



**2018-2019 Officers**



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**September Meeting**

**Tuesday, September 11, 2018**

**Main Meeting:**

**MIT Tour**

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

**Where:**

MIT Building 36  
50 Vassar street  
Cambridge, MA, 02139

**Meal Menu:**

Buffet style dinner

**Meeting Timeline:**

5:30 - 6:30PM    Networking and Dinner (buffet style)  
6:15 - 7:00 PM    Building Overview Presentation by engineering managers;  
7:00 - 8:00 PM    Building Tours

**Cost:**

ASHRAE Boston Members: \$50  
Non-ASHRAE Boston Members: \$60

***JOIN ASHRAE***



Boston Chapter Officers, BOG and Committee Members

Please register online at [www.ashraeboston.org](http://www.ashraeboston.org)  
If you have any questions, you may contact Lucas Rowe or Alex Gilman, Attendance Chair, at [ashraebostonattendance@outlook.com](mailto:ashraebostonattendance@outlook.com).

**Thank You**



## PRESIDENT’S MESSAGE

*By: Dan Carington*

Welcome back to an exciting upcoming year that we have been planning for you. My name is Daniel PJ Carington I am the 2018-2019 President of the ASHRAE Boston Chapter. I have served several positions amongst very talented peers since 2004 when I began my ASHRAE journey. After many years of growing with the Boston Chapter I was humbled by the support I have received to serve as your current President. I am looking forward to the challenge of following in the footsteps of a long list of amazing Past Presidents.

During my time as ASHRAE Boston President, I hope to bring knowledgeable speakers from the two worlds of sales and engineering together in networking events and monthly meetings. My plan is to build the relationships between engineers and contractors so both parties have a better understanding of the challenges that arise during the progression of design, estimating, and construction, hence my theme for the year “Lessons Learned”. We will continue to present strong technical programs all year long, with the majority of the presentations and technical sessions shall be providing Professional Development Hours (PDHs). Keeping with past years tradition we will also maintain our yearly relationships with the local chapters of AEE, ASPE and IAQP, hosting “crossover topics” meant for both of our audiences.

We recently attended our Chapter Regional Conference (CRC) August 16-18, 2018 in Jersey City, NJ. We were well represented by the ASHRAE Boston Chapter in which we received the “Golden Boot” Award. I’ll provide more details from the event in our October Newsletter.

I would like to give a special “Thank You” to Mike Gilroy, our 2017-2018 Chapter President, for his diligent and dedicated service and for all the hard work put forth by his Chairs & Co-Chairs. I am delighted to have a great team this term consisting of previous members and some new faces too.

I would like to thank everyone who has had an impact on getting me to this point as your president. Especially from our Past President Cheryl Rossini who gave me an opportunity to get involved with Student Activities. Past President Teri Shannon, who helped me be successful with my 3 1/2 years with Membership Promotion. In 2016, I was persistently encouraged by Past President Stacie Suh for me to journey on the path towards presidency. Most recently Past President Darcy Carbone who took the time out of her busy schedule to host our Installation of Officers this past May. All this inspired me to “Get involved”. There are always various ways to volunteer, get involved and we are always looking for fresh faces to fill yearlong positions such as Co-Chairs or to lend a hand during any of our many meetings or events. Whatever it may be, we appreciate your involvement. You will meet amazing and supportive professionals like I have.

Your feedback is important to me and it is essential in making this year successful. We want to provide exciting and beneficial meeting topics, opportunities for growth, and the support each individual requires. Our first meeting is scheduled September 11, 2018 with a tour of MIT Nano, but watch for our monthly newsletter for more details information. Please RSVP as soon as you can to ensure your attendance. I hope to see you all there!

