

2016-2017 Officers



William Tang
President



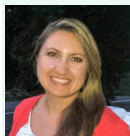
Mike Gilroy
President-Elect



Dan Carington
Vice President



Mark Leonard
Secretary



Deanna Adkison
Treasurer

Table of Contents

President's Message	2
Editor's Note	2
Meeting Info	3
Webmaster's Notes	3
CTTC	4
BOG Meeting Minutes	5
Student Activities	6
PAOE Points	6
Research Promotion	7
2016-2017 Sponsor Recognition	8
Upcoming Events	9
GGAC	10
2017 Golf Registration Form	11
Society News	12
ASHRAE Learning Institute Meeting Schedule	13
Officer & Committee List	15
ASHRAE Research Contributor Listing	16

May Meeting

Tuesday May 9, 2017

Main Event:

Installation of Officers

Please see **page 3** for more information.

Where:

Stockyard Restaurant – Tavern Room
135 Market St, Brighton, MA 02135

Meal:

Passed hors d'oeuvres

Time:

5:30 pm — 8:30 pm

Cost:

ASHRAE Boston Members:	\$50
Non-ASHRAE Boston Members/Walk-ins:	\$60
ASHRAE Student Members with RSVP:	Free

Parking:

Parking is available at Stockyard at no cost.

Special thanks to our Sponsors:

Platinum:

Gold:

RST Thermal
RDK Engineers

Silver:

- Daikin
- R.T. Forbes
- Trane
- HTS New England
- Leonhardt Company

- Victaulic

Event Sponsors:

- Cooney Coil & Energy
- Siemens
- TRO
- WSP



Please register online at www.ashraeboston.org.

RSVP by 12:00 PM on Friday, May 5th.

If you have any questions, you may contact Christopher Pietrocarlo, Attendance Chair, at ashraebostonattendance@outlook.com.

Thank You



PRESIDENT'S MESSAGE

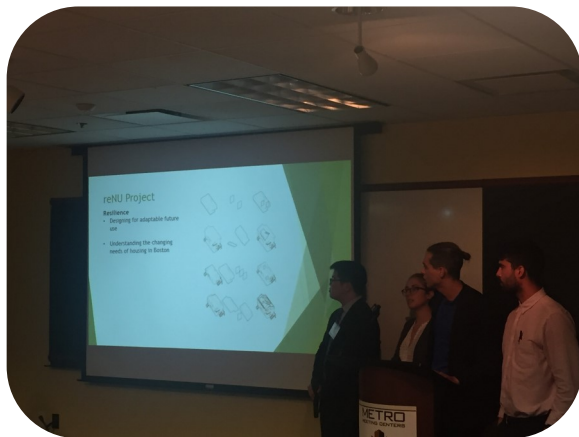
By: William Tang

April was another busy month for the Boston Chapter. I hope you enjoyed the Take Control webcast and the tour at Nightshift Brewery. I want to thank Ginger Scoggins for flying all the way from Raleigh, NC to speak at both the technical session – Attract, Retain & Promote Women in the HVAC Industry and the main program – ASHRAE Standard 100. Both topics were well attended and generated meaningful discussions among attendees.



At the April meeting, Northeastern University's Sustainable Building Organization (NUSBO) made a short presentation on their Department of Energy Race to Zero Student Design Competition. NUSBO's design was selected as one of the finalist in competition. The Boston Chapter awarded NUSBO with \$2,500 so they could attend the final competition in Golden, Colorado.. We hope more ASHRAE Boston student organizations will participate in similar programs and be considered for this award.

April marked the last technical meeting for the 2016-2017 season. I hope you found this year's technical programs useful. We look forward to the Installation of Officers in May and the Annual Golf Tournament in June.



EDITOR'S NOTE

By: Deanna Adkison

Materials for the June newsletter are due by **June 9, 2017**.

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

Main Event: Installation of Officers**Description:**

Please come and celebrate another successful year with the ASHRAE Boston Chapter. The purpose of this event is to show our appreciation and support for all who have served the Boston Chapter during the 2016-2017 year and to induct the new offices for the 2017-2018 year.

Passed hors d'oeuvres will be available. Members and non-members are welcome to attend.

Where:

Stockyard Restaurant – Tavern Room
135 Market St, Brighton, MA 02135

Time:

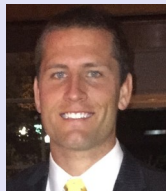
530pm – 830pm

Cost:

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

Parking:

Parking is available at Stockyard at no cost.



