

## Special points of interest:

- February Meeting Information—Page 2
- Diversity Member Highlight—Page 5
- History Special Feature—Pages 8-9

## FEBRUARY MEETING

- When:** February 9, 2021  
5:30 —7:45 pm
- Where:** [GoToMeeting](#) ← Sign up link here!
- Details:** Tech Session (5:30—6:30)  
Presenter: Eric Edman  
Topic: Chapter History
- Main Meeting (6:45—7:45) **1.0 PDH**  
Presenter: Steve Tafone  
Topic: HVAC Controls Fundamentals

## GOVERNMENT AFFAIRS

- **Massachusetts Climate and Emissions Reduction Bill** was refiled by legislators after Governor Charlie Baker vetoed it earlier in January 2021, they intend to override any veto that may occur. [State Legislature Files Climate Bill, Again | Earthwhile \(wbur.org\)](#)
- **State Climate Policy Network January Call**
  - Wednesday February 24, 3:00 pm ET
  - [Register here](#)
  - Want to learn how climate policy campaigns are developing in states across the country — from Rhode Island to Minnesota to Nebraska to Oregon? Have an exciting climate policy update or development to share with a network of like-minded individuals? Join Climate XChange for its monthly State Climate Policy Network national call! This one-hour, once-a-month call is the perfect opportunity to learn about different legislation and movements going on in states across the US. Legislators, advocates, and experts will join to discuss activities in their states and how you might get involved.



Will Fisher  
Government Affairs  
c001gac@ashrae.net



## February Meeting - Tuesday February 9th, 2020

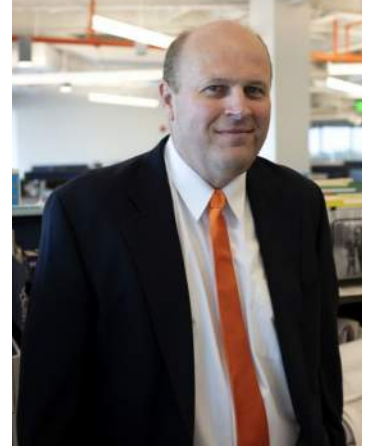
- Location** GoToMeeting Virtual Webinar—Registration Link [Here](#)
- Time** 5:30—7:45 pm
- 5:30—6:30 pm Tech Session
  - 6:30—6:45 pm Break / Intermission / Main Meeting Run-Over-Time
  - 6:45—7:45 pm Main Meeting **1.0 PDH**

**Tech Session Presentation:** Chapter History

**Presenter Bio:** Eric Edman is a Senior Associate in HVAC at BR+A Consulting Engineers in Boston, MA. Eric has been with BR+A since 1992 and currently works with Boston Children’s Hospital on a wide variety of complex renovations and new buildings on the 2 million square foot Boston Campus. Prior to college, Eric worked with his father on residential projects as a GC, and as a sheet metal apprentice thru college. Upon Graduating from Blue Hills with honors in 1984, Eric starting his engineering career for MEA Engineering on a wide variety of small projects designing HVAC- as well as Plumbing/Fire and Electrical systems. In 1992, Eric started at BR+A, and has grown into a variety of special roles within the company and maintaining an active role within ASHRAE.

Eric, who is currently serving as the Chapter Historian for a third season, joined ASHRAE in September 1982 as a student, and began serving as Attendance Chair in 1986. Eric began new roles and eventually became the chapter President in 1997- and has risen to become outstanding member of the year- three times. Eric, and his wife Courtney, have three children, and reside in Framingham, MA where he is active in the community and school activities.