<b>Presidential Award of Excellence</b>									
<b>Boston Chapter - 2017-2018</b>									
<b>Chapter Members</b>	<b>Membership Promotion Points</b>	<b>Student Activities Points</b>	<b>Research Promotion Points</b>	<b>History Points</b>	<b>Chapter Organization Points</b>	<b>Chapter Technology Transfer Points</b>	<b>Grassroots Government Affairs Points</b>	<b>Electronic Communications Points</b>	<b>Chapter PAOE Point Totals</b>
<b>1052</b>	<u>600</u>	<u>250</u>	<u>0</u>	<u>100</u>	<u>960</u>	<u>0</u>	<u>0</u>	<u>50</u>	<b>1,960</b>

## EVENT INFORMATION

# MIT Nano Tour

**When:**

**Tuesday September 11th, 2018**

**Where:**

MIT Building 36  
50 Vassar street  
Cambridge, MA, 02139

Short 30 minute presentation will be held at room 12-0168 (Building 12 – Room 0168)

**Meal Menu:**

Buffet style dinner

**Meeting Timeline:**

5:30 - 6:30PM Networking and Dinner (buffet style)  
6:15 - 7:00 PM Building Overview Presentation by engineering managers;  
7:00 - 8:00 PM Building Tours

**Meeting Location:** MIT, 50 Vassar street , Cambridge, MA, 02139

**Parking:** Parking available nearby.

**Additional Information:**

RSVP by 12:00pm (noon) Monday, September 10th, 2018.  
Please register [online](#) whether pre-paying with credit card / PayPal.

**Cost:**

ASHRAE Boston Members: \$50  
Non-ASHRAE Boston Members: \$60  
Speakers: TBD



## HISTORICAL NEWS

By: Eric Edman



# History Lesson (of sorts)

By: Eric Edman

Chapter Historian- BR+A

I figured I'd share a simple story about my first job in the HVAC field.

Let's roll the tape back to June of 1982.

I graduated from Newton Tech (Newton North HS today) with plans to start at what was the Blue Hills Tech Institute (Massasoit Comm. College today) in the fall. I applied to a very local (as in the village) Sheet metal and Air Conditioning Company. I was ever so eager to start, and was put in the sheet metal fabrication department. Hmm, tin-knockers as we call them. It was a sweatshop in the true sense. At the start, I was given the task of making duct slips, and drive cleats from scrap stock beneath the stamping cutter. I cut the stock, and folded the metal by hand. I actually did not mind this so much as there was a fan (air moving device) at least, at "my" station.

The end of the first week came along. Payday. This was in the days when people were paid weekly. Yes, I made my first paycheck!! I was on cloud 9!! Then, the shop foreman came over to me. He looked me in the eyes. He said he needed to collect \$10 from me for "Union Protection"!! Now, at age 17, "Union Protection" was not something I was familiar with. The quizzed look on my face must have told him that he needed to explain things to the FNG. He told me we were a non-union shop, we did work in the city, and if caught, the union guys would slice truck tires and bust windshields unless we paid for "union protection" He went on to say senior guys paid \$20, and new guys paid \$10 every week on Friday. Everyone paid, and several "older" guys around me grunted in agreement... Who was I to challenge this authority?? So... reluctantly, I forked over 10 hard earned dollars to the shop foreman all summer long every Friday. I sweat a lot making duct slips, and drives. I was even given the pleasure of insulating ductwork! So much fun on a hot day for sure.

Well, I soon "graduated" from the sweat shop, and was allowed into "the field". The excitement of going to a jobsite finally!! I worked hard installing ductwork. I used the duct slips and drives, along with the insulated duct that I had made- to put systems together in an apartment complex in Boston. This lasted a few weeks. Summer was drawing to a close. College was getting closer, and my summer days were numbered. Alas, the last Friday of my summer career came along, and I was in the shop. The lunch bell, (yes, a real bell, rang) and I searched for my lunch comrades. OMG an empty shop?? Where was everyone?? All of a sudden the huge shop doors opened up. In walked everyone in the shop with about 5 cases of beer, and a dozen pizza boxes. This was my "going away" party.

The shop foreman stepped forward, and handed me some cash. WOW! He looked me in the eye, and said "kid" here is your "Union Protection" money back to you, and enjoy your going away party!! I turned a deep color red, and the laughter shook the building. We all enjoyed the pizza and beer. I look back at those lessons learned, and have to say I really enjoyed sweating, and getting dirty putting ductwork together. I have to think it has made me appreciate what I put on plans as an engineer, and respect the people who make ductwork every day. Some of them are "kids", but some of them are really masters in the sheet metal craft. It is not an easy profession.

I hope you get a chuckle from this history lesson.