Webmaster's Notes

By: Kevin Doty

Two new features will be added to all future event emails and event pages on the website: 1) you will be able to click a downloadable calendar file (.ics) so that the event is automatically added to your calendar (such as Outlook) and 2) a Google Maps link showing the event location. We are also considering adding a Google Maps link for the suggested parking locations as well. *Note – you can set your phone to open the Google Maps app when the link is clicked. These two features are meant to save you time.

Please make sure to add admin@ashraeboston.org to your “safe sender” list to prevent emails from going to your spam folder.

Please send comments and suggestions to coo1web@ashrae.net



CTTC

By: Dan Carington

Congratulations to our winning members that have entered and participated in the following awards;

Technical Paper Award

Ms. Kathleen Sturtevant of Andover, MA

Mr. Vijay Gopalakrishnan of North Andover, MA

This award is for the best technical papers presented at a Society meeting for the 2016-2017 year. This recognition is in a form of a \$500 honorarium and plaque. Of the 5 winners, each will receive \$100.00. A presentation will take place at the Society Annual Conference in Long Beach, California during the Plenary Session on Saturday, June 24, 2017 at 3:15 P.M., for co-authors of *“Improving Variable-Speed Pumping Control to Maximize Saving”*.

Dr. Nicolas T. Gayeski of Maynard, MA

Dr. Si an Kleindienst of Somerville, MA

Dr. Jaime Gagne of Somerville MA

Dr. Stephan Sanouhos of Somerville, MA

Mr Ryan Cruz of Somerville, MA

Mr. Bradley Wentz of Boston, MA

This award is for the best technical papers presented at a Society meeting for the 2016-2017 year. This recognition is in a form of a \$500 honorarium and plaque. Of the 6 winners, each will receive \$83.00. A presentation will take place at the Society Annual Conference in Long Beach, California during the Plenary Session on Saturday, June 24, 2017 at 3:15 P.M., for co-authors of *“Data and Interfaces for Advanced Building Operations and Maintenance”*.

Distinguished Service Award

Ms. Sarah E. Maston of Hudson; MA

This award recognizes members of ASHRAE who have served the Society faithfully and with distinction on committees or otherwise have given freely of their time and talent on behalf of the Society (15 Service points are required). ASHRAE Members Council has voted to honor Ms. Sarah E. Maston with the Distinguished Service Award. The award consists of a plaque and lapel pin. A presentation will take place at the Society Annual Conference in Long Beach, California during the Plenary Session on Saturday, June 24, 2017 at 3:15 P.M.

Please help me congratulate our Boston Chapter members for a job well done, along with all others that participated.



BOG Meeting Minutes

By: Mark Leonard

Meeting started at 4:33 PM

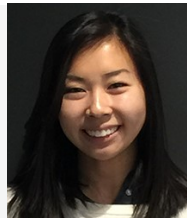
General Business

- March meeting minutes were approved.
- First Annual Social Event was recapped and deemed a success. Name tags to be distributed at all future social events similar to Chapter meetings.
- Corporate Sponsorship Appreciation Event was recapped and deemed a success. New framed corporate sponsor appreciation certificates were well received by recipients.
- ABC discussed current outstanding registration fee invoices.
- ABC will be holding this year's brewery tour at Night Shift on Wednesday, April 26th from 5:30-8:30 PM.
- Event will be limited to 85-90 people.
- Registration fee will be \$35 for members and \$40 for non-members which includes a facility tour and (1) drink ticket. All proceeds to benefit ASHRAE Research.
- New name tags will be utilized for all future Chapter events.
- The "invoice" payment option for event registrations will be discontinued effective September 2017.
- Discussed the 2017-2018 ASHRAE Boston Chapter Officers & BOG Ballots received to date.
- Discussed hosting the "Take Control: Using Analytics to Drive Building Performance" ASHRAE Webcast on April 20th (1:00-4:00 PM EDT) which will be worth 3.0 PDHs. An invitation to members will be distributed soon.
- Details for the Installation of Officers meeting in May were discussed.
- Chapter finances were discussed.
- Details for this year's ASHRAE Golf Tournament were discussed. The tournament will be held in June at Halifax Country Club with new features compared to previous tournaments.
- Changes to the Student Scholarship application were motioned and approved to make juniors in college eligible to apply effective next year. More details to follow.

April Meeting

- April meeting is designated as Student Activities, Young Engineers in ASHRAE, and Women in ASHRAE Promotional Night.
- Ginger Scoggin (Society VP) presented on "Women in Engineering" at the Technical Session as well as "ASHRAE Standard 100" at the Main Meeting.
- Students from Northeastern University were in attendance to briefly discuss their upcoming zero-net energy competition in Golden, CO. The ASHRAE Boston Chapter donated \$2,500 to contribute towards the student design team's travel expenses.