**Presentation Overview:** Eric will review the Boston ASHRAE Chapter history. He will look back at our chapter roots.



Eric Edman  
BR+A

**Main Meeting Presentation :** HVAC Control Fundamentals

**1.0 PDH Presenter Bio:** Mr. Tafone has over 40 years of experience in the HVAC and construction fields. He is presently employed at Suffolk Construction Inc., a construction management firm, as Vice President of Engineering. He is a past president of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) Boston’s Chapter. Additionally, he has been teaching various technical courses for over 15 years. Mr. Tafone is a Registered Professional Engineer in MA & NY, has a CFC Universal Certification, LEED AP and holds a MA licenses as a Refrigeration Technician. He received his BSME from Pratt Institute.

**Presentation Overview:** The purpose of the course is to provide a basic understanding of HVAC controls and typical issues. It will start out with an example of a pneumatic control system. We will then be discussing the various DDC control components such as sensors, controllers and actuators. The course will also discuss transducers and their typical outputs. Finally we will walk through a typical control sequence and review a typical control drawing.



Steve Tafone, PE  
Suffolk Construction

**Notes** To RSVP [CLICK HERE](#)  
Meeting is free to all attendees

## President's Message

Hi Everyone,

Thank you all who attended our January meeting for "ASHRAE Standard 170 and Atomizing Humidification Systems" and "Ensuring Proper Water Quality for Humidification Systems". As always, we enjoyed seeing familiar names on the attendee list and appreciated all the questions and participation.

We also held our first YEA event which was a lunch presentation covering Psychrometric Fundamentals and Full Load Sizing. The presentation was well attended and was valuable for both young engineers new to the field and was a good refresher to veterans. Please send recommendations for future topics you would like covered to our YEA chair, Gage Foley [c001YEA@ashrae.net](mailto:c001YEA@ashrae.net). ASHRAE and YEA is happy to continue hosting these fundamentals style presentations for any topics that are requested. These lunchtime training presentations are a great way to hold lunch and learns with ASHRAE and we would like to continue with them as long as they are well received. Stay tuned for upcoming events.

I would also like to thank all of our 2021 sponsors that stepped up to the plate this year, some new and some continuing with their support: Lennox Commercial & VRF, BR+A, Fitzemeyer & Tocci, JS Fleming, NV5, RST Thermal, Trumbull Campbell, Victaulic, ADC, Apollo Valves, Atlantic Air Products, Buckley, Buro Happold, DAC, EM Duggan, Emerson Swan, HTS, RT Forbes, RW Sullivan, Sentrol, Siemens, SJ Ginns, and Trane!

If you are interested in volunteering with the Boston chapter, please get in touch with me and we will have you join our next Board of Governors meeting to see how you can get involved.

Please email me at [c001@ashrae.net](mailto:c001@ashrae.net) or contact any of the volunteers with questions, concerns, or suggestions to help improve our chapter.

With gratitude,



Deanna Adkison  
ASHRAE Boston Chapter President



Deanna Adkison  
(Fitzemeyer & Tocci)  
Boston Chapter President

### New Member Welcome!

On behalf of everyone at Boston ASHRAE, please help us in welcoming the newest members of our Chapter!

- Daniel Bronshvayg
- Kevin Broadbent
- Phanna Me
- Andre Robitaille
- Jarrett Kuegler
- Christian Kousidis

We are always looking for new members to grow our community. If any current members of the Boston ASHRAE chapter are looking to get more involved with the operations of the chapter, the BOG, or just looking to lend a helping hand, we are always looking for volunteers. Please reach out to Lucas Rowe (Membership Promotion Chair at [mem01@ashrae.net](mailto:mem01@ashrae.net)) for any info on how you can get involved with Boston ASHRAE!

Thank you,  
Lucas

## Presidential Award of Excellence



### Boston Chapter - 2020-2021

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	Chapter Technology Transfer	Government Affairs	Electronic Communications	YEA Points
<u>1000</u>	<u>800</u>	<u>650</u>	<u>690</u>	<u>230</u>	<u>200</u>		<u>150</u>	<u>580</u>	<u>875</u>

# WELCOME AND THANK YOU TO OUR 2021 CORPORATE SPONSORS!

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Thank you to all our 2021 Sponsors! We had a very successful campaign this year and doubled our sponsorships. Your commitment to the chapter provides benefits to your companies and helps the chapter bring quality programs to our members. We appreciate your continued support.

