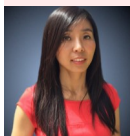


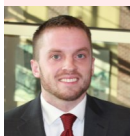
2015-2016 Officers



Stacie Suh
President



William Tang
President-Elect



Mike Gilroy
Vice President



Dan Carington
Secretary



Bill Garvey
Treasurer

May Meeting

Tuesday, May 17, 2016

Installation of Officers

Chapter Appreciation Night

Refer to [Page 10](#) for more information

Chairperson:

William Tang
wkt@brplusa.com

Where:

Umbria Prime
295 Franklin St.
Boston, MA 02110

Time:

5:30 to 9:00 pm

Cost:

ASHRAE Boston Members: \$50
Non -Members / Walk-Ins: \$60

Parking:

Parking is available in the garage at Post Office Square for \$9

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Special thanks to our Sponsors:

Platinum:

SMACNA Boston, Inc.

Gold:

RDK Engineers
J.S Flemings Associates

Silver:

- Daikin
- Filter Sales & Service, Inc.
- RG Vanderweil Engineers
- RST Thermal
- R. T. Forbes Company
- Stebbins-Duffy, Inc.
- Victaulic
- Equipment Direct Sales, Inc.

If you have any questions, you may contact William Tang at wkt@brplusa.com.
Thank You

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the Chapter.





PRESIDENT'S MESSAGE

By: Stacie Suh

ASHRAE Boston Chapter had The New Product & Energy Show 2016 at Lantana's in Randolph. We were very pleased to let you know that the show was a success. The show was sold out with joint ventures with local I2SL and AEE societies. I would like to thank all presenters at the show. We had total of eight (8) seminars that ran during the show and we had many members who attended seminars to receive 1 to 6 PDHs. We look forward to the 2018 product show and thank you all for supporting our chapter. We had great feedback from attendees, members and vendors who attended the show. Thank you so much to all companies who have supported our chapter to make this show a great success. I would like to thank Jeff Schultz, Product Show Chair, for his leadership and dedication in working with all parties to make sure that the show ran smoothly. He was instrumental in many aspects to make this event a success. On top of the successful event, the outdoor displays during the show helped us raise money for research promotion. Thank you to all volunteers (Eric Edman, Steve Bosland, Jeff Schultz, Mark Leonard, Kevin Doty, Massasoit students) who have worked very hard behind the scenes prior to and at the show to make this show possible. Thumbs up!

ASHRAE Boston chapter had a social gathering at Night Shift Brewing in Everett MA on April 28th. It was a great networking event for all members. It began with a networking hour where food and flights of beers were provided. Next, the attendees had a chance to be on a brewing tour of their new facility hosted by a comical Night Shift employee. We had great YEA attendance and it was great to meet and greet new and old members. It was an enjoyable event that we would like to make a tradition for our chapter. Give us feedback on other ideas where we can host our social night out.

We need your support to get feedback with regards to meetings and events throughout the year. Mike Gilroy, CTTC chair sends out a survey via Survey Monkey to all attendees right after the meeting. **We appreciate your feedback!** Any questions, please contact Mike Gilroy at Mgilroy@brplusa.com

Next month's meeting will be at Halifax Country Club on June 6, 2016. Please contact Bill Garvey for more information. Please

join us and enjoy the day out on the course. We look forward to seeing you all there. I encourage all members to bring along non-members to this event. We need your support to keep the Boston Chapter growing and to share the good news with our local community.

ASHRAE Boston chapter has made corporate sponsorship opportunities available. Please contact Will Tang at wtang@brplusa.com for more information. We look forward to your sponsorship, which will support the Boston chapter greatly. A huge "Thank you" goes out to SMACNA, Daikin, RDK Engineers, RenewAire, RG Vanderweil, Stebbins Duffy, Filter Sales & Service, Inc, R.T. Forbes Company, J.S. Fleming Associates and Victaulic who are already part of the sponsorship program and supporting the Boston Chapter.

ASHRAE Boston Chapter will be hosting our Golf outing in June 2016. Please refer to the newsletter for more information.

Please check our new website for product guide 2016. <http://www.ashraeboston.org/productguide> Yuka Narisako, our product guide chair, has worked throughout the year to make this product guide available for you.

I look forward to meeting all of you throughout the year. I would love to hear from you with any thoughts you might have concerning the ASHRAE Boston Chapter. You can email me at stacie@stebbinsduffy.com

We are continuously updating our website. Please check out www.ashraeboston.org for more information.