Meeting adjourned at 5:33PM



STUDENT ACTIVITIES

By: Yuka Narisako

Hello members! The Student Night meeting on April 11 was a great success. We hosted the Northeastern University Student Branch, formally known as the Northeastern University Sustainable Building Organization (NUSBO), at the meeting to present a brief description of their net zero building design that was chosen as a finalist in the DOE Race to Zero Design Competition. I'm very proud that the ASHRAE Boston Chapter was able to present the NUSBO with a check for \$2500 to help fund their trip to Colorado for this design competition. I hope next year we can have even more student participation in design competitions!

We also had Wentworth Institute of Technology attend the meeting with an entire table set up to market their continuing education programs. Please reach out to Phil Hammond at hammondp1@wit.edu for more information, or go to www.wit.edu/continuinged.

As a reminder, the deadline for the ASHRAE Boston Chapter academic scholarships is June 15, 2017. I highly encourage our high school student members as well as college/university underclassmen to apply for our Cheryl Rossini Future Engineers Scholarship. Please go to <https://ashraeboston30.wildapricot.org/scholarshipinformation> for more information.

Please feel free to reach out to me at c001sa@ashrae.net with any questions you might have.

Presidential Award of Excellence

Boston Chapter - 2016-2017

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
1052	1555	860	920	640	1245	900	550	6,670

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: \$400 for 1/2 page, \$800 for full page

Website Rate: \$300 per calendar month

Discount for Both Newsletter & Website: \$630 - 1/2 page in newsletter and website (10% discount)
\$935 - full page in newsletter and website (15% discount)

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

Deadline for June Newsletter: June 9, 2017

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



RESEARCH PROMOTION

By: Stacie Suh

Dear ASHRAE Members,

As always, I would like to extend my sincerest thanks to you for your support of ASHRAE Research last year. It's because of your support that we were able to fund more than \$14 Million worth of research. More than 80 research projects worldwide received support from ASHRAE because of your investment. We've begun the

2016-2017 Campaign and I hope we can once again count on your support of ASHRAE Research this year. The Boston Chapter goal for 2016-2017 is \$25,001, Region I goal \$188,000 and society goal is \$2.6 million.

We have raised \$13,329.00 so far with \$11,622.00 remainder of to go.



Thank you to following Donors:

Boston ASHRAE Chapter
 BR+A Consulting Enigeers
 Daikin
 Dr Benjamin S Weil
 Green Footprints Commissioning
 HTS Engineering Ltd
 Industrial Plastic Fan
 Jason Stack
 Kirschner Associates Inc
 Leonhardt Company Inc
 Mr Anthony H Castelline
 Mr Brian E Austin
 Mr Christopher M Wyszczanski
 Mr Dan Senese
 Mr Daniel P Diorio
 Mr Daniel P J Carington

Mr David Goodman
 Mr David P Kirschner
 Mr Edward Dullea
 Mr Gene F Koons, Jr
 Mr J Michael Fleming
 Mr James E Armstrong
 Mr Jeffrey H Schultz
 Mr Jeffrey Zajac
 Mr John F Coffey, Jr
 Mr John M Swift, Jr
 Mr Karl R Hudson
 Mr Lance Brown
 Mr Mark Leonard
 Mr Michael J Daigneault
 Mr Michael P Gilroy
 Mr Richard D McGinley
 Mr Robert J Barstow, PE
 Mr Robert J Persechini
 Mr Robert W Persons
 Mr Stephen Lahti
 Mr Steven J Lappin
 Mr Steven J Tafone

Mr Steven L Rosen
 Mr Thomas R Trumbull
 Mr Warren E Hudson
 Mr William J Garvey
 Mr William K Tang
 Ms Christine Reinders-Caron
 Ms Darcy A Carbone
 Ms Deanna Jean Adkison
 Ms Stacie Suh
 R. T. Forbes Company
 RDK
 RECCO
 RST Thermal
 TNZ Energy Consulting
 Trane
 Victaulic
 Victory Heating & Air Conditioning
 Walsh Mechanical Contractors

As always, you may also make your investment online at www.ashrae.org/donate. If you are interested in donating in other method than online, please let me know. Your contribution will automatically go toward helping the Boston Chapter reach our RP goal for 2016-2017.

If you'd like a list of research projects being conducted in the region or about specific topics, please let me know.

Here are few links that you might find useful.

