

Special points of interest:

- YEA Event
Thursday
December 5th
- Monthly Meeting
December 10th
with ASPE Boston
Chapter
- 2020 Corporate
Sponsorship
Opportunities
- NEW: ASHRAE
Pet of the Month!
- Calendar Updates



December Meeting Info

What?	Joint Meeting with ASPE Understanding Condensing Water Heaters & Boilers, and How to Vent Them
When?	Tuesday December 10th
Where?	The Lantana 43 Scanlon Dr. Randolph, MA
How?	CLICK HERE To Register
Details	More info on page 2

Young Engineers in ASHRAE Event

PLEASE JOIN US

TECHNICAL TOUR - CITIZEN M HOTEL

BOSTONYEA 857-260-9397

THURSDAY, DECEMBER 5 AT 5:30 PM

CITIZEN M HOTEL 70 CAUSEWAY ST BOSTON, MA 02114

Join the Young Engineers in ASHRAE (YEA) group as they tour the Citizen M Hotel (next to North Station) this Thursday, December 5th. The group will meet in the hotel bar between 5:00 pm and 5:30 pm and will be led on a tour by the facilities project manager. The hotel features a chilled beam system. All are invited to stay after the tour for drinks and networking in the hotel bar.



December Meeting - Tuesday December 10th Joint Meeting with ASPE Boston Chapter

Agenda 5:00—6:00 Cocktail / Social / Tech Session (PDH TBD)
6:00—7:00 Dinner
7:00—8:00 Main Presentation (PDH TBD)

Main Session: **Understanding Condenser Water Heaters & Boilers and How to Vent Them**

Presenter: **Steven Moruzzi** is a National Training Manager with over 36 years of technical experience. Steven started at Laars Heating Systems Company in 2008 as the Northeast Service Manager. One year later his territory increased to cover the Northeast and Mid-Atlantic regions.

In November 2015 he was promoted to National Training Manager. His current position provides technical trainings on installations, troubleshooting, service, startups, and maintenance for gas fired boilers and water heaters.

Tech Session: **Mechanical Insulation**

Presenters: **Joe Gallagher & Don Follet** Joe Gallagher has worked in the HVAC industry in a variety of capacities for over 50 years. He has worked as a mechanical engineer, a project manager and in the field as an insulator working on projects such as the Seabrook Nuclear Power Plant. While Joe is currently retired, he has remained very active in the union and other civic organizations. He has served as Commissioner on the Manchester NH Board of Parks & Recreation for the past 5 years. He presently accepts contract work doing energy audits.

Notes To RSVP [CLICK HERE](#)
Member Cost: \$50
Non-Member Cost: \$60
Walk-In Cost: \$60

Location The Lantana
43 Scanlon Drive
Randolph, MA 02368

Parking Free in lot

Food Menu Italian Minestrone Soup
Chicken Nicole
Carrot Cake

UPGRADE YOUR MEMBERSHIP!

Advancement in membership is as easy as a click of a button. Student members that will be graduating this year can update their membership to associate membership using the SmartStart program.

SmartStart is a 3 year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly. Student members who are graduating soon or have recently graduated should complete the SmartStart form to participate. Associate members that have been in the industry for 12 years can now upgrade to full membership.

<https://www.ashrae.org/membership/my-ashrae/upgrade-my-membership>

November Meeting Recap

It was a packed house on November 20th at our monthly chapter meeting held at Metro Meeting Centers-Boston. Chair of the Corporate Sponsorship Committee, Bob Persechini, recognized our Chapter's 2019 Corporate Sponsors for their generous and continued support and presented plaques to: JS Fleming Associates (GOLD), NV5 (GOLD), Victaulic (GOLD), Air Distribution Corp. (SILVER), BR+A (SILVER), HTS (SILVER), Trane (SILVER) and Trumbull Campbell Associates (SILVER).

Both our Tech Session and Main Presentation were very well attended. Chris Wilkins presented on Trends in Internal Heat Gains for the Tech Session, and Chuck Cyr and Mark Ehrenzeller presented Design Trends in Cogeneration for the Main Presentation.

And let's give a shout out to President Mark Leonard, Vice President Will Cunningham, Corporate Sponsorship Chair Bob Persechini and Historian Eric Edman for running a really great meeting.

Liz Desmarais
c001web@ashrae.net



Above: Main Presenters Chuck Cyr and Mark Ehrenzeller with President Mark Leonard

Below: Vice President Will Cunningham introduces Tech Session Presenter Chris Wilkins



Above: Representatives from our 2019 Corporate Sponsors received recognition for their generous and continued support.



