

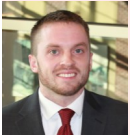
**2015-2016 Officers**



*Stacie Suh*  
President



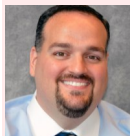
*William Tang*  
President-Elect



*Mike Gilroy*  
Vice President



*Dan Carington*  
Secretary



*Bill Garvey*  
Treasurer



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- R. T. Forbes Company
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**Annual Conference**

**June 25-June 29**  
**St. Louis, Missouri**

[www.ashrae.org/stlouis](http://www.ashrae.org/stlouis)



## PRESIDENT'S MESSAGE

By: Stacie Suh

ASHRAE Boston Chapter had its April social event at Night Shift Brewing in Everett, MA on April 28<sup>th</sup>. We were very pleased to let you know that we had many members attend including YEA members. Feedbacks from members were great and we are looking to making this a Boston chapter tradition. Thank you so much to Mike Gilroy (CTTC chair and VP) who has been instrumental in making this event happen and also Erin Popa for her support during this event.

ASHRAE Boston Chapter had our last BOG meeting for 2015-2016 year at Umbria Prime on May 17<sup>th</sup>. We had a great attendance from our chapter members and were able to go over many important items to get Will Tang ready for his 2016-2017 presidency. The dedication and support from BOG, committee chairs and officers has been tremendous during my year presidency and I can't thank each individual enough for their support.

The Installation of Officers event was held at Umbria Prime right after the BOG meeting. Allan Ames from BR+A installed BOG and officers. Please take a moment to Congratulate BOGs and officers. Will Tang is gearing up fast to prepare a list of great meetings (technical and main) and events for you.

### Board of Governors (2016-2019)

Stacie Suh  
Christine Reinders  
Steve Tafone  
Darcy Carbone

### Officers

Will Tang (President)  
Mike Gilroy (President Elect)  
Dan Carington (Vice President)  
Mark Leonard (Secretary)  
Deanna Adkison (Treasurer)

Before the installation of officers, we recognized each member who has dedicated their time to ASHRAE Boston Chapter. The member of the year award was given to Mark Leonard from BR+A. He has been instrumental throughout the year in making one of our goals come to reality which was to have meetings in Boston. We had three meetings in Boston at 101 Federal St and had great feedback from members. We had a remarkable turnout; it was nice to see so many members who came to this event and made this

event lively. The event was a success and memorable. :) I would like to thank Allan Ames for installing the officers and BOG. Thank you to all members who joined to celebrate this special night with us. Thank you to all officers, BOG and committee chairs for your commitment to Boston chapter.

I would like to take this time to thank Bill Garvey for dedicating his time and his true passion for ASHRAE Boston Chapter. He has been the go to guy for anything you can think of. Words can't describe how much our chapter appreciates his dedication throughout the many years that he has served. We thank you so much for your support.

My year as President is coming to an end on June 30, 2016. I would like to thank all BOG, officers, Committee chairs and volunteers for supporting our chapter and me. Without the support from this group, I would have been lost. Due to their commitment, we have accomplished many goals for our chapter. Here is the list:

- Main meetings in Boston, 101 Federal St
- PDH credits available for main meeting and technical meetings
- Starting Women in ASHRAE committee
- New ASHRAEBoston.org website
- Product guide (PDF version)
- Corporate sponsorship program
- Payment through PayPal via ASHRAEBoston.org website
- Product show 2016 (sold out all booths)
- Golf 2016 (sold out all 4-somes)
- February Social event
- Brewery tour at Nightshift in Everett
- YEA events
  - Technical Tour of Brigham Building for the Future Cogen System
  - Technical Tour – NEU Science & Engineering Building
  - YEA Networking event Downtown Boston
  - Cornhole Tournament at Baseball Tavern
  - Networking at ASHRAE Product

### Show

We need your support to get feedback in regards to meetings and events throughout the year. Mike Gilroy, CTTC chair, sends out surveys via Survey Monkey to all attendees' right after the meeting. **We appreciate your feedback!** Any questions, please contact Mike Gilroy at [Mgilroy@brplusa.com](mailto:Mgilroy@brplusa.com)

I encourage all members to bring along non-members to events. 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 available corporate sponsorship opportunity. Please contact Will Tang at [wtang@brplusa.com](mailto:wtang@brplusa.com) for more information. We look forward to your sponsorship, which will support Boston chapter greatly. A huge "Thank you" goes out to SMACNA, Dai-kin, 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 Boston Chapter.