Also you can find more information on resource promotion, please go to <https://www.ashrae.org/standards-research-technology/ashrae-rp>.

If you are interested in important dates and deadlines for research projects please click on <https://www.ashrae.org/standards-research-technology/research>.

These Research Project Final Reports document the results of the research project, and are approved by the sponsoring Technical Committee. ASHRAE members have free access through the [Members-Only Research Projects Final Reports site](#).

If you are interested in submitting solicited research project, go to <https://www.ashrae.org/standards-research-technology/research>.

If you are interested in donating to ASHRAE Resource, go to www.ashrae.org/donate

Again, thank you for your continued support of these vital projects – it's greatly appreciated.

Please contact me with any questions at StacieSuh@mail.ashrae.org.

Stacie Suh /RP Chair 2016-2017
[Email](#)



2016-2017 Sponsor Recognition

By: William Tang

The ASHRAE Boston corporate sponsorship program helps support ASHRAE Research, sponsor a local student branch (NUSBO) to compete in the U.S. Department of Energy Race to Zero challenge, and fund the Cheryl Rossini Future Engineers Scholarship. In addition, the sponsorship program made the Chapter Annual Social and many YEA and WiA events possible. These events increase member involvement in the chapter beyond regular technical meetings. The ASHRAE Boston Chapter would like to thank our corporate partners who contributed to the sponsorship program.

Gold:

RDK Engineers
RST Thermal

Silver:

Daikin
HTS New England
Leonhardt Company
R.T. Forbes
Trane
Victaulic



ASHRAE BOSTON UPCOMING EVENTS

Visit <https://ashraeboston30.wildapricot.org/resources/Documents/Save%20the%20Date%205.pdf> for more information.

Installation of Officers

When: May 9, 2017

Where: Stockyard Restaurant—Tavern Room

Golf Outing

When: June 5, 2017

Where: Halifax Country Club, Halifax, MA

ASHRAE Annual Conference

When: June 24-28, 2017

Where: Long Beach, CA

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

www.afe74.org

USGBC Massachusetts Chapter

www.usgbcma.org

AEE New England Chapter

www.aeenewengland.org/

IBPSA Boston Chapter

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



By: Christine Reinders

Climate-Adapt

The European Climate Adaptation Platform --(CLIMATE-ADAPT) is a partnership between the European Commission (DG CLIMA, DG Joint Research Centre and other DGs) and the European Environment Agency.

CLIMATE-ADAPT aims to support Europe in adapting to climate change. It is an initiative of the European Commission and helps users to access and share data and information on:

- Expected climate change in Europe
- Current and future vulnerability of regions and sectors
- EU, national and transnational adaptation strategies and actions
- Adaptation case studies and potential adaptation options

Tools that support adaptation planning

CLIMATE-ADAPT organizes information under the following main entry points:

- Adaptation information (Observations and scenarios, Vulnerabilities and risks, Adaptation measures, National adaptation strategies, Research projects)
- EU sector policies (Agriculture and forestry, Biodiversity, Coastal areas, Disaster risk reduction, Financial, Health, Infrastructure, Marine and fisheries, Water management)
- Transnational regions, Countries and Urban areas

Tools (Adaptation Support Tool, Case Study Search Tool, Map Viewer)

May is Asthma Awareness Month

May is Asthma Awareness Month (AAM)—the perfect time to raise awareness and take action in your school community. Each May, thousands of organizations across the U.S. join together for AAM to increase public awareness and improve the lives of children and families with asthma. Be part of this national effort to get asthma under control in communities nationwide!

California Seeks to Use Waste Heat for Efficient Energy

A new lab project seeks to efficiently capture waste heat and convert it to electricity, potentially saving California up to \$385 million per year. With a \$2 million grant from the California Energy Commission (CEC), Lawrence Berkeley National Laboratory is partnering with local energy startup Alphabet Energy to create a cost-effective thermoelectric waste heat recovery system to reduce both energy use in the industrial sector and electricity-related carbon emissions. Industry research and consulting firm ICF International estimates that such a system could save California 3.2 million MWh per year in energy while also increasing electrical reliability.

ASHRAE Standard 189.1 for Florida Bid Process

The Florida Administrative Record, published on April 13, 2017, has given notice that the State of Florida, Department of Military Affairs (DMA), Construction & Facility Management Office (CFMO) requests qualifications from the State of Florida registered licensed General/Building Contractors (GC) and Architect/Engineering (A/E) Teams for Design-Build Services for the following project located at Crystal River National Guard Armory FMS #17, Crystal River, Florida. The design and construction of facility renovation must include energy efficiencies meeting ASHRAE Standard 189.1 through improved building envelope and integrated building systems performance.