Presidential Award of Excellence

Boston Chapter - 2019-2020

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Operations Points	Chapter Technology Transfer Points	Government Affairs Points	Electronic Communications Points	YEA Points
<u>1067</u>	<u>535</u>	<u>450</u>	<u>560</u>	<u>160</u>	<u>130</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>400</u>

Student Activities

By: Yuka Narisako

We are delighted to announce that the applications are live for the annual Cheryl Rossini Future Engineers Scholarship on our website! Please visit the [ASHRAE Boston Chapter](#) website for application, eligibility, and deadline information! You can also visit the [society scholarship page](#) for the same information, as well as other scholarships awarded by other branches of ASHRAE.

Student Branch Advisors can expect to receive their student branch checks in the upcoming weeks.

Please contact me at c001sa@ashrae.net with any additional questions!

Yuka Narisako



Yuka Narisako
Student Activities
Chair

Government Affairs

Are you ready for the upcoming pump regulations?

In 2016 the US Department of Energy (DOE) issued the first-ever Energy Conservation Standard for some Clean Water Pumps. Keep up to speed with the impact of these standards. Hydraulic Institute has provided a free one hour on-demand webinar covering the purpose of the rule, what the rule means, the scope of the rule, definitions, introduction to the test procedures and performance metrics, labeling requirements, certification reports, and the compliance timeline. All manufacturers and purchasers of clean water pumps should attend this session.

View Hydraulic Institute's FREE informational webinars on the [U.S. DOE Energy Conservation Standard and Test Procedure for Clean Water Pumps](#) Or visit Hydraulic Institute's [Regulatory Summary for Pumps](#).

Will Fisher
c001gac@ashrae.net

Introducing ASHRAE Boston's PET OF THE MONTH!

Meet the first ever NorthEastAire pet of the month,

Hazel!

Hazel is a one and a half year old rescue from the Southern United States. She's a mix of German Shepard, Terrier, and human eyebrows! Her full name is Hazel Nut Black. Her two favorite things in the world are eating carrots and helping her owner select rooftop units! Such a great little helper!

Her human is David Black who works at NV5.

Nominate your pet for pet of the month by emailing a picture and small bio to northeastaire@gmail.com!



IT'S BIG, IT'S BACK, IT'S GOING TO BE BETTER THAN EVER!

Product Show 2020

Amy Gebhardt

The Product & Energy Show 2020: Tuesday April 14, 2020

The officers and Board of Directors of the Boston ASHRAE Chapter are pleased to extend an invitation to you and your organization to participate and/or exhibit at the Biennial Product Show which will be held at The Lantana in Randolph, MA on Tuesday April 14, 2020.

This show has always been well attended in the past, not only by the general ASHRAE membership, but also by others who work in this field, including Facility Engineers, Hospital Engineers, Building Owners, and Mechanical Contractors. The local Product & Energy Show targets a specific audience where you can talk to the customers who matter to you. Admission is free to all attendees.

Below are the specific details of the Product & Energy Show. Further details and how to register will be announced in the January 2020 NorthEastAire Newsletter.

DATE	TUESDAY APRIL 14, 2020; 3:00 pm to 8:30 pm Seminars—schedule coming soon Product Show 3:00 pm to 8:30 pm Dinner 6:30 pm to 8:00 pm
LOCATION	The Lantana 43 Scanlon Drive Randolph, MA 02368
EXHIBITOR REGISTRATON	Prices for single, double, triple booths, and trailer spots are \$1,000 per booth and spot Reservations will be on a first come, first served basis Registration forms will be emailed to vendors in January If you have not exhibited at our show before, but would like to this year, please contact the show chairpersons to be placed on our permanent mailing list.
BOOTHS	Single—8 feet wide x 6 feet deep Double—16 feet wide x 6 feet deep Triple—24 feet wide x 6 feet deep <ul style="list-style-type: none"> • Draped booths will be set up prior to your arrival • Tables will be available upon your advanced request • Electricity is available upon your advanced request (no heavy electrical loads permitted) • Water and drains are not available • Internet connections are available
FOOD	A complimentary buffet dinner will be available to all attendees and exhibitors of the show
SEMINARS	ASHRAE has reserved the facility for the entire day. Rooms are available for seminars. Please contact ASHRAE if you are interested in providing a special seminar. An outline of the seminar will need to be submitted prior to approval. The seminars shall be educational and not commercial in nature.

Thank you for your interest in the Boston ASHRAE Chapter Product Show.

Sincerely,

Product Show Committee

Chair: Amy Gebhardt, (857) 259-2517, c001bog1@ashrae.net

Co-Chair: Eric Edman, (617) 925-8325, c001his@ashrae.net

Schedule of Events

<https://www.linkedin.com/groups/5053857/>

Join and check the ASHRAE Boston Chapter LinkedIn page for the most up to date information!