**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 about the ASHRAE Boston Chapter. You can email me at [stacie@stebbinsduffy.com](mailto:stacie@stebbinsduffy.com)

We continuously are updating our website. Please check out [www.ashraeboston.org](http://www.ashraeboston.org) for more information.

Thank you



Stacie Suh  
ASHRAE Chapter President



## EDITOR'S NOTE

By: Deanna Adkison

Materials for the September newsletter are due by **August 19th, 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](http://www.ashraeboston.org).

For more information, please e-mail [northeastaire@gmail.com](mailto:northeastaire@gmail.com)

## Golf Outing Recap

The annual golf outing was held on Monday, June 6th.

The Chapter would like to thank the following companies for sponsoring the Free Lunch at the outing: APA, Siemens Building Tech, RDK, NE Applied Products and Atlantic Air Products.

The chapter thanks ASHRAE Boston and Mitsubishi for being the group photos sponsor.

All proceeds from the golf outing go toward meeting the Boston Chapters Research Promotion goal. A big thank you to all of the companies and the players who support our chapter through this event. Without their continued support of the Chapter we could not have such a great event every year.

The Chapter would like to recognize the following companies for their support of the ASHRAE Golf Outing and the Research Promotion Raffle:

### Raffle Sponsors

- Buckley Associates—(2) Pavilion Club Red Sox Tickets
- Stebbins Duffy—(4) Red Sox Tickets vs. Yankees tickets
- Bob Persechini—(2) Grandstand Red Sox Tickets
- Trumbull Campbell—Patriots tickets

### Hole Sponsors:

- |                           |                                    |                               |
|---------------------------|------------------------------------|-------------------------------|
| Air Distribution Corp.    | ENE Systems, Inc.                  | Northeast Air Solutions, Inc. |
| APA LLC                   | Frank I. Rounds                    | R.T. Forbes Company           |
| Atlantic Air Products     | HTS Engineering                    | RDK Engineers                 |
| Boston Air Products, LLC  | J.S. Fleming Associates            | RST Thermal                   |
| BR+A Consulting Engineers | Johnson Controls                   | Siemens Industry, Inc.        |
| Buckley Associates        | Kirschner Assoc/Harsco/P-K Boilers | Stebbins-Duffy, Inc.          |
| Carrier Corp.             | Leonhardt Company                  | Trumbull Campbell Associates  |
| COX Engineering Company   | Mitsubishi Electric                | URELL, Inc.                   |
| DAC Sales                 | N.E. Applied Products              | Victaulic                     |



### First Place—63

- B. Wright
- G. Hu
- R. Metcalf
- S. Russel

### Second Place—67

- D. Martin
- M. Coppola
- S. Solomon
- M. O'Brien

### Third Place—68

- J. McCarthy
- B. Davies
- E. Popa
- B. Donovan

### Hole Contest Winners—Sponsored by ASHRAE Boston Chapter

- |                              |                    |        |
|------------------------------|--------------------|--------|
| Closest to the pin Hole #3:  | Craig Horgenrother | 3'-6"  |
| Closest to the pin Hole #16: | Dan Swanson        | 10'-3" |
| Long Drive Women:            | Ellie Mullard      |        |
| Long Drive Men:              | Ryan Donovan       |        |
| Straightest Drive:           | Dan Obrzut         |        |



## Bill Garvey Recognition

*By: William Tang*

On behalf of the Boston Chapter of ASHRAE, I would like to take this opportunity to personally recognize one of the most valuable assets that has been a part of this organization. Bill Garvey will be stepping away from his numerous roles and responsibilities after more than 10 years of service and leadership with the Chapter.



Bill's departure will leave some incredibly large holes to fill. In addition to serving as Boston Chapter President in 2010/11, Bill held each of the officer positions including 8 years as the Chapter Treasurer. He held a seat on the Board of Governors for more than 5 terms and served on countless committees.

In addition to all of that, it was the under-the-radar responsibilities and roles that Bill took on over the years that made him invaluable. Bill was one of two key players in the managing of our bi-annual New Product & Energy Show. This event requires an incredible amount of planning and coordination to make it such a consistent success. Bill also oversaw the annual Boston Chapter Golf Tournament for the past 13 years. He coordinated this event, both financially and logistically almost entirely on his own. The years of smooth-running events at the Embassy Suites can be attributed to Bill as well. He has been the one executing the contract with the hotel, planning the menus, and making sure the meetings' spaces met the needs of the attendees and presenters.