Once again the ASHRAE Boston Chapter is proud to host our annual golf outing where you can spend some quality time with your friends, co-workers, customers and vendors! Please read through the sponsorships to find one that strikes your fancy.

Please contact **Jim Liston** at JListon@columbiacc.com with any questions. Deadline for registration is **May 15, 2017**. All event proceeds go towards Boston Chapter operations and ASHRAE Research Promotion.

Schedule of Events

11:30 am	Registration & Lunch
12:45 pm	Shotgun Start (true scramble format)
6:00 pm	Reception

All Sponsorship levels include:

- ❖ One round of golf for four (4) players
- ❖ BBQ Lunch
- ❖ Buffett Dinner
- ❖ Gift bag for each player

Please inquire about the opportunity to provide additional marketing material for gift bags! As always, thank you for your continued support!

2017 Sponsorship Opportunities

- \$2,000** **Air Cannon Shot Sponsorship** (1 Available)
 - ❖ Company Logo on tee box signage on one (1) hole
 - ❖ Closest to Pin and Hole In One Contest
- \$1,150** **Lunch Sponsorship** (5 Available)
 - ❖ Company Logo displayed during lunch
- \$1,150** **Picture Sponsorship** (1 Available)
 - ❖ Company Logo on picture handed to each player
- \$1,000** **Beverage* Cart Sponsorship** (1 Available)
 - *Non-Alcoholic Beverages Only
 - ❖ Company Logo displayed on beverage carts
- \$1,000** **Beverage* Shack Sponsorship** (1 Available)
 - *Non-Alcoholic Beverages Only
 - ❖ Company Logo displayed on beverage carts
- \$1,000** **Practice Green Sponsorship** (2 Available)
 - ❖ Company Logo on signage at practice range
- \$900** **Longest Drive Sponsorship** (1 Available)
 - ❖ Tee Box signage on one (1) contest hole
- \$900** **Closest to the Pin** (1 Available)
 - ❖ Tee Box signage on one (1) contest hole
- \$850** **Hole Sponsorship** (15 Available)
 - ❖ Tee Box signage on one (1) hole
- \$650** **Basic Foursome**

Contact Information:

Name _____
 Title _____
 Company / Organization _____
 Email _____
 Address _____
 City, State ZIP _____
 Phone _____

Foursome Information:

1. Name _____
 Title _____
 Company _____

2. Name _____
 Title _____
 Company _____

3. Name _____
 Title _____
 Company _____

4. Name _____
 Title _____
 Company _____

- | | |
|--|---|
| <input type="checkbox"/> Air Cannon Shot Sponsorship (\$2,000) | <input type="checkbox"/> Practice Green Sponsorship (\$1,000) |
| <input type="checkbox"/> Lunch Sponsorship (\$1,150) | <input type="checkbox"/> Longest Drive (\$900) |
| <input type="checkbox"/> Picture Sponsorship (\$1,150) | <input type="checkbox"/> Closest to the Pin (\$900) |
| <input type="checkbox"/> Beverage Cart Sponsorship (\$1,000) | <input type="checkbox"/> Hole Sponsorship (\$850) |
| <input type="checkbox"/> Beverage Shack Sponsorship (\$1,000) | <input type="checkbox"/> Basic Foursome (\$650) |

Total Sponsorships: \$ _____

Payment By Credit Card:

Visit our website at <http://www.ashraeboston.org/golfouting>

Payment by Check:

Make checks payable to "ASHRAE Boston" and
 Mail to:

ASHRAE Boston Chapter
 c/o Columbia Construction Co.
 100 Riverpark Drive
 North Reading, MA 01864
 Att'n: Jim Liston

Questions & Registration: JListon@columbiacc.com

ASHRAE and IOR Strengthen Partnership with Signing of New MoU Agreement

ATLANTA – ASHRAE and the Institute of Refrigeration (IOR) have signed a new Memorandum of Understanding (MoU) formalizing the organizations’ relationship, which dates back more than a century.

The new MoU outlines how the two groups will work together more closely and with more defined parameters to continue furthering and promoting the advancements of cooling and heating related technologies. These include but are not limited to research; joint conferences and meetings; training and education programs; publication distribution and chapter collaboration.

“Strengthening our relationship with IOR is a natural and obvious decision. Both organizations are committed to harnessing and adapting new technologies and research to create a future where the built environment is healthier, more comfortable and more energy efficient,” says ASHRAE President Tim Wentz, Fellow ASHRAE, HBDP. “The strides our organizations are making to produce a more sustainable world are exciting, and both ASHRAE and IOR are well poised to support each other’s objectives immediately and moving into the future. We are pleased to formalize our relationship with this MoU and look forward to continuing a long association with IOR.”