Thank you



Stacie Suh

ASHRAE Chapter President



EDITOR'S NOTE

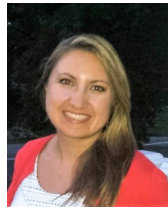
By: Deanna Adkison

Materials for the June newsletter are due by **May 27, 2016.**

Please submit employment/want ads in .pdf, .doc or .jpg format. A company logo may also be included. Feel free to send any ideas you would like to share or include in next month's issue.

For additional information, refer to our website at www.ashraeboston.org.

For more information, please e-mail northeastaire@gmail.com



April Meeting Recap

By: Deanna Adkison

May 2016

Although there was no main meeting in April, the Boston ASHRAE chapter had plenty of events going on. The New Product & Energy Show 2016 was hosted at Lantana's in Randolph. The show was sold out and there were a total of eight (8) seminars for members to attend and earn PDH credits. Thank you to all exhibitors, presenters and attendees!



The next event was held for the 2015-2016 sponsors at Post 390 so that the ASHRAE Boston chapter could show their appreciation and recognize all of the sponsors who have supported the chapter this past year. Thank you again to SMACNA, Daikin, RDK Engineers, RenewAire, RG Vanderweil, Stebbins Duffy, Filter Sales & Service, Inc, R.T.Forbes Company, J.S. Fleming Associates and Victaulic.



To wrap up the month, a social gathering was held at Night Shift Brewing which included networking, food, flights, and a tour of the brewing facility.

We hope to see everyone at this month's Installation of Officer's event and next month at the Golf outing.





NorthEastAire

ASHRAE BOSTON CHAPTER 2016-2017 BALLOT

May 2016

Officers — 2016-2017

X in box or
write in below

President

William Tang _____ ☐

Write In _____

President-Elect

Mike Gilroy _____ ☐

Write in _____

Vice President

Dan Carrington _____ ☐

Write in _____

Secretary

Mike Leonard _____ ☐

Write in _____

Treasurer — 2016-2018

Deanna Adkison _____ ☐

Write in _____

Board of Governors — 2016-2019

Darcy Carbone _____ ☐

Steve Tafone _____ ☐

Christine Reinders-Caron _____ ☐

Stacie Suh _____ ☐

Write in _____

Please submit your vote for chapter officers and BOGs online at <https://www.surveymonkey.com/r/ASHRAEBoston20162017>

You may also print and mail a hard copy of the ballot to:

Deanna Adkison
197 E. Lothrop St.
Beverly, MA 01915

Thank you for your continued support!

COME JOIN THE ASHRAE BOSTON CHAPTER FOR OUR 51ST ANNUAL GOLF OUTING

WHEN: MONDAY JUNE 6, 2016

We are appealing to your continued generosity for monetary contributions for the purpose of purchasing gifts to be awarded as golf and door prizes. In order to give the Prize Committee ample time to purchase these gifts, we would appreciate receiving your donations by May 27, 2016.



Very truly yours,
ASHRAE Golf Outing Committee
Bill Garvey, Chairman

A donation of fifty dollars would be most welcome and more would be greatly appreciated! All donations will be publicly acknowledged by being published in the NorthEastAire bulletin.

We also welcome Hole Sponsorship. If you are interested in participating, please return the completed form (found in the following newsletter pages) with your contribution.



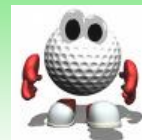
ASHRAE Golf Outing Committee

c/o Bill Garvey

66 Morton St

Hanson, MA 02341

Email: wgarv@aol.com



BOSTON CHAPTER GOLF OUTING

Date: MONDAY, June 6, 2016

Place: COUNTRY CLUB OF HALIFAX, Halifax, Massachusetts

Who: ASHRAE members and guests, by reservation only. Tickets will be sold on a first-come, first-serve basis, and all reservations **MUST BE MADE BY MAY 27, 2016.**

Cost: \$150.00—NO TICKET SALES AT THE DOOR
This includes greens fees, electric carts, cheese table for cocktail hour, and five course dinner. Prizes for everyone plus golf prizes.

Halifax Tee Time: We will have a shot gun start. Two foursomes (total of 8) will drive their carts out to their pre-assigned tee (on Par 3 tees, only one foursome will tee off). Eighteen foursomes will tee off at the same time, 1:00 PM sharp. It is important that you be there ahead of time. **The format this year will be Full Scramble.**

We need to know the foursomes as soon as possible and recommend that you call immediately for reservations, even if you do not have all the names of those in your group. Contact Bill Garvey (Cell: 781-910-9576) or Email: wgarv@aol.com.

Dinner Only: A separate meal ticket may be purchased for those who do not play golf. Cost is \$35.00.