Perhaps one of Bill Garvey's greatest accomplishments would be the Chapter Regional Conference and our chapter's 100<sup>th</sup> Anniversary Gala that were held in Boston in 2012. There were dozens of Boston Chapter members and leaders responsible for the success of this historic event that took years to plan, but, as you might guess, Bill played an important role in the success of the event.

Bill's support of the Boston Chapter will be greatly missed. The current leaders of the Chapter realize that it will take several people to cover the responsibilities that Bill took on.

Please join me in thanking Bill Garvey for his 10+ years of outstanding service to the Boston Chapter.

William Tang  
Boston Chapter President



## STUDENT ACTIVITIES

By: *Dan Diorio*

**T**hank you once again for another successful year for the Student Activities Committee. I am grateful for the outstanding participation from the student members and faculty advisors.

But more importantly, I want to thank everyone for all of the support and involvement during my years as Student Activities Committee Chair. I will be stepping down after six exciting and rewarding years in this position. It was truly enjoyable getting to meet all of the students and advisors at meetings and at student events.

Yuka Narisako will be taking over this summer as the committee chair. She is extremely enthusiastic about the new position and I have no doubt that she is the perfect fit. I will continue to keep my eye on Student Activities and help Yuka with her transition.

I will be passing along the contact information to Yuka, but if you'd like to check in with her on your own, feel free to email her at [ynarisako@brplusa.com](mailto:ynarisako@brplusa.com).

In the meantime, if you have any last questions or comments for me, I can always be reached at [dan.diorio@bc.edu](mailto:dan.diorio@bc.edu). Thank you one last time for all of the participation. Enjoy your summer!

### 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
1107	1135	1020	1190	100	1275	1725	675	7120

### 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](http://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 September Newsletter:** August 19, 2016

Any questions, please contact Deanna Adkison, Newsletter Editor at 617-535-8236 or [northeastaire@gmail.com](mailto:northeastaire@gmail.com)



## MEMBERSHIP PROMOTION

*By: Dan Carington*

**I**t has been an honor serving as your Membership Promotion Chair this past 2015-2016 year. I look forward to being involved as your Vice President as well as your Chapter Technology Transfer Committee (CTTC) Chair in 2016-2017. Please check your membership status and see if payment is due, try to renew your membership before the June 30<sup>th</sup> chapter year. You may be eligible also to advance from Associate member to full Member. This is not an automated process. To see if you are eligible, check [www.ashrae.org](http://www.ashrae.org) on 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](mailto:membership@ashrae.org) that you have an updated bio and wish to be considered for grade advancement. In addition, if you have not paid your membership dues for this chapter year 2015-2016 I would request you consider renewing your membership before Thursday, June 30<sup>th</sup> for two reasons:

We currently have members that are 6 and 5 months into their grace period and after the June 30<sup>th</sup>, for the 6 month members, they will be canceled from the Society members list. If they wish to continue being a member, they will have to renew as new member and will lose all the years they have accumulated thru their year(s) with ASHRAE.

We are trying to minimize the number of outstanding memberships as of June 30<sup>th</sup> in order to obtain PAOE (Presidents Award of Excellence) points for our Chapter. Please help us continue the tradition of being the #1 Chapter in our Region for Membership Promotion in points!

I would like to welcome our latest new members since the last newsletter went out in May 2016:

Erin G Sottosanti	Steve M Smith	Mark Schow	Christopher C Robinson
Sean Martin	Maxine Z Fereshetian	Chris Lewis	Jason Stack

Kevin Minister

Congratulations on your interest in joining ASHRAE. You are about to embark on a fantastic journey that will expand your horizon beyond your daily task behind your desk at work.

The Boston Chapter of ASHRAE invites you to join other like-minded engineers, manufacturer's representatives, building operators, contractors, consultants, sales and industry professionals. Your participation in the chapter activities will be beneficial to you in so many ways. Chapter membership will offer you the opportunity to interact with many of your peers, expand your knowledge and work together with us in the collective advancement of our HVAC&R industry. I hope that our other officers and I will see you at our meetings in the 2016-2017 fiscal year. Again, welcome to the ASHRAE Boston Chapter!

Thank you for your continued support and I look forward to an amazing 2016-2017 fiscal year. If you have any questions or comments, please feel free to contact me at [dpc@brplusa.com](mailto:dpc@brplusa.com).



