASHRAE. If you are not sure that you have recently updated you information (especially email address!) please take a minute login to http://www.ashrae.org/ with your membership card and update your information. For those that are no longer members, please consider re-upping or follow the new mailing list procedure below.

For all non-members, if you wish to continue receiving notices of the meetings you must opt in by sending a specific request to remain on the mailing list. Please send your request to Enrique de los Reyes at Enrique.de.los.Reyes@mail.ashrae.org. Again this will help to keep our mailing list up-to-date. **As of October 30, all non-members who have not requested to be on the mailing list in this manner will be removed from the list.**

Thank you in advance for your assistance.

Regards,

Dan Denisi  
Membership Promotion Chair

Enrique de los Reyes  
Membership Promotion Committee

Mike Gilroy  
Attendance Chair

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**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.

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**7th INTERNATIONAL COLD CLIMATE HVAC CONFERENCE**

November 12–14, 2012 | Calgary, Alberta  
www.ashrae.org/coldclimate

International applications and innovations in cold climate HVAC design.
<table>
<thead>
<tr>
<th>Date</th>
<th>Main Program</th>
<th>Speaker</th>
<th>PDH Credits</th>
<th>Meeting Manager</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>September</td>
<td>LEED Platinum Building Tour</td>
<td>TBD</td>
<td>N/A</td>
<td>Stephen Nicholas</td>
<td>Weston Corporate Center</td>
</tr>
<tr>
<td>Tuesday,</td>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:snicholas@airinds.com">snicholas@airinds.com</a></td>
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<tr>
<td>September 18,</td>
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<tr>
<td>October</td>
<td>Refrigeration - The Now and Future and Engineering Challenges &amp; Sustainable</td>
<td>Steve Friedman &amp; Mark Cambria</td>
<td>2.0</td>
<td>Stacie Suh</td>
<td>Embassy Suites, Waltham</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Solutions in Supermarkets</td>
<td></td>
<td></td>
<td><a href="mailto:Stacie@stebbinsduffy.com">Stacie@stebbinsduffy.com</a></td>
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<td>October 9,</td>
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<tr>
<td>November</td>
<td>SMACNA Facility Tour</td>
<td>TBD</td>
<td>TBD</td>
<td>Bob Persechini</td>
<td>SMACNA Boston</td>
</tr>
<tr>
<td>Tuesday</td>
<td>History/Research Promotion</td>
<td></td>
<td></td>
<td><a href="mailto:rpersechini@rdkengineers.com">rpersechini@rdkengineers.com</a></td>
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<tr>
<td>November 13,</td>
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<tr>
<td>December</td>
<td>Soldering &amp; Brazing of Copper Piping Systems</td>
<td>TBD</td>
<td>TBD</td>
<td>Dan Diorio</td>
<td>Lantanna’s, Randolph</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Joint Meeting with ASPE</td>
<td></td>
<td></td>
<td><a href="mailto:daniel.diorio.2@bc.edu">daniel.diorio.2@bc.edu</a></td>
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<tr>
<td>December 11,</td>
<td></td>
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<tr>
<td>January</td>
<td>High Efficiency Run Around Loop System</td>
<td>Rudolf Zengerle</td>
<td>1.5</td>
<td>Teri Shannon</td>
<td>Embassy Suites, Waltham</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Membership/YEA</td>
<td></td>
<td></td>
<td><a href="mailto:tshannon@dac-hvac.com">tshannon@dac-hvac.com</a></td>
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<tr>
<td>January 8,</td>
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<tr>
<td>February</td>
<td>High Performance Buildings 189.1</td>
<td>Dru Crawley</td>
<td>TBD</td>
<td>Stephen Nicholas</td>
<td>Embassy Suites, Waltham</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Past President’s/YEA</td>
<td></td>
<td></td>
<td><a href="mailto:snicholas@airinds.com">snicholas@airinds.com</a></td>
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<tr>
<td>February 12,</td>
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<tr>
<td>March</td>
<td>Organic Rankine Cycle</td>
<td>TBD</td>
<td>N/A</td>
<td>Jim Armstrong</td>
<td>Embassy Suites, Waltham</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Joint Meeting with AEE Student Night/Research Promotion</td>
<td></td>
<td></td>
<td><a href="mailto:jarmstrong@e-amens.com">jarmstrong@e-amens.com</a></td>
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<tr>
<td>March 6, 2013</td>
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<tr>
<td>April</td>
<td>Upcoming Changes to LEED Energy Credits</td>
<td>Chris Shaftner</td>
<td>N/A</td>
<td>Bob Persechini</td>
<td>Embassy Suites, Waltham</td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:rpersechini@rdkengineers.com">rpersechini@rdkengineers.com</a></td>
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<tr>
<td>April 9, 2013</td>
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<tr>
<td>May</td>
<td>Installation of Officers</td>
<td>TBD</td>
<td>N/A</td>
<td>Teri Shannon</td>
<td>TBD</td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
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<td></td>
<td><a href="mailto:tshannon@dac-hvac.com">tshannon@dac-hvac.com</a></td>
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<tr>
<td>May 14, 2013</td>
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<tr>
<td>June</td>
<td>Golf Outing</td>
<td>N/A</td>
<td>N/A</td>
<td>Bill Garvey</td>
<td>Halifax Country Club, Halifax, MA</td>
</tr>
<tr>
<td>Monday</td>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:wgarv@aol.com">wgarv@aol.com</a></td>
<td></td>
</tr>
<tr>
<td>June 3, 2013</td>
<td>Research Promotion</td>
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</tr>
</tbody>
</table>
# 2012 - 2013
## BOSTON CHAPTER OFFICERS, BOARD OF GOVERNORS & CHAIRPERSONS