Bob Persechini

## ASHRAE Boston Diversity Highlight

Starting back in December, ASHRAE Boston began highlighting some of our minority members to learn more about them and hear a bit about their experience in the HVAC industry. This month we hear from Vineet Nair, our Boston Chapter Secretary and next years President Elect! Please reach out to Erica Norquist and Amy Gebhardt at [c001dia@ashrae.net](mailto:c001dia@ashrae.net) if you have a diverse perspective of our industry! Whether it be your ethnicity, religion, sexual orientation, gender identity, first language, or any other identifier, we would love to hear about your experience in the industry.

Amy Gebhardt and Erica Norquist  
[c001dia@ashrae.net](mailto:c001dia@ashrae.net)

We are continuing this spotlight with the same questions we asked last month:

### Vineet Nair

#### **Q: Why or how did you get into the industry?**

**A:** ASHRAE has single handedly been the driving factor for why I am currently working in the HVAC industry. Working with ASHRAE since 2012 has kept me involved in the field of HVAC by having access to Journals and Industry Speakers at tech sessions. I had taken up Mechanical Engineering back in school with an aim to work on sustainable technologies and believed this would-be big picture stuff working directly with solar or wind energy. It was not until a weekend I spent with ASHRAE Central NY chapter back in 2017 that I realized that I would be able to make a significant difference even as an HVAC professional. As part of the chapter's Smart Start initiative, I was able to attend a two-day workshop on basic HVAC design and load calculations, while also touring Carrier's facility in Syracuse. This was very crucial is me being able to market myself when I graduated.



#### **Q: What opportunities has being involved in ASHRAE provided?**

**A:** Being involved with ASHRAE has provided me with all the tools required to network within the industry and has been a focal point to gain knowledge from subject matter experts. From early on in my school days, ASHRAE helped with my organizing and planning skills by having to prepare for various events planned throughout the course of the year. I have also been fortunate enough to be a part of both the Leadership weekend and the LeadRS initiative which have improved my understanding about the inner workings of the organization and helped form crucial professional relationships locally and nationally that has provided me with a broader knowledge base compared to other engineers that I work with.

#### **Q: What is your insight or something you would like to share about being a minority in the AEC Industry?**

**A:** Coming from India, I never really knew what racism was until I came to this country, although we have various other kinds of prejudice. It was with one of my earlier employers where I would finish all my tasks well, and they would be very happy with everything I did, but never received appreciation like the others did. This dawned upon me when I was the only one to be excluded from a yearly bonus. It defined the issue for me as a real thing, but fortunately for me that was an isolated circumstance, and I have been able to move on to better things since. At the end of the day, the only way I know to get around this is to have mentors willing to guide you and for you to prove that you are ready to put in the hard work. Mostly people do not even know they are doing it, I do not think there is that much malice in it within the industry; I think it is very much a residue of being unaware.

## Honors and Awards

Many of our members within the chapter qualify for awards on the Chapter, Regional and Society levels. ASHRAE awards fall into one of six categories: Personal Honors, Personal Awards for General Society Activities, Personal Awards for Specific Society Activities, Paper Awards, Society Awards to Groups or Chapters, Chapter and Regional Awards. Use this [link](#) to see additional information regarding specific awards in category! Any questions please reach out to me.

