



2017-2018 Officers



Mike Gilroy
President



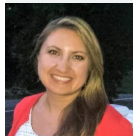
Dan Carington
President-Elect



Mark Leonard
Vice President



Christine Reinders
Secretary



Deanna Adkison
Treasurer

Table of Contents

President's Message	2
Editor's Note	2
September Meeting	3
Sustainability	4
Webmaster Notes	4
Employment Adds	4
Historical News	5
Upcoming Events	5
Government Affairs Update	6
Society News	7
Student Activities	8
Membership & Promotion	8
ASHRAE Learning Institute	9
Meeting Schedule	10
Officer & Committee List	11
ASHRAE Research	12

September Meeting

Tuesday, September 26, 2017

Main Meeting:

**Overview and Discussion of
VRF Technology**

**Membership Promotion & Research
Promotion Night**

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

Where:

Embassy Suites Hotel and Conference Center
550 Winter Street
Waltham, MA 02451

Meal:

First Course: Traditional Caesar Salad
Entree: Stuffed Breast of Chicken (with Vegetarian Options)
Dessert: Shortcake with Seasonal Fresh Berries and Whipped Sweet Cream

Time:

5:30 - 6:30 PM Networking
5:30 - 6:15 PM Technical Session:
Integrating VRF & DOAS
6:30 - 7:00 PM Social/Registration/Dinner
7:00 - 8:00PM Main Program

Cost:

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

Special thanks to our 2017-2018 Sponsors:

Platinum:

HTS New England **Gold:**

RST Thermal Victaulic

<u>Investor Recognition:</u>	<u>Mark Leonard</u>
<u>Jim Armstrong</u>	<u>Justin Mole</u>
<u>Lance Brown</u>	<u>Bob Persechini</u>
<u>Dan Carington</u>	<u>Christine Reinders-Caron</u>
<u>Eric Edman</u>	<u>Steve Tafone</u>
<u>James Generelli</u>	<u>William Tang</u>
<u>Mike Gilroy</u>	<u>Jeffrey Zajac</u>
<u>John Iacopucci</u>	

Golf Tournament



Please register online at www.ashraeboston.org.

RSVP by 12:00 PM on Sunday, September 24th.

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

Thank You



PRESIDENT’S MESSAGE

By: Mike Gilroy

Welcome back to another exciting year of ASHRAE!

First of all, I would like to commend William Tang, on his phenomenal leadership this past year as ASHRAE Boston President. During the past year, William and the Boston Chapter continued to grow in member size, held numerous Social and YEA events to promote networking, and put on a great lineup of technical programs. The Chapter owes him!

As Chapter President, I am excited to continue the momentum that William and past presidents have created. During our summer planning meeting, the officers and committee chairs discussed ways to streamline Chapter Operation, continue to develop our technical program, and continue to promote networking within the Chapter. As many of you know, ASHRAE requires a network of volunteers to function properly, from our Chapter level all the way to Society. Please see anyone of the officers or committee chairs if you are interested in volunteering, or at least learning more about volunteer opportunities. There is something for everyone!

I hope you are able to attend our first meeting on September 26, an Evening with VRF, where we will have a speaker on DOAS integration with VRF systems in our technical session. Our main presentation features a joint presentation on VRF systems and its current market outlook.

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

Our next meeting will be a tour of Boston University’s Center for Integrated Life Sciences & Engineering (BU CILSE) on October 17th, 2017.

We also have set our full calendar year schedule. Please be on the lookout for a Save the Date, or check our website for the current meeting schedule.

Presidential Award of Excellence								
Boston Chapter - 2017-2018								
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	775	410	0	100	680	0	0	1965



EDITOR’S NOTE

By: Deanna Adkison

Materials for the October newsletter are due by **September 30, 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

September Meeting Information

Main Section Title of presentation: Overview and Discussion of VRF Technology

Presentation Outline

Main Session:



Greg Hosselbarth has been working in the Northeast VRF market with Mitsubishi Electric for 7 years in various roles including mechanical engineering, application support, and commercial equipment sales. Greg currently works with architects, consulting engineers and building owners to educate, promote and apply VRF and split-zoning technology in commercial and residential applications. Greg is a Certified Energy Manager as well as a LEED® accredited professional. He began his career in product development of combined heat and power systems. Greg has earned a bachelor's degree in Mechanical Engineering from the University of Connecticut and an MBA from Boston University.