Note: All courses require that we follow course rules: Proper dress code—No jeans, tank tops, bathing suits. No metal spikes. You are responsible for the golf carts you drive.

Lunch: Sponsor provided BBQ. ARRIVE EARLY.

Happy Hour: 6:30 PM to 7:00 PM—Dutch treat in Club House.

Dinner: 7:00 PM - Complete roast beef dinner, beverage and dessert.

Player Gifts: Welcome gifts will be given out at check-in time for each foursome, and we want everyone to have a good time! Please support our need for donations.

Make checks payable to ASHRAE Boston Chapter

Mail to: ASHRAE Golf Outing
C/o Bill Garvey
66 Morton St
Hanson, MA 02341

Enclosed is check for \$_____ for _____ Golf Outing, reservations, including dinner @ \$150.00 each.

_____ Dinner only reservations @ \$35.00 each

Name: _____ Address: _____

Phone: _____ Fax: _____ E-Mail: _____

HOLE SPONSORSHIPS

(\$200 EACH)

HOLE SPONSORSHIPS WIL INCLUDE A SIGN ON A HOLE

CONTEST HOLES:

(\$500 EACH)

CONTEST HOLE SPONSORSHIPS:

1. LONGEST DRIVE

HOLE SPONSORSHIP _____

CONTEST HOLE SPONSORSHIP _____

INDIVIDUAL SPONSORSHIP _____

MAKE CHECKS PAYABLE TO A.S.H.R.A.E. BOSTON CHAPTER

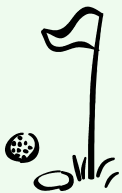
Mail to: ASHARE Golf Outing
C/o Bill Garvey
66 Morton St.
Hanson, MA 02341

NAME: _____

ADDRESS: _____

PHONE: _____

E-MAIL: _____



**SMACNA BOSTON
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and celebrates the
achievements of
ASHRAE!**



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Braintree, MA 02184

www.smacnaboston.org



ASHRAE Government Affairs Update, 4/15/2016

As of July 1 2015 GGAC changed from Grassroots Government Activities Committee to Grassroots Government Advocacy Committee.

Federal Activities

USGBC Makes LEED 2009 More Stringent

The U.S. Green Building Council (USGBC) recently approved an increase in the minimum energy performance thresholds for LEED 2009 projects. As of this month, all new projects registering for LEED 2009 must now earn a minimum of four points in the Energy Performance credits. The referenced energy standard and modeling requirements in LEED 2009 will not change. Buildings falling under the proposed change can use the same methodologies and referenced standards, but will need to earn additional points to achieve certification. The change applies to LEED 2009 projects registering until Oct. 31, which is the last day to register a project under LEED 2009.

House Veterans' Affairs Subcommittee Considers Bipartisan G.I. Bill STEM Extension Act

This week the US House Veterans' Affairs Subcommittee on Economic Development considered H.R.748 – the G.I. Bill STEM Extension Act, a bipartisan bill that ASHRAE supports and which would give students who use the Post-9/11 G.I. Bill the opportunity to apply for an extra nine months of benefits if they pursue a degree in the science, technology, engineering, or mathematics (STEM) fields.

“There is a strong demand for engineers – particularly in the heating, ventilating, air conditioning, and refrigeration (HVACR) industry”, said ASHRAE President David Underwood in a letter to the Subcommittee. “The G.I. Bill STEM Extension Act (H.R.748) responds to the needs of student veterans by providing extra time to these men and women who have given so much to their country, while helping to meet critical workforce needs”, continued President Underwood.

GGAC Regional and Chapter Activities

Last Winter Warmest for Contiguous U.S.

December 2015 through February 2016 was the warmest winter on record for the "Lower 48" U.S.

states, according to the National Oceanic and Atmospheric Administration (NOAA). NOAA found that the average temperature for the contiguous U.S. states was 4.6°F (2.6°C) warmer than the 20th-century average. All of the states in New England experienced record warm temperatures. Also, most of Northeast, Midwest, West, Southeast and the Great Plains recorded above-average temperatures.