Thank You,

Bob Persechini

[c001ha@ashrae.net](mailto:c001ha@ashrae.net)

# EVENTS CALENDAR

Date	Event	Location	Main Meeting	Tech Session
February 3, 2021	AEENE Meeting	<a href="#">Online</a>	Ask an Energy Expert! You'll hear from a Certified Energy Manager, Certified Energy Auditor, and Certified Energy Procurement Professional	
February 9, 2021	February Meeting	<a href="#">Online</a>	Steve Tafone—Controls Fundamentals	Eric Edman—Chapter History
February 9-11, 2021	ASHRAE Virtual Conference	<a href="#">Online</a>	The 2021 ASHRAE Virtual Conference by online format. Discussions, technical sessions, virtual tours, and more. Group rates are available, more info <a href="#">here</a> .	
March 9, 2021	March Meeting	Online	TBD	Stephen Lafaille—New Developments in Combined Heat and Power—PDH Pending
April 13, 2021	April Meeting	Online	Noise and Vibration in Industrial Settings, How to Mitigate It—Jag Rajaserkaran	
May 11, 2021	May Meeting	TBD	Installation of Officers	
<b>May 24, 2021</b>	Golf Outing	Granite Links	New date selected!	

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



[Boston ASHRAE Facebook](#)



[Boston ASHRAE Twitter](#)



[Boston ASHRAE LinkedIn](#)



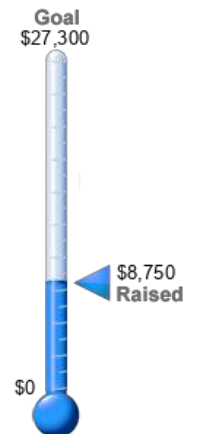
Boston Monthly Meetings	ASHRAE Courses— <a href="#">Complete List</a>
Boston Chapter Special Events	YEA Events
DiA Events	Other Societies Events

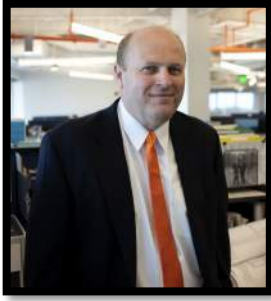
## Research Promotion

Dear ASHRAE Members,  
 Our research promotion goal for 2020-2021 is to raise \$27,300 for ASHRAE. We have raised \$8,750 so far this year. We are looking forward to adding the money raised from our corporate sponsors! You can start helping ASHRAE reach our goals by donating online at [www.ashrae.org/donate](http://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!

Will Cunningham  
 c001rp@ashrae.net





Eric Edman  
Historian

## History Special Feature

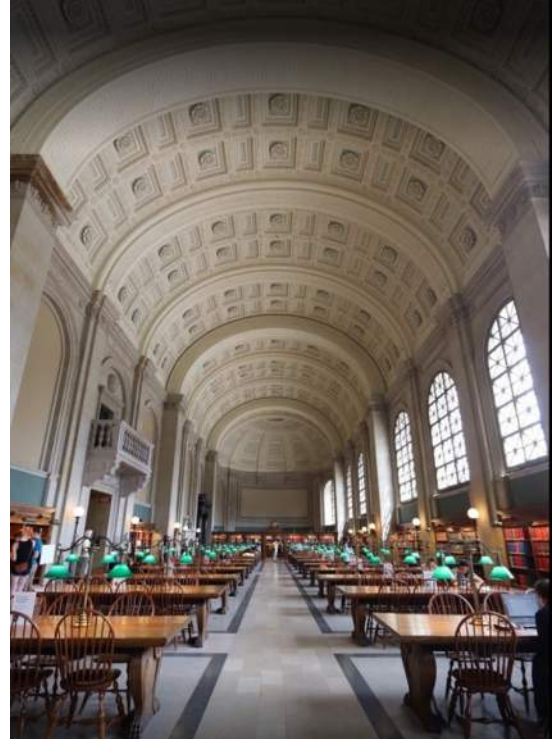
By: Eric Edman - BR+A

Greetings from your favorite chapter historian! One of my monthly goals is to keep reminding you that ASHRAE is 125 years old. Yes, that means we organized in 1895 and actually chartered in 1912. More about this at the meeting on February 9th.

1895 was a major year for HVAC. This year I have focused the chapter newsletter historical special feature on things that existed around Boston more than 125 years ago. This month I am highlighting something that was built in Boston in 1895. Do any of you recognize this picture?