Jean-Samuel (JS) Rancourt is a Principal of DXS New England, an HTS company specializing exclusively in VRF technology. Originally from Canada, JS spent some time with HTS in different parts of Ontario and Texas before founding DXS Ontario in 2012, out of Toronto. After amassing 5 years of experience in cold climate VRF, JS moved to Boston last Fall to establish DXS New England. JS primarily works with consulting engineers and building owners, and supports the New England VRF team who also works with contractors and facility managers. JS has a bachelor's degree in Mechanical Engineering from the University of Waterloo, where he graduated as the engineering student of the year.

Technical Session:



Mike Woolsey began his career in the HVAC industry in 1985, while completing his BSME degree from Washington University in St. Louis. Specializing in applications, market management and business development, Mike has presented hundreds of seminars across North America and is currently serving as Business Development Manager in the Commercial Ventilation group of Swegon North America, a wholly owned subsidiary of Swegon AB, with 1500 employees and sales of over US\$500M worldwide.



Sustainability

By: Lance Brown

It's a new ASHRAE year and we have a great schedule of monthly meetings lined up. Several of them have a sustainability component, including next month's tour of BU's new lab building, the Center for Integrated Life Sciences & Engineering (CILSE).

A tour of the CILSE is a component of an afternoon/evening of tours being held in connection with the International Institute for Sustainable Laboratories (I²SL) annual conference. This is the first such conference to be held in New England since the founding of the New England I²SL chapter in 2013. As its name suggests, I²SL and its local affiliate promote sustainable design and operation of labs and other high-tech facilities worldwide.

The I²SL annual conference will be held October 15-18 at the Boston Marriott Copley Place. Registration is open through October 6. In addition to the paid conference, there is a Technology and Services Fair that is free to all with hours during each of the three weekdays. Refer to I2SL.org for details.



Webmaster's Notes

By: Kevin Doty

On August 19th, 2017, The Boston Chapter was recognized with the "Websitation of Excellence" award for the 2nd straight year at the Region I CRC in Long Island, NY. Thank you to everyone for your feedback throughout the past year. As always, comments and suggestions can be sent to c001web@ashrae.net.

Please make sure to add admin@ashraeboston.org to your "safe sender" list to prevent emails from going to your

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 October Newsletter: September 30, 2017

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



HISTORICAL NEWS

By: Eric Edman



In many ways, this was a very historical year. You may not have noticed, but, I sure did. There is actually a historical committee of more than just me, myself, and I.

I wanted to take a moment to really thank Reddy Tupakula from Andelman and Lelek and Thanh Huynh from Buro Happold for the efforts made to review and comment on historical items throughout this season.

Your historical committee set to work immediately in September and worked hard this season to surpass any record of previous PAOE points. We can not do this alone and thank those members out there who commented a little or a lot to help. It is really a true pleasure to be a volunteer at Boston ASHRAE.

If any of you have creative thoughts or suggestions on historical related items, please share these with us.

We always look forward to seeing you at our monthly meetings. Enjoy your summer.

As has become tradition, please find the past presidents' outgoing exit interview, which we hope helps the incoming group of future officers.

Eric

<h3>ASHRAE BOSTON UPCOMING EVENTS</h3>	<h3>BOSTON AREA UPCOMING EVENTS</h3>
<p>Visit https://ashraeboston30.wildapricot.org/resources/Documents/Save%20the%20Date%205.pdf for more information.</p>	<p>AFE Boston Chapter 33 www.afechapter33.org</p>
<p>ASHRAE BOSTON SEPTEMBER MEETING When: Tuesday, September 26, 2017 5:30 PM Where: Embassy Suites - 550 Winter Street, Waltham</p>	<p>IFMA Boston Chapter www.ifmaboston.org</p> <p>BOMA Boston Chapter http://www.gbreb.com/boma/</p>
<p>TOUR OF BOSTON UNIVERSITY'S CILSE BUILDING When: Thursday, October 19, 2017 5:30 PM Where: 610 Commonwealth Avenue, Boston, MA 02215</p>	<p>Sustainable Performance Institute http://www.sustainable-performance.org/</p>
<p>ASHRAE BOSTON NOVEMBER MEETING When: Tuesday, November 07, 2017 5:30 PM Where: Metro Meeting Center - 101 Federal Street, 4th Floor, Boston, MA 02110</p>	<p>AFE Chapter 74-Worcester Area-Central MA www.afe74.org</p> <p>USGBC Massachusetts Chapter www.usgbcma.org</p> <p>AEE New England Chapter www.aeenewengland.org/</p> <p>IBPSA Boston Chapter http://ibpsa-boston.com/</p>



ASHRAE Government Affairs Update

By: Christine Reinders

U.S. Government Affairs Federal Funding Update

Congress has a busy month in store. Congress needs to pass a spending bill (aka funding or appropriations bill) by September 30, the end of Fiscal Year 2017. In addition, emergency funding is needed to address the damage caused by Hurricane Harvey. One of the areas of key contention for federal appropriations is the \$1.6 billion in funding for the border wall. In addition, Congress needs to raise the debt ceiling by the end of the month in order for the U.S. to avoid default. The National Flood Insurance Program also expires on September 30 and needs to be extended. Other priorities for Congress include tackling tax reform, an infrastructure package, and repeal/replacement of the Affordable Care Act. Any of these priorities will be difficult to accomplish given the busy Congressional calendar.