U.S. Army, Private Company Team on Refrigeration, Energy Recovery System

NATICK, Mass.—The U.S. Army Natick Soldier Systems Center (NSSC) has awarded S-RAM Dynamics a \$1 million contract to build and test a mobile refrigeration system demonstration prototype using the new S-RAM energy recovery compressor that uses carbon dioxide as a refrigerant. The CO₂ refrigeration system is expected to reduce energy consumption of the Army's mobile refrigeration assets by more than 50%. The energy recovery compressor integrates an axial piston compressor with an opposed axial piston expander to recapture normally lost energy and boost system performance. The system will be installed on the Army's new Multi-Temperature Refrigerated Container System (MTRCS), a mobile, multi-temperature refrigeration system that will provide the capability for transportation and storage of frozen, chilled, or semi-perishable ration components simultaneously on a single platform. It also will be used as an external heat recovery engine to generate power as well as an axial internal combustion engine for unmanned systems, such as drones.

Your Boston GGAC committee welcomes your articles and event suggestions!

Please contact Christine Reinders, Stacie Suh or Steve Rosen.

stacie@stebbinsduffy.com

creinders@CANNONDESIGN.COM

srosen@RDKEngineers.com

Installation of Officers for 2016-2017

Umbria Prime

295 Franklin St.
Boston, MA 02110

Tuesday, May 17th 2016

5:30 to 9:00 pm

Please come and celebrate another successful year with the Boston ASHRAE Chapter!

This event is to show our appreciation and support for all who've served our Boston chapter during the 2015-2016 fiscal year. We will also be inducting the new officers for the 2016-2017 fiscal year.

Passed hors d'oeuvres will be available.

All members are welcome and please bring non-members as well to show them what ASHRAE Boston is all about!

Cost to attend:

Members: \$50

Non-members: \$60

Parking is available in the Garage at Post Office Square for \$9





RESEARCH PROMOTION

By: Dan Diorio

**Current total \$18,719
of \$21,800 goal!**

Thanks to the most recent contributors and to the super turnout at the New Product & Energy Show, we are starting to approach our goal of \$21,800. Just a few more thousand to go! Now starts the real push as we finish up the campaign in May and June.

As I've mentioned before, if you're interested in making a contribution toward ASHRAE Research but want to know more about where your money will go, I encourage you to spend some time on the RP website at www.ashrae.org/research. You will find extensive information regarding the Research program including all of the ways that the contributions are used.

Of perhaps even more interest, on the website are specific details about the ongoing research projects. There are instructions for submitting a potential projects, project results, and lists of projects ready to go to bid for research.

Donations to ASHRAE RP can be made in several ways. You can donate online at ashraeboston.org or ashrae.org/contribute. Your company can become a Corporate Sponsor - where a portion of your sponsorship goes toward Research. You can also donate by mailing a check directly to me at:

Dan Diorio
Boston College – St. Clements Hall
140 Commonwealth Ave
Chestnut Hill, MA 02467

Feel free to contact me with any questions about ASHRAE Research, my fundraising campaign, or donations in general at dan.diorio@bc.edu.

Presidential Award of Excellence

Boston Chapter - 2015-2016

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Organization Points	Chapter Technology Transfer Points	Grassroots Government Affairs Points	Chapter PAOE Point Totals
1040	635	1020	630	100	865	950	75	4275

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 1000.

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 June Newsletter: May 27, 2016

Any questions, please contact Deanna Adkison, Newsletter Editor at 617-535-8236 or northeastaire@gmail.com



RDK ENGINEERS

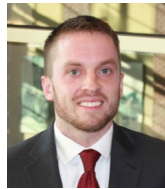
Proud to be a sponsor for the
ASHRAE Boston Chapter



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Proposed ASHRAE Energy Simulation Standard Open For Public Review

A draft standard that describes a methodology to apply building energy modeling to the design process is open for industry input.

ASHRAE Standard 209P, Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings, defines minimum requirements for providing energy design assistance using building energy simulation and analysis.

The proposed standard is open for public comment until May 9, 2016. To comment or learn more, visit www.ashrae.org/publicreviews.

“ASHRAE recognizes that building energy simulation is most useful when it can inform the design process to reduce energy use,” Jason Glazer, chair of the Standard 209P committee, said. “The standard was created to advance the use of timely building energy modeling to quantify how design decisions can affect building energy use when those design decisions are being made.”

While earlier draft versions of the proposed standard incorporated energy modeling into the typical design process divisions of schematic design, design development, etc., the committee realized that many tasks, data and goals of each modeling effort, or cycle, were similar enough to create a “generic modeling cycle.” The draft standard was rewritten to incorporate a generic modeling cycle that is augmented with additional directions to create several specific modeling cycles that are incorporated into the typical design process.

Standard 209P defines seven design phase modeling cycles with specific modeling goals that are defined and coordinated with the typical design process, and three modeling cycles are

defined that apply during construction and operation of the buildings. Each modeling cycle is an extension of a general modeling cycle that can be applied any time during the design process that energy modeling is needed to inform design decisions. In addition, a post-occupancy comparison is included to help owners and modelers understand how modeled results compare actual energy performance and inform assumptions in future modeling projects.