My guess is, maybe not. It is the inside of the Boston Public Library. Long ago people would regularly travel on foot (and horseback) to go borrow books and read them. It may sound crazy, but in the modern day of the internet, public library use has actually grown! I think that is wonderful, and I for one support our city library. I still enjoy going to the library. Amazing, huh?

This month I am focusing on the oldest library which happens to be right here in our fair city. What drew me to this particular topic was my childhood fascination with this building. "Built for the people, by the people, for the common advancement of mankind" this very famous inscription is cast into the stones of the Boston Public Library. To me this building is an architectural gem located in Copley Square. As children, my grandmother would take us once a month into Boston on the old one eyed (One light) MBTA trains into Copley Square. We also went to enjoy a Brigham's ice cream in the summer months thanks to HVAC/R.



The photo below is one my grandmother loved. I think it reminded her of the old world. A postcard of the Boston Public Library still sits next to her picture at home. Thanks Oma, little did you know you shared a picture with everyone in Boston ASHRAE.

I wanted to tour the library with a focus to inquire about the heating systems. Alas, COVID-19 has made visiting the library impossible right now. I was still able to research the nation's oldest library online and found some stunning facts.

The Sturgis Library in Barnstable, MA may be the oldest. Many visit each year, and members of the staff are continually answering the question: "Is this really the oldest library in the United States?" The answer isn't quite that simple. Constructed in

1644 for the Reverend John Lothrop, founder of Barnstable, the house which forms the original part of the Library is the oldest *building* housing a public library in the United States. The building is also one of the oldest houses remaining on Cape Cod. Since Reverend Lothrop used the front room of the house for public worship, another distinction of the Sturgis Library is that it is the oldest structure still standing in America where religious services were regularly held.

According to [History Magazine](#), "the oldest library in America began with a 400-book donation by a Massachusetts clergyman, John Harvard, to a new university that eventually honored him by adopting his name. Another clergyman, Thomas Bray from England, established the first free lending libraries in the American Colonies in the late 1600s. Subscription libraries - where member dues paid for book purchases and borrowing privileges were free - debuted in the 1700s. In 1731, Ben Franklin and others founded the first such library, the Library Company of Philadelphia. The initial collection of the Library of Congress was in ashes after the British burned it during the War of 1812. The library bought Thomas Jefferson's vast collection in 1815 and used that as a foundation to rebuild." It wasn't



until the masses of immigrants and the philosophy of free public education for children became so widespread, that public libraries spread throughout the US in the mid 1800's—we can thank John Adams for this.

The first truly public library in the country opened in Peterborough, New Hampshire, in 1833. Peterborough Town Library was the first *tax-supported free public library* not only in the United States, but the world. Originally housed in a store, the library moved to its final location in 1893, where it remains today. The principle upon which it was created continues to spread across the civilized globe. Amazing stuff!

The Franklin Public Library in Franklin, Massachusetts is America's first *lending library*. In 1778, when the town was incorporated, the original name Exeter was changed to Franklin in honor of Dr. Benjamin Franklin. When asked to donate a bell, Franklin responded with an offer of books for the town's residents, acknowledging that "sense" was preferable to "sound." The original Franklin collection is still housed in a special bookcase in the library.

The Boston Public Library holds a number of "first" distinctions. In addition to being the first *publicly supported free municipal library* in the world, it was the first library to establish space designated specifically for children. It also is the only public library in the country that also serves as a Presidential Library, since their holdings include the papers of John Adams. You may know of him as our second President and Braintree native. Braintree later split into Quincy and Braintree as we know it today.

Building a Library, or any building was no small feat and was cause for much celebration. We often carry on the celebration and tradition with a beam topping off ceremony or other ribbon cutting events. These events come to us from history. You can see all the dignitaries lined up in the photo above from 1895 which shows the mayor, our two state senators and our four state representatives as well as the project architect.