Date & Time	Event	Location	Details
December 4, 2019	AEENE Monthly Meeting	Embassy Suites Waltham	Energy Audits : The How & Why 5:30 pm to 8:30 pm
December 5, 2019	ASHRAE YEA Meeting	Citizen M Hotel Boston, MA	Tour of Hotel Facilities and Networking Beginning at 5:30 pm Register Here
December 10, 2019	December Meeting	The Lantana Randolph, MA	Meeting with ASPE: Understanding Condenser Water Boilers
January 14, 2020	January Meeting	Embassy Suites Waltham	TBD
January 20—24, 2020	AEENE Certified Energy Manager Training	Siemens 150 Royall Street Canton, MA	Certified Energy Manager Training 8:00 am to 5:00 pm Monday through Friday
February 3, 2020	Winter Conference Half Day Course	Convention Center Orlando, FL	Designing and Operating High- Performing Healthcare HVAC Systems
February 11, 2020	February Meeting	Metro Meeting Center Boston	Lessons Learned by Steve Tafone Membership Promotion & Student Activity Night
March 4, 2020	March Meeting	Embassy Suites 550 Winter St. Waltham	How and Why Customers Buy Energy Efficiency—with AEENE
April 14, 2020	ASHRAE Product Show	The Lantana Randolph, MA	ASHRAE Boston Chapter Biennial Product Show
April 27, 2020— May 1, 2020	HVAC Design Training Levels I and II	Hartford, CT	ASHRAE HVAC Design Training: Levels I and II Register and Learn More Here

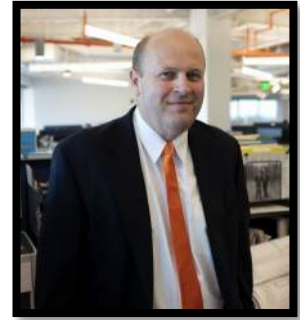


[Sign up here!](#)

Boston Monthly Meetings	ASHRAE Courses— Complete List
Boston Chapter Special Events	YEA Events
WiA Events	Other Societies Events

Historical News

By: Eric Edman - BR+A



Eric Edman
Historian

Your Historical Team would like to extend our best wishes to you for a happy holiday season and a prosperous 2020—yes, the roaring twenties are coming back soon!

It is weird to think 20 years ago we were all worried about the Y2K event. Because of computer date coding, the world was going to go from 1999 to 1900. All the worlds computers were going to crash, economies were poised to tank, and money was going to be needed in cash form. A short note from someone named Alan Greenspan is attached for your enjoyment.

“I’m one of the culprits who created this problem. I used to write those programs back in the 1960s and 1970s, and was proud of the fact that I was able to squeeze a few elements of space out of my program by not having to put a 19 before the year. Back then, it was very important. We used to spend a lot of time running through various mathematical exercises before we started to write our programs so that they could be very clearly delimited with respect to space and the use of capacity. It never entered our minds that those programs would have lasted for more than a few years. As a consequence, they are very poorly documented. If I were to go back and look at some of the programs I wrote 30 years ago, I would have one terribly difficult time working my way through step-by-step.”

— [Alan Greenspan](#) , 1998

Thank you,
Eric Edman
c001his@ashrae.net

In response to the picture in the November newsletter, the HVAC condenser unit aluminum fins corroded away in the coastal salt air, The local copper salvaging squad took the remaining copper tubes. I learned the truth behind all this from a neighbor who watched this happen over a few years.



I did want to share with you another one of those colorful pictures on how we fix stuff in this industry. At least they did not cover it up inside some homemade insulated box. Is this hot on the left-cold on the right?



Corporate Sponsorships for 2020

Corporate sponsorships for 2020 are now open and can be purchased through January 31, 2020. Please refer to the following page outlining our sponsorship levels. As you will see there are limits on the quantity of sponsorships. The January Newsletter will update the number and level of each sponsorship still available. Returning sponsors will have priority over new sponsorships, so don't delay! We look forward to your attendance and consideration of being a corporate sponsor! For up to date availability for sponsorship opportunities please email me using the address below.

On behalf of the Boston Chapter, thank you!

Bob Persechini

c001ha@ashrae.net



THANK YOU to our 2019 corporate sponsors!