## EVENTS

By: Sophia Scoon

Region I Fall Chapter Regional Conference (CRC) was held at Jersey City, in New Jersey this past month of August. The intent of the conference is to provide Region I (Northeast) with information regarding the chapter, regional and society activities. Each chapter reported on their past year and set goals for the new year. The attendees are provided with feedback and also have the opportunity to brainstorming on performance and awards. The event also had several social activities to participate. Many members attended along with their family members.



This was a great opportunity to learn about other chapters and exchange success and improvement tips. For more information click [here](#)



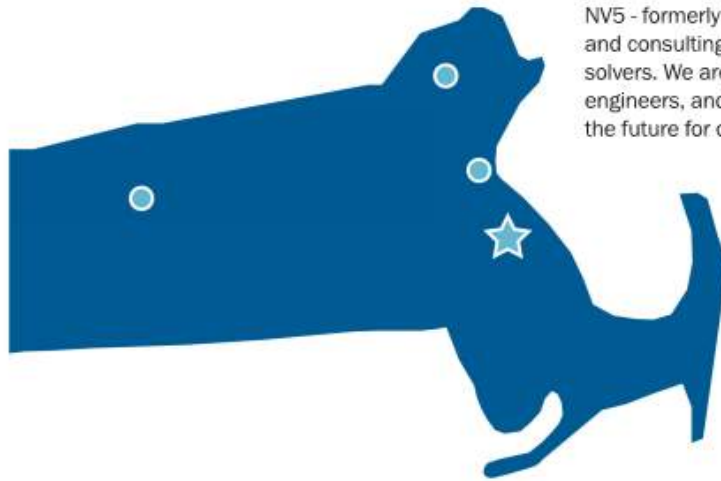
Boston Chapter received awards and recognition plaques for Student Activities, Sustainability, among others.

## TIRED OF THE CITY TRAFFIC? SO WERE WE.

# NV5

That's why we opened a brand new office in Braintree, steps from the Red Line and the Commuter Rail. Still want to drive? No problem - parking is free. But the best part is...

## WE'RE HIRING.



NV5 - formerly RDK Engineers - is a provider of professional engineering and consulting services. At NV5, we are shaping the future. We are problem solvers. We are client champions. We are a team of talented professionals, engineers, and consultants. We are a team of individuals striving to change the future for our communities.

Come work for us at 100 Grossman Drive, 4<sup>th</sup> Floor, Braintree, MA 02184.

Learn how at [www.nv5.com/careers/](http://www.nv5.com/careers/).

NV5 has over 100 offices worldwide, including four in Massachusetts:

- Braintree, MA
- Boston, MA
- Andover, MA
- Hadley, MA

## 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:** \$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 October Newsletter:** September 11, 2018

Any questions, please contact Sophia Scoon, Newsletter Editor at or [northeastaire@gmail.com](mailto:northeastaire@gmail.com)

Sponsors also get to post ads on the newsletter! To learn more please click [here](#)



## Sustainability

*By: Lance Brown*

As the 2018-2019 ASHRAE year begins, allow me to re-introduce the Sustainability Committee. This is my second year as chair. Last year there were no Sustainability events, and I'm hoping to change that this year. Ideas that have been floated are:

- ☑ One-day volunteering with Habitat for Humanity or on a non-profit farm
- ☑ Participation in a spring cleanup activity organized by Greenovate Boston

There are many other events, some more closely tied to HVAC, listed at [ashrae.org/community](http://ashrae.org/community)

Please email me if any of those group activities appeal to you or if you have other ideas for a sustainability-related ASHRAE Boston event.

Lance Brown

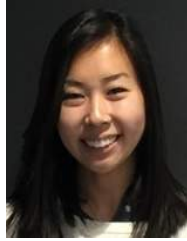
[lanceb@bvhis.com](mailto:lanceb@bvhis.com)

## Webmaster's Notes

*By: Alex Gilman*

Please make sure to add [admin@ashraeboston.org](mailto:admin@ashraeboston.org) to your "safe sender" list to prevent emails from going to your spam folder.