As part of the agreement, ASHRAE and IOU will explore ways to make technical information more accessible to both memberships. The MoU additionally places special focus on continuing to build and strengthen the organizations’ global networks. As ASHRAE and IOR continue growing their memberships internationally, the possibility of joint events would benefit both groups. Co-hosting a conference or meeting would directly support global collaboration that could help further the impact ASHRAE and IOR have on the industries they serve.

“I am proud that we have refreshed the IOR and ASHRAE long-standing relationship through the signing of a new MoU, approved recently by both of our boards,” says IOR President Stephen Gill. “This will underpin future collaborative work for both organizations. ASHRAE and IOR already share much of common interest in that both organizations represent a network of dedicated individuals who have a strong commitment to the advancement of our industry. We look forward to continuing to work closely together in the future, particularly in areas such as improving education and skills, disseminating technical publications and encouragement of improved standards – especially in refrigeration, air conditioning and heat pump areas of expertise.”

The MoU was signed by Tim Wentz and Stephen Gill as part of the CIBSE ASHRAE Technical Symposium 2017 at Loughborough University on April 6.



Shown signing the agreement are Tim Wentz, ASHRAE President (left) and Stephen Gill, IOR President (right).

About ASHRAE

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. ASHRAE and its more than 57,000 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.

About IOR

The Institute of Refrigeration (IOR) is a widely recognised individual membership organisation in the refrigeration, air conditioning and heat pump field. It promotes the advancement of technologies and shares information through a wide range of UK and international initiatives for professional, technical and education standards, diversity, careers and profile raising for the sector. In this way it supports the advancement of cooling technologies and applications. IOR is a member of the International Institute of Refrigeration, recognized as an affiliate of the UK Engineering Council and represents members in 45 different countries globally. To learn more about IOR, visit www.ior.org.uk.

ASHRAE Learning 2017 Online Course Series

REGISTRATION

One-part course (3 hours):
\$284 (\$219 ASHRAE Member)

Two-part courses (6 hours):
\$484 (\$359 ASHRAE Member)

[Register](#)

MULTIPLE PARTICIPANTS

Site Licenses are Available when five or more attend. [Learn More >>](#)

TIME FRAME

All courses are presented from 1:00 - 4:00 PM, Eastern Time.

General Information

Information about the ASHRAE online course series. [Learn More >>](#)

Note: Course fees listed above are per person for a single presentation connection for individual use and may not be shared with other users. All registrants must individually register for the desired course to participate and receive continuing education credit.

All courses are archived for a period of time after their initial presentation.

Receive a 10% discount on the PDF format of the Recommended Reference. (Discount is included in item prices on registration form.)

Two-Part Half-Day Short Course List

The following course carries 6 CEU/PDH credits and is comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits. Archiving is available.

Note: Course fees listed are per person for a single presentation connection for individual use and may not be shared with other users. All registrants must individually register for the desired course to participate and receive continuing education credit.

Nov 1, 2017

[New! Complying with Standard 90.1-2016, Parts I and II, ES Practices](#)

The 2016 update of ASHRAE Standard 90.1 Energy Standard for Buildings is a major revision, containing more than 125 changes from the 2013 version. Together, Standards 90.1-2007, 90.1-2010, 90.1-2013 and 90.1-2016 produce almost 40% energy savings from the 2004 version. The 2016 edition offers a si...

Half-Day Short Course List

The following courses each carry 3 CEU/PDH credits. Archiving is available.

Note: Course fees listed are per person for a single presentation connection for individual use and may not be shared with other users. All registrants must individually register for the desired course to participate and receive continuing education credit.

May 3, 2017

[Air-to-Air Energy Recovery Fundamentals](#)

Air-to-air energy recovery provides one of the most cost-effective and efficient ways to recycle waste energy and create superior indoor environments. This course introduces recommendations in the latest ASHRAE and AHRI standards, codes and guidelines with respect to air-to-air energy recovery tech...

May 9, 2017

[Air-to-Air Energy Recovery Applications: Best Practices](#)

Air-to-air energy recovery is a very cost-effective and efficient way to recycle waste energy and create superior indoor environments. This course will review real-world examples of where and how air-to-air energy recovery technologies are integrated into some of the most commonly used commercially...