### OFFICERS

**President**  
Stephen Nicholas, Air Industries  
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**Treasurer**  
William Garvey  
781-910-9576  
wgarv@aol.com

### BOARD OF GOVERNORS

**2012 - 2015**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pat Duffy</td>
<td>BR+A</td>
<td>617-925-8253</td>
<td><a href="mailto:dj@brplusa.com">dj@brplusa.com</a></td>
</tr>
<tr>
<td>Jeffrey H. Schultz</td>
<td>AHA Engineers</td>
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</tr>
<tr>
<td>Jim Liston</td>
<td>Suffolk Construction</td>
<td>978-223-9143</td>
<td></td>
</tr>
<tr>
<td>Darcy Carbone</td>
<td>Stebbins Duffy, Inc.</td>
<td>617-957-2567</td>
<td><a href="mailto:dcarbone@stebbinsduffy.com">dcarbone@stebbinsduffy.com</a></td>
</tr>
</tbody>
</table>

**2011 - 2014**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Armstrong</td>
<td>Siemens Industry, Inc.</td>
<td>781-774-8360</td>
<td><a href="mailto:jarmstrong@siemens.com">jarmstrong@siemens.com</a></td>
</tr>
<tr>
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<td>BR+A</td>
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<td><a href="mailto:wkt@brplusa.com">wkt@brplusa.com</a></td>
</tr>
<tr>
<td>William Garvey</td>
<td></td>
<td>781-910-9576</td>
<td><a href="mailto:wgarv@aol.com">wgarv@aol.com</a></td>
</tr>
</tbody>
</table>

**2010 - 2013**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>Dan Denisi</td>
<td>BVH Integrated Services</td>
<td>617-658-9008</td>
<td><a href="mailto:dand@bvhis.com">dand@bvhis.com</a></td>
</tr>
<tr>
<td>Stacie Suh</td>
<td>Stebbins Duffy, Inc.</td>
<td>781-258-1002</td>
<td><a href="mailto:Stacie@stebbinsduffy.com">Stacie@stebbinsduffy.com</a></td>
</tr>
<tr>
<td>Bryan Hermanny</td>
<td>BR+A</td>
<td>617-925-8295</td>
<td><a href="mailto:bhm@brplusa.com">bhm@brplusa.com</a></td>
</tr>
</tbody>
</table>

### COMMITTEES

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Stacie@stebbinsduffy.com

Siobhan Carr, Andelman and Lelek  
781-769-8773  
siobhan@andelmanlelek.com
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An EarthWise Systems savings as compared to conventional systems¹

¹EarthWise Systems - Waterside: 12°F AT across evaporator, 15°F AT across condenser, high-efficiency chiller. Airside: 40°F design supply-air temperature, 70°F zone cooling setpoint (due to lower indoor RH driven by lower supply air-temperatures, per ASHRAE Cold Air System Design Guide defining indoor comfort). Supply-air-temperature reset (from 42°F up to 60°F) at mild outdoor conditions, comparative reheat economizer, parallel fan-powered VAV terminals, optimized supply duct static pressure control (fan pressure optimization).

Conventional Systems - Waterside: 10°F AT across evaporator, 10°F AT across condenser, minimum 90.1 chiller efficiency. Airside: 55°F design supply-air temperature, 75°F zone cooling setpoint, fixed dry-bulb economizer, VAV with reheat terminals, fixed supply duct static pressure control.
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Name: ________________________________________________________
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Address: ___________________________________________________________________________________________
TEL: ____________________________________________________________________________

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| CORPORATE | $250.00 | $500.00 | $1,000.00 | $2,000.00 | Other: __________ |

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