Please feel free to send comments and suggestions to [coo1web@ashrae.net](mailto:coo1web@ashrae.net)



## STUDENT ACTIVITIES

By: Yuka Narisako

I am enthused to begin my third year as the Student Activities Chair of the ASHRAE Boston Chapter. In August, I joined my fellow Student Activities Committee Chairs from other chapters in Jersey City at the Region I CRC, where learned some valuable advice from fellow Student Activities Committee Chairs. At the CRC, those Student Activities Chairs present formulated our goals for this fiscal year and submitted them for review.

Some of the forthcoming highlights to the Student Activities Committee for this upcoming year are the two Student Nights we will hold during our monthly meetings. These Student Nights will give recognition to the student members in attendance and will serve as a great networking opportunity. Additionally, we are looking into hosting our Student Members in an educational tour of a facility in Boston. Stay tuned!

This year, our annual ASHRAE Boston Chapter scholarships will be managed by the society, but the Boston Chapter BOG will still be ultimately responsible for the selection of our recipients. Scholarship information will follow in a later newsletter, so please stay tuned for any student enrolled in an engineering program that may be interested!

The Boston Chapter is incredibly fortunate to have a strong network of experienced, helpful members, as well as student branch advisors who are engaged in their student branches. I look forward to being a helpful resource to more student members, and student branch advisors. I look forward to seeing friendly faces at meetings and of course, the student members we will be bringing in to join our chapter! Please contact me at [co01sa@ashrae.net](mailto:co01sa@ashrae.net) with any questions!

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## EDITOR'S NOTE

By: *Sophia Scoon*

2018-2019 edition materials for the October newsletter is due by September 18, 2018.

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 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)

**CTTC**

By: Deanna Adkison

## ASHRAE Publishes Updated Legionellosis Standard

**Media Contact:**

Allen Haynes

404.446.1677

[ahaynes@duffey.com](mailto:ahaynes@duffey.com)

**ATLANTA (Aug. 13, 2018)** – ASHRAE has published a revised edition of its standard that provides a more comprehensive approach to preventing the growth and spread of *Legionella*. ANSI/ASHRAE Standard 188-2018, *Legionellosis: Risk Management for Building Water Systems* establishes minimum legionellosis risk management requirements for building water systems. The 2018 edition provides clarification of compliance requirements, as well as an update to enforceable, code-intended language to facilitate adoption of the standard for code and regulatory purposes.

The standard was originally developed to assist designers and building operators establish water management plans that include practices specific to the systems that exist in a particular building, campus or health care facility. It is intended for use by those involved in design, construction, installation, commissioning, operation, maintenance, and service of centralized building water systems and components.

“Standard 188 was the first industry standard in the U.S. to address Legionnaire’s disease prevention,” said Paul Lindahl, chair of the Standard 188 committee. “Since this standard centers on the development and implementation of good design, operations and maintenance procedures, it is important to make updates on a regular basis. The 2018 edition of the standard focuses on improved usability, offering better guidance to minimize the risk of this potentially fatal disease and save lives.”

The 2018 edition of Standard 188 provides:

- A description of environmental conditions that promote the growth of *Legionella*.
- Informative annexes and bibliography with suggestions, recommendations, and references to additional guidance.
- Minimum Legionellosis risk management requirements for buildings and associated potable and non-potable water systems.
- Requirements for Legionellosis control strategies and documentation.

The CDC estimates there are between 8,000 and 18,000 cases of Legionnaires’ disease in the United States each year – and more than 10 percent of these cases are fatal. *Legionella* can also cause a less-severe influenza-like illness known as Pontiac Fever. Most of those cases are the result of exposure to *Legionella* found in building water systems.

The cost of ASHRAE Standard 188-2018 is \$75 for ASHRAE members (\$88, non-members). To order, visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada), 404-636-8400 (worldwide) or fax 678-539-2129.

## SOCIETY NEWS

### Registration Opens for the 2019 ASHRAE Winter Conference

**Media Contact:**

Allen Haynes  
404.446.1677  
[ahaynes@duffey.com](mailto:ahaynes@duffey.com)

**ATLANTA (Sept. 4, 2018)** – ASHRAE is pleased to announce registration is open for its [2019 Winter Conference](#), to be held in Atlanta, Ga., Jan. 12–16, at the Omni Hotel Atlanta at CNN Center and the Georgia World Congress Center. Registration for the conference provides entry to the co-sponsored [AHR Expo](#), to be held Jan. 14–16 at the Georgia World Congress Center.