“The minimum requirements of the standard can be met by utilizing building energy modeling to evaluate load reduction measures early in the design process, as well as one additional design phase modeling cycle,” Glazer said. “Other modeling cycles are included for organizations that wish to adopt more robust energy modeling requirements.”

While the standard can be applied with any design process, it is anticipated to be most effective when included in an integrative design process. It is expected the 209P will be adopted by organizations that certify high performance buildings as well as utilities and agencies that provide incentives for low energy buildings, and used by building owners and architects seeking a uniform way to specify a scope of work for building energy modeling.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 55,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. More information can be found at www.ashrae.org/news.



STUDENT ACTIVITIES

By: Dan Diorio

The typical monthly meetings are over but students are more than welcome to attend the season-ending Installation of New Officers in May. It's a great chance to meet more of the people that work behind the scenes of the Boston Chapter. We encourage young engineers to get involved with the local ASHRAE Chapter early, so this is something to start thinking about as you approach college graduation.

Big thanks go out to John Fitzgerald, student chapter advisor at Massasoit Community College. John brought 12 students and a professor to Boston College on March 29th to tour the new 490-bed residence hall at Boston College. The tour took us through all of the main mechanical areas as well as some of the more prominent spaces in the building. Ed Stokes and Glenn Hand of Boston College led the tour – their time spent was greatly appreciated.

John Fitzgerald came through again at the New Product & Energy Show on April 12th. He brought another group of students to help out at the show. They also set up a table and were nice enough to hand out shirts and sweatshirts with their Student Chapter logo on them. Thanks again to the Massasoit Community College for their stand-out participation throughout the year.

Please contact me at any time via email at dan.diorio@bc.edu if you have any suggestions for the Student Activities Committee. I will be stepping down as the committee chair at the end of this year but will continue to be involved as this is something that I really enjoy being a part of.

ASHRAE BOSTON UPCOMING EVENTS

Visit www.ashraeboston.org/upcoming-events/announcements.html for more information.

May Installation of Officers

When: May 17, 2016

Where: Umbria Prime

June Golf Outing

When: June 6, 2016

Where: Halifax Country Club

BOSTON AREA UPCOMING EVENTS

AFE Boston Chapter 33

www.afechapter33.org

IFMA Boston Chapter

www.ifmaboston.org

BOMA Boston Chapter

<http://www.gbreb.com/boma/>

Sustainable Performance Institute

<http://www.sustainable-performance.org/>

AFE Chapter 74-Worcester Area-Central MA

<http://chapters.afe.org/chaptersnew/index.cfm?chapterIndex=2>

USGBC Massachusetts Chapter

www.usgbcma.org

AEE New England Chapter

www.aeenewengland.org/

IBPSA Boston Chapter

<http://ibpsa-boston.com/>



HISTORICAL NEWS

By: Eric Edman



The topic of this month is one of our oldest continuous events; The Product Show. For those of you who may not know, our bi annual product show is the envy of many other chapters- in both Region 1, and elsewhere. It is one of the most successful events at pulling together a very diverse group of members to review and discuss some of the new products and ideas coming to market. It is always a learning opportunity for young and old alike.

The "show" goes back to 1984, and was organized by two past presidents and another very determined individual.

Gene Bard, Allan Ames, and Gene Simmons (as well as many others) organized the very first Product Show which was held in April of 1984. This was a special event for me, as well as Boston ASHRAE. At this first show, there was a call for volunteers. I served as one of the student helpers to unload products and set up the show. It was an incredible event then- and is still, to this day, one of the biggest events in our HVAC community. 17 Shows later, I have attended each, and seen this show grow to become a SELL OUT event!

All of you deserve a big thank you for supporting our incredible chapter. The historical committee would like to archive any memorabilia you may have from past product shows. You can call, fax, email or text us to make a pick up at your convenience. We welcome anything and everything, big or small.

Thanks again, and we look forward to seeing many of you at the June golf outing.

Once again, it was great to see so many members at our bi-annual product show. Most of you were able to see your historian in action as a forklift operator and parking attendant.

All our best

The historical committee.



Webmaster's Notes

By: Steve Rosen

Your Boston Chapter Webmaster welcomes your suggestions as we begin interacting with the NEW ASHRAE Boston homepage!

- The Boston Chapter thanks Kevin Doty for diligently working with Wild Apricot to establish our NEW website!
- Check out our New Roster - under "About Us" - it is called "Member Directory" and can be accessed by logging into the website. Search for people and their contact information.