## 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.



**Region I Dinner - 6:00 PM**  
**June 27, 2016 Gio's Ristorante**  
**701 Market Street, St. Louis, MO**



**Menu:**

Soup of the Day or Mixed Green Salad

Choices—Main Course

\*Spaghettini with Meatballs

\*Fettuccine Alfredo with Grilled Chicken

\*Char-Broiled Sicilian Style Grouper with Capers and Herb Butter, Vegetable and  
Potato of the day

\*Chicken Parmesan with Penne Marinara

\*Vegetable Risotto

Coffee, Tea or Soft Drinks

---

**\$30.00 Per Person / Separate Checks / Cash Bar**

**\*Please send RSVP to Steven Sill at [stevesill1966@hotmail.com](mailto:stevesill1966@hotmail.com)\***



## HISTORICAL NEWS

By: Eric Edman



### Outgoing Chapter President's Exit Q and A

The following is an exit interview with outgoing 2015-2016 Chapter President, Stacie Suh. The interview will be stored in the Boston Chapter Historical Archives.

- Q. In your opinion, what were the best things that happened during your year as president?
- A. Being able to host three main meetings in Boston at 101 Federal St. Also being able to lead a wonderful group of volunteers (BOG, Committee Chairs, Officers, Volunteers). Corporate sponsorship(s) was a great thing that happened to our chapter; it supported our chapter in so many ways.
- Q. If you had a chance to have another year as president, what things would you do differently and what might you improve upon?
- A. Being able to spend more time (more outings) with BOG, Committee Chairs and Officers. Being able to visit engineering firms and other firms (Contractors, owners) to promote membership and to have more joint meeting with other societies.
- Q. What words of wisdom might you share with future presidents?
- A. Start early! Line up programs (or at least have an idea) for the whole year as soon as possible. If you can have it ready to review during the planning meeting in June. PAOE points are important your presidency, yes winning the golden Gavel at CRC, therefore constant reminders to committee chairs are going to be key to making sure that you meet and exceed PAOE requirements.
- Q. If you were allowed the freedom to change one thing that was seemingly unchangeable, what would that item be?
- A. Changing some members' minds to see the big picture. You cannot meet expectation of every single member but hopefully you will satisfy a good amount of members.
- Q. How many other chapters did you get to visit during your term as President?
- A. *Two chapters, RI and NH.*
- Q. If you had to look back at your goals for this season, do you think you managed to get all of your items accomplished?
- A. All except for increasing the Boston Chapter membership. There were many members who ended membership with ASHRAE Boston due to moving, change in job etc.
- Q. What one item sticks out in your mind as something you will always remember about your term as Boston Chapter President?
- A. One item that sticks out is our chapter as a whole. We have a great energy as a whole; we have dedicated volunteers BOG, Chairs and officers. It was a pleasure working with each and every member. We have a lot of fun together and truly care about the chapter. Members are full of enthusiasm and full of ideas to move and shake the Boston Chapter to make it the best chapter. :)



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## RESEARCH PROMOTION

By: Dan Diorio

Final shout-out to the Boston Chapter! This is the last chance to contribute toward this year's Research Promotion campaign. Of course you can contribute to ASHRAE anytime, anywhere. We're just inches short of our 2015-2016 fundraising goal with under a month to go. Contributions must be made and accounted-for by June 30 to count toward this year's fundraising.

Thank you again to the most recent contributors. You've helped us get to within a couple of thousand dollars of our goal of \$21,800.

Donations to ASHRAE RP can be made in several ways. You can donate online at [ashraeboston.org](http://ashraeboston.org) or [ashrae.org/contribute](http://ashrae.org/contribute) and this will be the quickest way to get it done in order to meet the deadline. If you're quick and do it TODAY, 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](mailto:dan.diorio@bc.edu).