2016-2017 Meeting Schedule

Date	Main Meeting/ Tech Session	Speaker	PDH Credits	Location/ Special Night
September	Lessons Learned	Steve Tafone	1.0	Embassy Suites 550 Winter St. Waltham
Wednesday September 21, 2016	N/A		N/A	Research Promotion/Membership Promotion
October	Net Zero Energy Building	Conor McGuire	1.0	CBRE Amenity Center 100 High St. Boston
Tuesday October 18, 2016	Tech Session: Coil Freeze Protection	Cooney Coil	TBD	Past Presidents & History
November	Tour of Bruins' Training Facility		-	Warriors Ice Arena 80 Guest St. Boston
Tuesday November 8, 2016	N/A	N/A	N/A	Student Activities/ Young Engineers in ASHRAE/Women in ASHRAE
December	Solar Heating - Hosted by ASPE	TBD	TBD	Lantana 43 Scanlon Dr. Randolph
Tuesday December 13, 2016	Tech Session: TBD	TBD	TBD	Joint Meeting with ASPE
January	Steam Design	Kevin Foley	TBD	Embassy Suites 550 Winter St. Waltham
Tuesday January 10, 2017	Tech Session: Montreal Protocol Refrigerant Updates	Trane	TBD	Research Promotion/Membership Promotion
February	Space Pressurization	Jim Coogan	1.0	Metro Meeting Centers 101 Federal St. Boston
Wednesday February 15, 2017	Tech Session: Proper Venting of Fuel Fired Appliances	Frank I Rounds	1.0	Joint Meeting with I2SL
March	Demand Reduction - Hosted by AEE	Carlos Nouel	TBD	Embassy Suites 550 Winter St. Waltham
Wednesday March 1, 2017	Tech Session: TBD	TBD	TBD	Joint Meeting with AEE
April	Standard 100	Ginger Scoggins	TBD	Metro Meeting Centers 101 Federal St. Boston
Tuesday April 11, 2017	Tech Session: Attract, Retain & Promote Women in the HVAC Industry Open Discussion	Ginger Scoggins	TBD	Student Activities/Young Engineers in ASHRAE/Women in ASHRAE
May	Installation of Officers		N/A	Stockyard Restaurant—Tavern Room 135 Market St. Brighton, MA
Tuesday May 9, 2017				
June	Golf Outing	Jim Liston	N/A	Halifax Country Club, Halifax, MA
Monday June 5, 2017				Research Promotion

OFFICERS

President
William Tang, BR+A
617-254-0016
coo1@ashrae.net

Secretary
Mark Leonard BR+A
617-925-8322
coo1sec@ashrae.net

President-Elect
Mike Gilroy, BR+A
617-925-9255
coo1pe@ashrae.net

Treasurer
Deanna Adkison AKF Group
617-535-8236
coo1tr@ashrae.net

Vice President
Dan Carington BR+A
617-925-8236
coo1vp@ashrae.net

BOARD OF GOVERNORS

2016-2019	2015-2018	2014-2017
Darcy Carbone Stebbins Duffy, Inc. 617-957-2567 coo1bog2@ashrae.net	Daniel Diorio Boston College 617-552-8772 coo1bog4@ashrae.net	Dan Carington BR+A 617-925-8236 coo1bog3@ashrae.net
Christine Reinders CannonDesign 617-517-6204 coo1bog1@ashrae.net	Jim Liston Columbia Construction Co. 978-664-9500 coo1bog6@ashrae.net	William Garvey 781-910-9576 coo1bog12@ashre.net
Stacie Suh Stebbins Duffy 781-258-1002 coo1bog9@ashre.net	Justin Mole Cannon Design coo1bog7@ashrae.net	Mark Leonard BR+A 617-925-8322 coo1bog8@ashrae.net
Steve Tafone Suffolk Construction 978-774-1057 coo1bog10@ashrae.net	Erin Popa BR+A 617-925-8205 coo1bog5@ashrae.net	Teri Shannon DAC Sales 207-985-0873 coo1bog11@ashrae.net