AIR DISTRIBUTION CORPORATION
Manufacturers' Representatives & Distributors



TRANE

SPONSORSHIP OPPORTUNITIES 2020 (January 1—December 31, 2020)

PLATINUM SPONSOR - \$5000 (max. available: 1)

- Donation of **\$3000** in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- **Verbal Acknowledgement as Platinum sponsor at all monthly chapter meetings**
- Complimentary full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Platinum sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement as Platinum sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- **Two (2) Monthly Job Posting Packages (newsletter, website, social media and Society job board)**
- **Two (2) Reserved foursomes at annual ASHRAE Boston Chapter Golf Outing***
 *Cost of foursomes is not included and you must pay for foursomes within 1 week of open registration
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- **2nd complimentary hole sponsor sign - on a "contest" hole - at the annual ASHRAE Boston Chapter Golf Outing**
- **Four (4) complimentary tickets to the Sponsor Appreciation Night**

GOLD SPONSOR - \$3000 (max. available: 5)

- Donation of **\$2000** in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- Complimentary full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Gold sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement as Gold sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- **One (1) Monthly Job Posting Packages (newsletter, website, social media and Society job board)**
- **One (1) Reserved foursome at annual ASHRAE Boston Chapter Golf Outing***
 *Cost of foursome is not included and you must pay for foursome within 1 week of open registration
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- **Two (2) complimentary tickets to the Sponsor Appreciation Night**

SILVER SPONSOR - \$2000 (max. available: 10)

- Donation of **\$1000** in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- Complimentary full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Silver sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement as Silver sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- **One (1) complimentary ticket to the Sponsor Appreciation Night**

COMPANY NAME			SPONSORSHIP LEVEL Please check one <input type="checkbox"/> PLATINUM \$5000 <input type="checkbox"/> GOLD \$3000 <input type="checkbox"/> SILVER \$2000
CONTACT NAME			
CONTACT E-MAIL			
COMPANY MAILING ADDRESS			
CITY	STATE	ZIP	

PAYMENT METHODS

- PayPal – link will be made available
- Check – please mail the completed form and check to:
 BR+A Consulting Engineers 10 Guest Street, 4th Floor Boston, MA 02135, ATTN: Chris Pietrocario

SPONSORSHIP CHECKLIST—Please email the following to c001web@ashrae.net when you register to become a sponsor

- Above information
- Company ad in high-resolution ESP or JPG format to be place in the Roster & Product Guide
- Company logo in high-resolution ESP or JPG format for signage, newsletter and website

Research Promotion Update

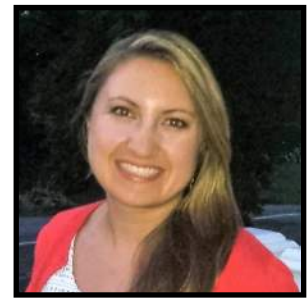


Dear ASHRAE Members,

As always, thank you for all your ongoing support of ASHRAE research.

I would like to thank the individual members who have donated so far this year:

Eric M. Edman, Gregory W. Shenstone, PE, Allan E. Ames, Robert J. Persechini, Robert G. Andrews Jr, James E. Armstrong, John A. Iacopucci, Jeffrey Zajac, Majid Seghatoleslami, Lance Brown, Nick Roth, William K. Tang, David H. Blum, Deanna Adkison, Liz Desmarais, Amy N. Gebhardt, Chris Pietrocarlo, William Cunningham, Daniel P. Diorio, and Alexander Gilman.



Deanna Adkison
Research Promotion Chair

With your help, we are making progress towards our goal. We currently have \$3,500 saved towards our goal of \$27,300.

We are hoping to reach 30% of our goal by the end of December and are still in need of an additional \$4,690. Please donate today to help our chapter reach this!

You can help us reach our goals by donating online at www.ashrae.org/donate. Let me know if you are interested in donating in another way other than online. We can always accept donations at upcoming meetings as well.

Please contact me with any other questions you may have or if you would like to be directed to additional resources.

Thank you!
Deanna Adkison
2019-2020 Research Promotion Chair
C001rp@ashrae.net



Shaping Tomorrow's
Built Environment Today

What Are Research Promotion Dollars Funding Right Now?

A list of some of the active research projects currently being funded by ASHRAE

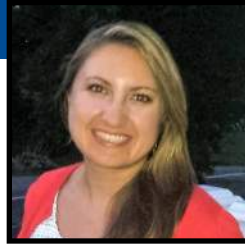
- Developing a Test Method to Determine the Effectiveness of UVC Systems on Commercial Cooking Effluent
- Impact of Gaseous Contamination and High Humidity on the Reliable Operation of Information Technology Equipment in Data Centers
- IAQ and Energy Implications of High Efficiency Filters in Residential Buildings
- Thermal, Moisture and Air Transport Property Values for New Building and Insulating Materials
- Evaluation of Climate Reanalysis Data for use in ASHRAE Applications

Find completed ASHRAE research promotion project reports in the online portal [here!](#)

BOSTON CHAPTER OFFICERS



President
Mark Leonard
BR+A
c001@ashrae.net



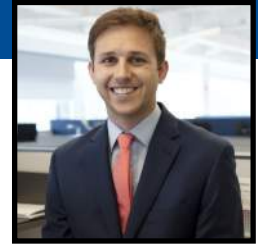
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