The ASHRAE Winter Conference features eight conference tracks, [tours](#), [social events](#), and a keynote speech from Grant Imahara, a former host of Discovery Channel’s MythBusters.

The conference presents the latest topics in the HVAC&R industry through a technical program featuring more than 100 sessions and 300 speakers.

“Technology, operational demands, codes, and design objectives are constantly changing. System designers, manufacturers, representatives, and contractors must continually adapt to a changing industry landscape,” says Corey Metzger, conference chair. “The 2019 ASHRAE Winter Conference will provide a valuable opportunity for the sharing of knowledge and information, and the technical program at the conference will provide a venue for a wide range of presentations and discussion.”

Program tracks include:

- Systems and Equipment
- HVAC&R Fundamentals and Applications
- Refrigeration
- Construction, Operation and Maintenance of High Performance Systems
- Common System Issues and Misapplications
- The Convergence of Comfort, Indoor Air Quality and Energy Efficiency
- Building Integrated Renewables and Natural Systems
- The Engineer’s Role in Architecture

[ASHRAE Learning Institute \(ALI\)](#) will offer five full-day and 15 half-day seminars taking place during the conference.

New ALI courses include:

- Advanced Designs for Net Zero Buildings
- Solar PV & Thermal System Analysis and Design
- Thermal Energy Storage Systems for Air Conditioning
- Choosing the Right Energy Code for your Project – IECC 2018 or ASHRAE 90.1-2016
- How Smart, Efficient, Sustainable Systems Lead to Improved Resilience

The AHR Expo hosts more than 2,100 exhibitors and attracts crowds of 60,000 industry professionals worldwide. ASHRAE Winter Conference registrants will have full access to the AHR Expo with a conference badge.

In addition, ASHRAE conducts some 600 meetings during the course of the conference, with some 100 specific technical topics in HVAC&R technology addressed. The meetings are open to the public. Take advantage of early bird registration savings through Oct. 28. For complete conference and expo information, visit the [2019 ASHRAE Winter Conference](#) and the [AHR Expo](#) websites.



**ANNUAL CORPORATE SPONSOR PROGRAM**

*Support the ASHRAE Boston Chapter by becoming a Sponsor and shining the spotlight on your organization!*

**EVENT BEVERAGE SPONSOR \$1500**

- Donation of \$300 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display and recognition on name badges at the sponsored event
- One (1) complimentary tickets to the Annual Sponsor Recognition Event

**SILVER LEVEL SPONSOR \$2000**

- Donation of \$1000 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year\*
- Full-page ad in the Boston Chapter Roster & Product Guide for one year\*
- Recognition on name badges at all events for one year\*
- One (1) complimentary tickets to the Annual Sponsor Recognition Event

\*ASHRAE Calendar Year – July 1 to June 30 of the following year

**GOLD LEVEL SPONSOR \$3000**

- Donation of \$1500 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year\*
- Full-page ad in the Boston Chapter Roster & Product Guide and half-page ad in the Boston Chapter newsletter – North-eastAire for one year\*
- Recognition on name badges at all events for one year\*
- Two (2) complimentary tickets to the Annual Sponsor Recognition Event
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Tournament

**PLATINUM LEVEL SPONSOR \$5000**

- Donation of \$2500 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year\*
- Full-page ad in the Boston Chapter Roster & Product Guide and the Boston Chapter newsletter – NortheastAire for one year\*
- Recognition on name badges at all events for one year\*
- Four (4) complimentary tickets to the Annual Sponsor Recognition Event
- Company name on event name badge lanyards for one year\*
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Tournament

\*ASHRAE Calendar Year – July 1 to June 30 of the following year

### COMMITMENT FORM

I would like to become a sponsor for the ASHRAE Boston Chapter!