COMMITTEES

Attendance Chris Pietrocario BR+A ashraebostonattendance@outlook.com	Golf Outing Jim Liston Columbia Construction Co. 978-664-9500 jliston@columbiacc.com	Honors & Awards Darcy Carbone Stebbins Duffy, Inc. 617-957-2567 coo1ha@ashrae.net	Professional Development Mark Leonard BR+A 617-925-8322 mleonard@brplusa.com	Sustainability Lance Brown BVH LanceB@bvhis.com
Chapter Program Dan Carington BR+A 617-925-8236 coo1cttc@ashrae.net	Grassroots Government Activities Steven Rosen RDK Engineers coo1ggac@ashrae.net	Membership Promotion Dan Carington BR+A 617-925-8236 coo1mem@ashrae.net	Publicity Andrew Krenning Siemens Industry, Inc 781-589-4097 coo1pub@ashrae.net	Website Kevin Doty Vicaluc coo1web@ashrae.net
Chapter Technology Transfer Dan Carington BR+A 617-925-8236 coo1cttc@ashrae.net	Christine Reinders Cannon Design Creinders@cannondesign.com	Nominating Bob Persechini RDK Engineers 617-345-9885 coo1nom@ashrae.net	Refrigeration Steven Tafone Suffolk Construction 978-774-1057 coo1ref@ashrae.net	WiA Stacie Suh Stebbins Duffy, Inc. 781-258-1002 Stacie@stebbinsduffy.com
CRC Alternate Mike Gilroy, BR+A 617-925-9255 coo1pe@ashrae.net	Stacie Suh Stebbins Duffy, Inc. 781-258-1002 Stacie@stebbinsduffy.com	Research Promotion Stacie Suh Stebbins Duffy 781-258-1002 coo1rp@ashrae.net	Joseph Dussault JDussault@engsolutions.com	Deanna Adkison AKF Group 617-535-8236 dadkison@akfgroup.com
CRC Delegate William Tang, BR+A 617-254-0016 coo1@ashrae.net	Historian Eric Edman BR+A 617-925-8325 coo1his@ashrae.net	Newsletter Editor Deanna Adkison AKF Group 617-535-8236 coo1ne@ashrae.net	Student Activities Yuka Narisako BR+A coo1sa@ashrae.net	YEA Joseph Dussault coo1yea@ashrae.net
				Christine Reinders Cannon Design Creinders@cannondesign.com

Investors Who
Care About
Tomorrow

ASHRAE RESEARCH

ASHRAE Boston Chapter Contributors

Boston ASHRAE Chapter
BR+A Consulting Enigeers
Daikin
Dr Benjamin S Weil
Green Footprints
Commissioning
HTS Engineering Ltd
Industrial Plastic Fan
Jason Stack
Kirschner Associates Inc
Leonhardt Company Inc
Mr Anthony H Castelline
Mr Brian E Austin
Mr Christopher M Wysoczanski
Mr Dan Senese
Mr Daniel P Diorio
Mr Daniel P J Carington
Mr David Goodman
Mr David P Kirschner
Mr Edward Dullea

Mr Gene F Koons, Jr
Mr J Michael Fleming
Mr James E Armstrong
Mr Jeffrey H Schultz
Mr Jeffrey Zajac
Mr John F Coffey, Jr
Mr John M Swift, Jr
Mr Karl R Hudson
Mr Lance Brown
Mr Mark Leonard
Mr Michael J Daigneault
Mr Michael P Gilroy
Mr Richard D McGinley
Mr Robert J Barstow, PE
Mr Robert J Persechini
Mr Robert W Persons
Mr Stephen Lahti
Mr Steven J Lappin
Mr Steven J Tafone
Mr Steven L Rosen

Mr Thomas R Trumbull
Mr Warren E Hudson
Mr William J Garvey
Mr William K Tang
Ms Christine Reinders-Caron
Ms Darcy A Carbone
Ms Deanna Jean Adkison
Ms Stacie Suh
R. T. Forbes Company
RDK
RECCO
RST Thermal
TNZ Energy Consulting
Trane
Victaulic
Victory Heating & Air
Conditioning
Walsh Mechanical Contractors

Gold Sponsors:

RST Thermal
RDK Engineers

Silver Sponsors:

Daikin
R.T. Forbes
Trane
HTS New England
Leonhardt Company
Victaulic

CONTACT STACIE SUH NOW! at 781-258-1002 or co01rp@ashrae.net

Mail Check (Payable to "ASHRAE Research") to:

ASHRAE RESEARCH

Stacie Suh
10 Technology Dr.
Peabody, MA 01960

**Your contribution puts us closer to achieving our goal.
Please send what you can today!**

Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin and Honor Roll Contribution status.

Name: _____

Company: _____

Address: _____

TEL: _____

INDIVIDUAL

\$25.00

\$50.00

\$100.00

\$200.00

Other: _____

CORPORATE

\$250.00

\$500.00

\$1,000.00

\$2,000.00

Other: _____



NorthEastAire

ASHRAE - BOSTON CHAPTER www.ashraeboston.org

Deanna Adkison
AKF Group
99 Bedford St., 2nd FL
Boston, MA 02111