### ASHRAE BOSTON UPCOMING EVENTS

Visit [www.ashraeboston.org/upcoming-events/announcements.html](http://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

#### Women in ASHRAE Social Event

When: TBD  
Where: Downtown Boston, MA

### BOSTON AREA UPCOMING EVENTS

**AFE Boston Chapter 33**  
[www.afechapter33.org](http://www.afechapter33.org)

**IFMA Boston Chapter**  
[www.ifmaboston.org](http://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](http://www.usgbcma.org)

**AEE New England Chapter**  
[www.aeenewengland.org/](http://www.aeenewengland.org/)

**IBPSA Boston Chapter**  
<http://ibpsa-boston.com/>



*ASHRAE Government Affairs Update, 5/27/2016*

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

**Federal Activities**

**Despite New House Action a Comprehensive Energy Law Remains a Distant Possibility this Year**

This week the US House of Representatives approved a bill that sets the stage for the development of comprehensive energy legislation in a conference committee – one of the final steps before a bill is presented to the President for his/her signature or veto. Despite the seeming progress, this action only served to highlight the deep divisions that persist in the House between Republicans and Democrats, as the bill was approved by a v of 241 to 178, with only eight Democrats voting in favor of the measure.

The legislation approved by the House is actually a combination of several bills rolled into one, addressing such areas as forest management, critical minerals, sportsmen protections, and a host of other issues. Also included in the package is H.R.8, which contains harmful building energy codes provisions that ASHRAE continues to strongly oppose in favor of the bipartisan consensus-based language found in the Senate-passed comprehensive energy bill, S.2012.

The big differences between the House and Senate legislation – and the fact that the House bill is largely supported by Republicans while the Senate bill is more truly bipartisan (the Senate bill was approved by a vote of 85 to 12) – mean that compromise will be difficult to come by. Compounding this challenge are a lack of time on the legislative calendar and ill will created from disagreements between Members of Congress on other legislation. While anything is possible and discussions will continue, the resulting outlook of a comprehensive energy bill reaching the

President’s desk this year in a form that he can sign is increasingly unlikely.

**US Rep. Daniel Lipinski (D-IL-3) Submits Statement to the Congressional Record in Support of Building Energy Codes**

In recognition of the importance of building energy codes, US Representative Daniel Lipinski (D-IL-3) – one of the few engineers in Congress – submitted the following statement, which was included in the *Congressional Record*:

“Mr. Speaker, I rise today to highlight the importance of building energy codes. As a member of the High Performance Building Caucus, I recognize the need to pursue cost effective means to promote energy efficiency.

“American homes and commercial buildings consume 71 percent of our nation’s electricity, 54 percent of its natural gas, and 42 percent of all its energy. The model residential and commercial building energy codes developed by the International Code Council and ASHRAE, the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, have the potential to benefit both consumers and the environment. The Department of Energy’s Building Energy Codes Program participates in this process by researching, further developing, and implementing these codes. A study of this program by the Pacific Northwest National Laboratory found that model energy codes saved consumers roughly \$44 billion and cut greenhouse gas emissions by nearly 3.9 billion metric tons over the past 20 years. In addition, the energy efficiency gained by updating building energy codes stands to stabilize the U.S. demand for

Continued on Next Page...

### ...Continued from Previous Page

electricity and decrease the need to construct more power plants.

“The economic and environmental benefits of model building codes are also appreciated by homebuyers. According to a 2013 survey conducted by the National Association of Home Builders, 9 out of 10 Americans will pay 2 to 3 percent more for a new home with energy efficient features.

“Homeowners understand that having an energy efficient home reduces monthly utility bills and provides long-lasting savings. Additionally, many homebuyers are aware that energy efficient features make their homes quieter and more comfortable, while also raising their resale values.

“Mr. Speaker, it is clear from all of the benefits gained from building energy codes that we should continue to support upgrading model codes, adopting the codes in state and local jurisdictions, and improving compliance. This will save Americans money, contribute to our nation's energy security, and help protect our environment.”

## **GGAC Regional and Chapter Activities**

### **State of the Air 2016**

The American Lung Association (ALA) released its "State of the Air 2016" report which ranks the United States' metropolitan areas based on ozone and particle pollution during 2012, 2013 and 2014. For particle pollution, ALA ranks separately the areas with high year-round (annual average) levels and high short-term levels (24-hour) found in monitoring sites across the United States. Official data from the US Environmental Protection Agency (EPA) is used to compile the rankings. Here are Region 1 cities that made the list!