#### SPONSORSHIP LEVEL

Please check one

- PLATINUM \$5000
- GOLD \$3000
- SILVER \$2000
- EVENT \$1500

#### PAYMENT METHODS

PayPal – <http://ashraeboston.org/oursponsors>

Check – please mail the completed form and check to:

Chris Pietrocarlo

[10 Guest St](#)

4<sup>th</sup> Floor

Boston, MA 02135

#### SPONSORSHIP CHECKLIST

Please submit the following when you register to become a sponsor

- Sponsorship Commitment Form completed
- Company ad in high-resolution ESP or JPG format to be place in the Roster & Product Guide and/or the NortheastAire.
- Company logo in high-resolution ESP or JPG format to be place on the pre-meeting presentation and/or the Boston Chapter homepage

Questions? Please contact any of the ASHRAE Boston Chapter Corporate Sponsorship Committee members.

Mark Leonard

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Bob Persechini

[rpersechini@nv5.com](mailto:rpersechini@nv5.com)

## TECHNICAL RESOURCES

In this month's issue, ASHRAE Fellows discuss pitfalls of systems. A technical feature explores five pitfalls commonly seen in the design and control of a DOAS, and ways to avoid them. The Engineer's Notebook column discusses pitfalls of single-fan dual-duct systems in humid climates.

### FEATURES AND COLUMNS FROM THE SEPTEMBER 2018 ISSUE:

[ACCESS THESE ARTICLES THROUGH THE ASHRAE TECHNOLOGY PORTAL](#)

#### Features:

- Common Pitfalls in Design and Operation of a DOAS
- Best Practices for Condensing Boilers
- Prioritizing Thermal Comfort For Homes

#### 2018 ASHRAE Technology Awards:

- Retrofit Breathes Life into Campus Landmark
- Historic Law School Stays Cutting Edge

#### Standing Columns:

- Building Sciences: De-Icing Ice Dams
- Data Centers: ASHRAE IT Power Trends, Part 2
- Engineer's Notebook: Pitfalls of Single-Fan Dual-Duct Systems in Humid Climates
- IEQ Applications: Traffic-Related Air Pollution and Urban Building Design
- Refrigeration Applications: Keep Standards Simple



[ACCESS ARTICLES THROUGH TECHNOLOGY PORTAL](#)

## TECHNICAL RESOURCES



Bookstore



Technical Committees

## 2018-2019 Meeting Schedule

Date	Main Meeting/ Tech Session	Speaker	PDH Credits	Location/ Special Night
<b>September</b> Tuesday, 11 2018	<b>Main Event:</b> MIT NANO	Facility Manager Ron Ryan	N/A	50 Vassar street Cambridge, MA, 02139
<b>October</b> Thursday October 09, 2018	<b>Main Event:</b> How not to design a steam system  <b>Technical Session:</b> Fundamentals of Steam Utilization	Joe Sterling  Andrew Berthe	TBD  TBD	Metro Meeting Centers 101 Federal St. Boston  Membership and Promotion/ YEA / Student Activity Night
<b>November</b> Tuesday November 13, 2018	ASHRAE Standard 62.1 Ventilation for Acceptable Air Quality  <b>Tech Session:</b> None	TBD  N/A	TBD  N/a	Embassy Suites 550 Winter St. Waltham  Research and Promotion
<b>December</b> Tuesday December 11, 2018	TBD  <b>Tech Session:</b> TBD	TBD  TBD	TBD  TBD	Metro Meeting Centers 101 Federal St. Boston  WIA
<b>January</b> Tuesday January 08, 2019	TBD  <b>Tech Session:</b> TBD	TBD  TBD	TBD  TBD	Embassy Suites 550 Winter St. Waltham  Past President/ History & Hall of Fame Induction
<b>February</b> Tuesday February 12, 2019	TBD  <b>Tech Session:</b> TBD	TBD  TBD	TBD  TBD	Metro Meeting Centers 101 Federal St. Boston  Membership Promotion/YEA/Student Activity Night
<b>March</b> Tuesday March 12, 2019	TBD  <b>Tech Session:</b> TBD	TBD  TBD	TBD  TBD	Embassy Suites 550 Winter St. Waltham
<b>April</b> Thursday April 09, 2019	WBG Tour  TBD	David Price  TBD	  TBD	
<b>May</b> May XX, 2019	Installation of Officers	TBD	TBD	TBD
<b>June</b> Monday June 4, 2019	Golf Outing	TBD	N/A	Granite Links 100 Quarry Hill Dr. Quincy, MA 02169  Research Promotion

**OFFICERS**

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**BOARD OF GOVERNORS**

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