MEMBERSHIP PROMOTION

By: Dan Carington

May 2016

We are winding down the 2015-2016 ASHRAE year. Please check your membership status and try to renew before the June 30th deadline. You may be eligible to advance from Associate to full member. This isn't an automated process. To see if you are eligible check www.ashrae.org. Refer to the Membership page under frequently asked questions. To advance from Associate to Member, you must update your ASHRAE bio online and notify membership@ashrae.org that you have an updated bio and wish to be considered for grade advancement.

Steps for updating your biography:

1. Log into <http://www.ashrae.org>.
2. Select "My Account"
3. Under "Biographical Info" you can edit your Employment Info by clicking the "EDIT" icon
4. Under the "Education" section click on the "EDIT" icon and update all of your educational history, please note there are other relevant professional licenses and work history you can update in this area on the webpage.
5. Confirm that your contact information is current by clicking on the "Contact Information" icon right next to the "Biographical Information" icon.

Why should every members advance their ASHRAE Membership Grade? Well, here are a few reasons to Advance ASHRAE Membership:

- Chapter recognition through newsletter
- Chapter recognition at meeting
- To be able to serve on a technical committee
- To be able to serve in a regional role
- To be able to serve in a chapter officer role
- To qualify for ASHRAE Fellow and other Society awards
- You can add "Member ASHRAE" to your email tag
- Prestige
- Society recognition in the Insights

I would like to welcome our latest new members since the last newsletter went out in April:

Mr Joe Lillis	Mr Matthew Thomas Hayes	Mr Shawn Driscoll
Mr Eric Joseph Anderson	Mr Todd A Herman	Ms Enn G Sohosahn
Mr Keddy Dwight Emmanuel	Mr Christopher Ryan Mackay	
Mr Nicholas H Hill	Ms Meghan Fitzgerald	

I wanted to take a moment to welcome you to the ASHRAE Boston Chapter! It is a pleasure to have you on board and I hope to get the opportunity to meet you at one of our upcoming events, since March was the last of our main meetings until our 2016-2017 season. Hopefully, I will see you at the installation of Officers event this month or during our annual June golf outing.

Let's help our chapter to shine; review your status and upgrade. If you have any questions or comments, please feel free to contact me at dpc@brplusa.com.



We hope everyone had a great time at our second annual Cornhole this month. We had a great turnout and are looking forward to next year.



Our last event of this year will be our technical tour of the Northeastern Interdisciplinary Science & Engineering building on Thursday May 19th at 5:30 pm. “The 220,000-square-foot research and educational space is part of Northeastern’s ongoing effort to expand its capacity to engage in path-breaking research across disciplines. Scheduled to open in 2016, it will include wet and dry lab facilities, educational laboratories, classroom space, and offices for faculty and graduate students. The six-story, LEED-certified facility will feature cutting-edge scientific equipment and lab space, both of which will be shared by researchers from Northeastern’s College of Science, Bouvé College of Health Sciences, College of Engineering, and College of Computer and Information Science.” You can read more about the building on the college’s website <http://www.northeastern.edu/isec/>.

There are several HVAC design essentials courses being held in May around the world. You can learn more about the course and scholarship opportunities on the ASHRAE website <https://www.ashrae.org/membership--conferences/yea-scholarship-for-hvac-design-essentials-workshop>

I’ve enjoyed being YEA chair for the 2015-2016 year. I hope to see some of you also at the YEA hospitality suite in St. Louis at the ASHRAE summer meeting on Sunday June 26th at the Marriott Grand.

Thank you!

Christine





Join ISA Boston at the National Technical Systems Open House

Join ISA Boston on their Facilities Tour and Open House at NTS- Boxborough! We invite you to network and dine with us in one of the nation's premier, State-of-the-Art Engineering-Testing Facility. Come explore NTS's two new buildings and experience for yourself where NTS supports commercial, defense, and telecommunications programs for ground, aircraft, shipboard, and submarine applications. The evening will also include a Corporate Overview Presentation given by Regional Sales Director for Cambridge, MA area, Dan McGinnis, as well as a Q&A session with Jeff Viel, NTS's VP of EMC.

This is sure to be an exciting event and we hope to see you there!