### **Top 25 Cleanest U.S. Cities for Year-round Particle Pollution**

#7: Elmira-Corning, NY

#12: Burlington-South Burlington, VT

#13: Bangor, ME

#15: Syracuse-Auburn, NY

#22: Albany-Schenectady, NY

#23: Pittsfield, MA

**Your Boston GGAC committee welcomes your articles and event suggestions!**

**Please contact Christine Reinders, Stacie Suh or Steve Rosen.**

[stacie@stebbinsduffy.com](mailto:stacie@stebbinsduffy.com)

[creinders@CANNONDESIGN.COM](mailto:creinders@CANNONDESIGN.COM)

[srosen@RDKEngineers.com](mailto:srosen@RDKEngineers.com)



*By: Dan Carington*

Every month prior to the main program the Boston Chapter of ASHRAE's Board of Governors (BOG) meet to discuss Chapter business. This article, based on the secretary's 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.

Meeting Date: May 17, 2016

### Review of March Meeting Minutes

Each Board of Governors meeting begins with a review and eventual vote to approve the previous month's meeting minutes. Any items that required follow-up are updated and closed or are determined to be carried forward once again.

The meeting minutes were approved for March 2016.

### 2015/2016 Schedule

Discussed how well the April Product & Energy Show was along with its financial report.

Discussion of our upcoming Golf Outing at the Halifax Country Club and how all foursomes sold out. Discussed who will be volunteering to help out at Halifax Country Club and that the current chair Bill Garvey will be stepping down after many years chairing the committee. Jim Liston will be head of the golf committee come June 1 with Erin Popa, Mike Gilroy and Andrew Krenning.

Discussed that Steve Rosen, Hall of Fame inductee, would be announced during the installation of officers' event.

Discussed the Research Promotion (RP) chair Dan Diorio meeting his goal of \$22,800.00 this year.

Discussed the Roster & Product Guide status, Product guide has been uploaded on chapter website.

Confirm officer's position and BOG position for 2016-2017;

President – William Tang (2016-2017)  
President –Elect – Michael Gilroy (2016-2017)  
Vice President – Daniel Carington (2016-2017)  
Secretary – Mark Leonard  
Treasurer – Deanna Adkison

### Additional Miscellaneous Items Discussed

The following topics were briefly discussed:

**Treasurer's Update** – Reviewed the Treasurer's report and financial standing for Main checking, Scholarship Checking and CD Account along with expenses and incomes.

**Committee Chair Responsibilities** – Chapter President, Stacie Suh, suggested that all Committee Chairs stay on top of their Presidential Award of Excellence points, all points are due in mid-July.

**Membership Update** – Membership numbers are at 1147 members strong, but we need to be on top of our members that are delinquent with their membership.

**YEA Update** – YEA has a Thursday tour event coming up and 25 people have signed up, this tour will require you to bring those hard hats and safety gear.



**2016 REGION I CHAPTER REGIONAL CONFERENCE  
AUGUST 18-20 ROCHESTER, NY**

**Sponsorship Levels:**

**Platinum \$5,000**

**Gold \$2,500**

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**Family and Companion Tours**



Strong National Museum of Play



George Eastman Museum



Artisan Works

**YEA Event**



Genesee Brew House

**Presidential Dinner**



The Penthouse

**What is the CRC?**

The Chapters Regional Conference (CRC) is intended to provide a forum for the dissemination of information pertaining to chapter, regional and society activities. Region I consists of Connecticut, Maine, New Hampshire, New Jersey, New York, Rhode Island & Vermont. Chapters from these areas come together to report their activities from the past year and establish goals for the coming year. Technical sessions are conducted as well as award presentations and social activities. This is an annual conference and is located in the city of one of its region's chapters and we are proud Rochester is this year's chosen city for Region I.

Typically 100-150 Region I ASHRAE Members along with spouses and families attend the CRC. Please go to [www.rochester.ashraechapters.org](http://www.rochester.ashraechapters.org) for a detailed listing of the benefits of being a sponsor.

**Conference Registration Fees**

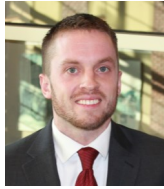
Registration Type	By July 15, 2016	After July 15, 2016
Full Conference	\$370	\$450
Companion Full Conference	\$220	\$270
Kids Full Conference	FREE	FREE
Family Tour (Strong Museum of Play & Lunch)	\$15	\$15
Companion Tour	\$35	\$35
(George Eastman Museum, Artisan Works & Lunch)	\$35	\$35
YEA Event (Genesee Brew House)	FREE	FREE
Friday/Saturday Conference	\$220	\$270
Friday/Saturday Companion	\$130	\$160
Saturday Only	\$120	\$150
Thursday Dinner Only (One East Ave Penthouse)	\$65	\$65
Friday Dinner Only (Hyatt Ballroom)	\$85	\$85

**Conference Registration and Hotel Reservations can be made at: [www.ashrae2016crc.com](http://www.ashrae2016crc.com)**

**Hyatt Regency Room Rate: \$115 + taxes & fees**

Note: Hotel reservation is separate from conference registration.