Another interesting tidbit is that much of the granite used to construct the Boston Public Library did not come from the famous Quincy Granite quarries; much of the granite from that quarry is now in DC. Much of the Boston Public Library is composed of what is called Pink Granite and it was milled from Milford, MA and transported by rail to Boston. The arches to the entry of the library are shown under construction in the photograph on following page. I always love these old photos of builders. No hard hats, no fall protection, OSHA would have a field day here. Of course we have all become educated (thanks to books) that building safely and building safety is just one of the essential elements of any modern project, big or small.

I believe a great deal of thanks goes to the designers, builders and visionaries who made it possible for me, as a kid, to be so interested in buildings—especially a library. My intrigue inspired me to become an engineer and help transform the Boston landscape with so many others.

I will give a lot of credit to John Adams, Thomas Jefferson, and Benjamin Franklin who had the wisdom to foresee how their actions would transform the future for all of us.

We hope you have enjoyed this short story of something of great significance to all of us. Until next month! We will read again!

Eric Edman

c001his@ashrae.net



Dignitaries pose in front of mock-up cornerstone for the McKim Building assembled at the Milford Quarry.



Arches for entrance to courtyard from Boylston Street entrance, construction of the McKim Building



# ASHRAE VIRTUAL WINTER CONFERENCE

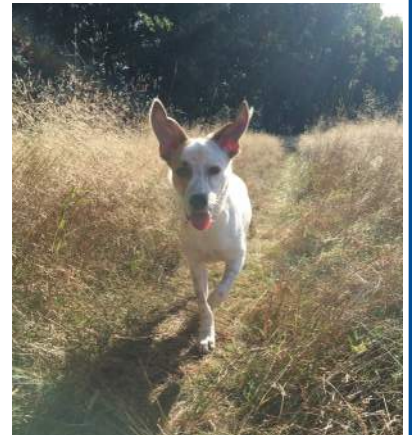
▶▶▶ February 9-11, 2021

The 2021 ASHRAE Virtual Winter Conference will take place in a convenient, online format February 9-11. Attendees can join live discussions with top experts, learn the latest updates relating to COVID-19, and have access to 90+ technical sessions for 18 months. Group rates are available, and members register for just \$249. The 2021 AHR Expo originally scheduled to be held January 25-27, 2021 at McCormick Place in Chicago has been cancelled.



## FEBRUARY PETS OF THE MONTH! FINLEY, MEL, & AUGIE!

Meet Finley and Mel! These girls are two peas in a pod! Finley (brown dog) was first, coming as a tiny nervous pup from Kentucky, all by herself.



We quickly realized that she needed a friend, which is where Mel (white dog) comes into the story! Mel traveled all the way from Puerto Rico, where she lived as a stray. She was very timid and frightened when she first joined our family, but quickly became inseparable with Finley, and is now a big source of laughs with her silly antics. With a bit of time, Mel's confidence grew and she learned how much fun being a dog could be! Now, these two can be found having a whole bunch of fun, and let's be honest, stirring up trouble, wherever they are! Some of their favorite places are the beach, hiking in the woods, or just being lazy on the couch!

Their world, and ours, changed for the better when their kitty brother came into the picture! Augie, 8 years old, joined the family last year and has brought many laughs with his quirky personality! We often joke that he's more dog than cat, as he loves belly rubs, water, and hanging with the dogs!

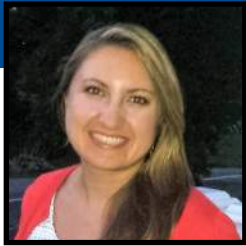
Finley, Mel, and Augie come to us from our YEA Chair Gage Foley and his girlfriend Emilee Herrick!

Nominate your pet by emailing a picture (or a few) and small bio to [northeastaire@gmail.com](mailto:northeastaire@gmail.com)!

(Please, I really want to meet your pets. Otherwise my Goldfish named Camel will be featured next month. Thank you, Allison Guttadauro)



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Fitzemeyer & Tocci  
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