U.S. Citizens and Green Card Holders are welcome for this open house. Due to ITAR/Confidentiality considerations, foreign nationals will not be permitted. *(Please make sure you bring a valid Driver's License)*

Please direct any questions or comments about the event to: isabostonboard@googlegroups.com

Event Schedule:

6:00- 6:30 - Check in and light dinner/ beverages are served

6:30- 7:30 - Brief introductory overview of NTS – Dan McGinnis

7:30 - 8:30 - Building 1 and new Fire Chamber Tour – Jeff Henn / Building 2 & 3 EMI – Jeff Viel

8:30- 9:00 - Q & A Building 3 Conference Room

[Register Now](#)

Where?

National Technical Systems (NTS)
1146 Massachusetts Ave
Boxborough, MA 01719

When?

Tuesday, May 17th, 2016 from 6:00
PM to 9:00 PM

How Much?

\$20 for General Admission
\$15 for ISA Members
\$5 for Students



ASHRAE and IBPSA-USA SimBuild 2016: Building Performance Modeling Conference Spotlights Practical Application

ATLANTA – ASHRAE has announced a preliminary technical program for the ASHRAE and IBPSA-USA SimBuild 2016: Building Performance Modeling Conference.

The conference takes place Aug. 10-12 in Salt Lake City, Utah. For complete information, visit www.ashrae.org/simbuild2016.

The conference focuses on practical applications with an emphasis on simulation techniques and design. Presentations are given on topics such as, Simulation-Based Metrics in Well and LEED Rating Systems, which discusses building-performance standards intended to affect 90 percent of new construction projects in the United States. Rethinking Climate and Weather Data for Building Simulation examines a new system for climatic data representation in buildings. How to Include the Impact of Thermostat into Building Load Calculation is a presentation that explores a process that includes the impacts of thermostat, including the set point and location of the thermostat on building loads.

Case studies and demonstrations are also scheduled that address standards and code compliance. Topics such as Closing the Simulation Gap Between Zero Energy Buildings and Code Compliance and a session that covers ASHRAE Standard 205P, *Standard Formats for Equipment Data Exchange*, are included in the conference program. Keynote speakers will also be added to the program, as well as conference papers. There are 79 papers currently under review.

“This conference offers highly valuable information for industry practitioners to advance the quality and technical rigor in energy modeling,” Krishnan Gowri, vice chair of the conference steering committee, said. “Attendees will gain knowledge of new modeling tools and techniques from leading industry experts for high performance and net zero building design.”

There are 16 presentation sessions scheduled. One session, Simulation Techniques II, supports the theme of the conference with presentations such as Residential Design Decisions: A Case Study Using PPD/Pmv Modelling to Drive Architectural and HVAC Choices for Enabling Thermal Comfort in a Cold Climate Home. Also, application of ANSI/ASHRAE Standard 55, *Thermal Environmental Conditions for Human Occupancy*, will be demonstrated for design practitioners who may be unfamiliar with it.

An overview of the ASHRAE Standard 209P is also scheduled. ASHRAE Standard 209P, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings*, defines minimum requirements for providing energy design assistance using building energy simulation and analysis. The proposed standard is open for public comment until May 9, 2016. To

comment or learn more, visit www.ashrae.org/publicreviews.

Other sessions that highlight codes and standards include Calibration, IEQ and Ventilation Modeling.

Also announced is the 2016 ASHRAE LowDown Showdown. Participants will model a net zero or below building. The baseline building for the challenge is a 50,000 square foot, three story outpatient health care facility. Nine teams and over 70 participants will create their model using the following tools:

- Autodesk
- Carrier HAP
- CYPE
- DesignBuilder
- EnergyPlus
- eQuest
- IES
- Sefaira
- TRACE

The teams, which will present their results during the conference, will be evaluated on energy, teamwork, creativity, workflow and practicality.

To participate on a team as a “fan” or for more information on the LowDown Showdown, visit www.ashrae.org/simbuild2016#lowdown.

The conference will cover two-and-a-half days and will be preceded by two days of training seminars and short courses. To register for the conference, visit www.ashrae.org/simbuild2016.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 55,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. More information can be found at www.ashrae.org/news.

IBPSA-USA is the United States regional affiliate of the [International Building Performance Simulation Association \(IBPSA\)](http://www.ibpsa.org). The mission of IBPSA-USA is to advance and promote the science of building simulation in order to improve the design, construction, operation and maintenance of new and existing buildings in the United States.