## **ASHRAE, AHRI, DOE Partner To Fund Flammable Refrigerant Research**

ATLANTA – ASHRAE, the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and the U.S. Department of Energy (DOE) are collaborating to fund vital research that will establish a more robust fact base about the properties and the use of flammable refrigerants. This \$5.2 million research program is part of an ongoing global effort to phase down the use of high-global warming potential (GWP) refrigerants and identify appropriate climate-friendly alternatives. Of the total, DOE is contributing \$3 million, ASHRAE \$1.2 million, and AHRI \$1 million.

In anticipation of a global plan to phase down high-GWP refrigerants, the industry has spent the past five years researching potential alternatives. Through that effort, several promising refrigerants were identified, many of which are low toxicity but are classified as mildly flammable or flammable. This new research program will provide the technical knowledge needed to facilitate and accelerate the safe use of these refrigerants.

The results of this research will immediately be transmitted to the committees responsible for ANSI/ASHRAE Standard 15-2013, Safety Standard for Refrigeration Systems, and ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants, with a goal of using the results to update the standards as soon as possible, subject to full compliance with the ANSI consensus process.

The International Code Council (ICC) has stated that these revised ASHRAE standards will be eligible to be fast-tracked into the international codes, in accordance with ICC procedures.

“ASHRAE has a strong history and commitment to refrigerants, having written our first standard on the topic in 1919,” said David Underwood,

ASHRAE president. “We have continued our work in this area since that time, publishing the industry’s leading standards on refrigerants (Standards 15 and 34) as well as conducting hundreds of research projects on the topic. As such, ASHRAE is fully committed to this project. In fact, the funds we are using for our share represent the largest transfer from our Research Reserve Fund in our 122 year history.”

“AHRI is extremely grateful to ASHRAE, DOE, and the International Code Council for their commitment to accelerating the introduction of suitable alternatives to high-GWP refrigerants,” said Stephen Yurek, AHRI President & CEO. Our member companies, some of which produce refrigerants and others of which manufacture the highest quality air conditioning and commercial refrigeration equipment in the world, can use the results of this vital research to continue in those missions, but in an even more environmentally friendly way,” he said.

## Three ASHRAE Professional Certifications Earn ANSI Accreditation

ATLANTA – Three ASHRAE certifications have received accreditation from the American National Standards Institute (ANSI), joining the High Performance Building Design Professional (HBDP) certification that was accredited last year.

Accreditation was approved May 23 for ASHRAE’s Building Energy Assessment Professional (BEAP), Building Energy Modeling Professional (BEMP) and Commissioning Process Management Professional (CPMP) under International Organization for Standardization (ISO)/ International Electrotechnical Commission (IEC) 17024:2012.

“Obtaining accreditation from ANSI speaks to the credibility of ASHRAE’s certification program, while demonstrating to the industry the value of those who hold the certifications,” David Underwood, P.Eng., CPMP, said. “As a holder of ASHRAE’s CPMP, I am grateful for the added value that comes from ANSI approval.”

The certifications that were accredited are:

### Building Energy Assessment Professional (BEAP)

The BEAP certification program validates competency to audit, assess and analyze residential, commercial and industrial building energy use and develop related recommendations. Certified BEAPs also qualify to perform In Operations ratings for ASHRAE’s Building Energy Quotient (bEQ) program.

### Building Energy Modeling Professional (BEMP)

The BEMP certification program validates competency to model new and existing building and systems with the full range of physics, and evaluate, select, use, calibrate and interpret the results of energy modeling software where applied to building and systems energy performance and economics. Certified BEMPs also qualify to perform As Designed ratings for ASHRAE’s Building Energy Quotient (bEQ) program.

### Commissioning Process Management Professional (CPMP)

The CPMP certification program validates competency to develop and manage the whole building commissioning process with the owner.

More information about the program can be found at [www.ashrae.org/certification](http://www.ashrae.org/certification).

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 50,000 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](http://www.ashrae.org/news).

## 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](http://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**

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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](http://www.ashrae.org/hvactraining) to register.

## 2015-2016 Meeting Schedule

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

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# ASHRAE RESEARCH

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