ASHRAE Learning Institute 2016 Spring Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Price: **\$284** (\$219 ASHRAE Member); Two-part courses: **\$484** (\$359 ASHRAE Member)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, March 28, 2016 – 1:00 pm to 4:00 pm EDT

Commissioning Process & Standard 202

Wed, March 30, 2016 – 1:00 pm to 4:00 pm, EDT

IT Equipment Design Evolution & Data Center Operation Optimization

Wed, April 6, 2016 – 1:00 pm to 4:00 pm, EDT

Complying with Standard 90.1-2013: HVAC/Mechanical

Wed, April 13, 2016 – 1:00 pm to 4:00 pm, EDT

Laboratory Design: The Basics and Beyond

Mon, April 18, 2016 – 1:00 pm to 4:00 pm, EDT

Standard 188-2015 – Successfully Managing the Risk of Legionellosis

Mon, April 25, 2016 – 1:00 pm to 4:00 pm, EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, April 27, 2016 – 1:00 pm to 4:00 pm, EDT

Fundamental Requirements of Standard 62.1-2013

Mon, May 2, 2016 – 1:00 pm to 4:00 pm, EDT

Variable Refrigerant Flow System Design & Applications

Mon, May 16, 2016 – 1:00 pm to 4:00 pm, EST

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Part 1: Mon, April 11, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, April 20, 2016 – 1:00 pm to 4:00 pm, EDT

Operations & Maintenance of High-Performance Buildings

Part 1: Tue, May 17, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, May 18, 2016 – 1:00 pm to 4:00 pm, EDT

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Cleveland • Halifax • Hong Kong • Kuala Lumpur

Miami • Minneapolis • San Francisco • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.

2015-2016 Meeting Schedule

Date	Main Meeting/	Speaker	PDH	Meeting Manager	Location/
September	TD Garden Dehumidification System Tour	Chris Trent- Siemens Pat McDonald- Eversource Andrew or Jason- DNC David Trumble – Cannon Design Enis Pacavar – Sylvania Lighting		Mark Leonard MCL@BRPLUSA.COM	TD Garden Boston, MA
Wednesday September 9, 2015					
October	Towards ZEB (Zero energy buildings) in Europe and Application of Radiant Heating and Cooling Systems	Per Heiselberg Bjarne W. Olesen	1.0	Mark Leonard MCL@BRPLUSA.COM	Metro Meeting Centers, Boston—101 Federal St.
Tuesday October 13, 2015	Tech Session: Passive Cooling with Increased Night Ventilation in Low Energy Buildings	Guilherme Carrilho da Graça , Annamaria Belleri & Per Heiselberg			Membership and Student Promotion Night
November	Net zero commercial buildings – how to design and maintain indoor air quality	Bill Turner HLTURNER Group		Mark Leonard MCL@BRPLUSA.COM	Embassy Suites, Waltham
Tuesday November 10, 2015	Tech Session: Changing Refrigerant	Steve Tafone			Research Promotion & Donor Recognition Night Joint Meeting with IAQA
December	ASHRAE SPC-188 Legionellosis: Risk Management for Building Water Systems	Tom Watson		Mark Leonard MCL@BRPLUSA.COM	Embassy Suites, Waltham
Tuesday December 8, 2015	Tech Session: Remarkable Long Term Performance in an Open Water Cooling System	Ed Block			Joint Meeting with ASPE
January	Electrically Commutated Permanent Magnet Motors (ECPM) Technology	Steve Bistak	1.0	Mark Leonard MCL@BRPLUSA.COM	Embassy Suites, Waltham
Thursday January 14, 2016	Tech Session: Special Gas Venting Systems	Warren E Creamer III (Skip) / Atlantic Air Products	1.0		Past President's & History Night
February	Infrastructure Resiliency Design in Healthcare. Post Superstorm Sandy	Steven Friedman		Mark Leonard MCL@BRPLUSA.COM	Metro Meeting Centers, Boston—101 Federal St.
Tuesday February 9, 2016	Tech Session: Power and Energy Metering	Brad Selmon			Membership Promotion, Research Promotion & YEA Night
March	Case Histories of Both Productive and Problematic Interactions Between Architectural Designs and HVAC	Lew Harriman		Mark Leonard MCL@BRPLUSA.COM	Metro Meeting Centers, Boston—101 Federal St.
Tuesday March 8, 2016	Tech Session: GroundSource Case Study	George HU			Joint Meeting with AEE
April	Product Show	Jeff Schultz		Jeff Schultz Jeffrey.schultz@dpsgroupglobal.com	The Lantana
Tuesday April 12, 2016	Tech Session: TBD	N/A			Student & YEA Night
May	Installation of Officers	William Tang	N/A	Event Committee/WT	Umbria Prime
Tuesday May 17, 2016					Chapter Appreciation Night
June	Golf Outing	William Garvey	N/A	Golf Committee	Halifax Country Club, Halifax, MA
Monday June 6, 2016					

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**Current total \$18,719
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