U.S. Senate Subcommittee on Energy Holds Oversight Hearing: “Fostering Innovation: Contributions of the Department of Energy #39 National Laboratories”

On Tuesday, September 12, the U.S. Senate Committee on Energy and Natural Resources’ Subcommittee on Energy will hold an oversight hearing entitled, “Fostering Innovation: Contributions of the Department of Energy #39 National Laboratories. The hearing will be webcast live on the committee #39 website, and an archived video will be available shortly after the hearing concludes. Witness testimony will be available on the website at the start of the hearing.

Other Opportunities

ASHRAE Now Accepting WISE 2018 Applications
Deadline: December 31, 2017

Founded in 1980 through the collaborative efforts of several professional engineering societies, WISE has become one of the premier Washington internship programs. Its goal is to groom future leaders of the engineering profession who are aware of and can contribute to the important intersections of technology and public policy.

WISE stands for Washington Internship for Students of Engineering. ASHRAE has been a sponsor of the WISE program for three decades. The program enables future engineers to see firsthand the importance of engaged engineers and scientists in the legislative process. Over the course of nine weeks, the students research a relevant technology issue and assess potential policy responses.

From 12 to 15 outstanding engineering students entering their final year of undergraduate study are selected each year in a nation-wide competition to spend ten weeks in the summer in Washington, D.C. During the internship, they learn how government officials make decisions on complex

technological issues and how engineers can contribute to legislative and regulatory public policy decisions. The ASHRAE Washington Office hosts an outstanding engineering student every summer through this program. Application Deadline for the 2018 WISE Program: December 31, 2017. Learn more. ASHRAE Participates in Second Annual Energy Efficiency Day

Energy Efficiency Day is a collaborative effort of regional and national organizations that promote energy efficiency and is set for October 6, 2017. More than 175 government agencies, companies, utilities, cities, and other organizations were official supporters in 2016. This year efforts are being amplified with a website, a Facebook account, more official declarations, and a challenge to save energy in homes and businesses.

Here are four ways ASHRAE Chapters and members can spread the word about the benefits of energy efficiency.

1. Visit the website and sign up. Individuals or organizations may participate. More information will be provided as EE Day gets closer.
2. Take the Lightbulb Challenge or the Office Lighting Challenge. By taking the challenge, you agree to replace at least one light bulb with an LED. If each US household purchases just one LED bulb, consumers could save \$500 million annually. Share your experience with friends and colleagues.
3. Encourage mayors/governors to officially proclaim. In 2016, Hawaii Governor David Ige did so and, this year, Pittsburgh Mayor Bill Peduto has already followed suit. Check the link above for a sample proclamation that you can share with your mayor and governor.

Share news about Energy Efficiency Day and the benefits of saving energy-- and money-- through blog posts, emails, newsletters, and social media. Telling an energy efficiency success story with videos, photos, graphics, or other content is very powerful. Or share this blog post. When signing up on the EE Day website, the material you can use will be provided.

REGISTRATION OPENS FOR THE 2018 ASHRAE WINTER CONFERENCE

September 7, 2017

Contact: Allen Haynes
Public Relations
404-446-1677

ahaynes@duffey.com

ATLANTA – ASHRAE is pleased to announce registration is now open for its [2018 Winter Conference](#), to be held in Chicago, Ill., Jan. 20-24, at the Palmer House Hilton. Registration is also open for the [AHR Expo](#), Jan. 22-24 at McCormick Place, co-sponsored by ASHRAE and the Air-Conditioning, Heating, and Refrigeration Institute (AHRI).

The ASHRAE Winter Conference features eight conference tracks, [tours](#), [social events](#) and a keynote message from Debbie Sterling, Founder and CEO of [GoldieBlox](#).

Attendees will examine the latest topics in the building industry, through a technical program featuring more than 200 presentations and 300 speakers.

“Engineers and designers continue to adopt design principles to reduce the ecological impact of our built environment on the world around us. It has practically become second nature,” says Michael Collarin, technical program chair of the ASHRAE Winter Conference. “This conference provides professionals with an unparalleled opportunity to focus on the design, build, control, commission, operating facilities and infrastructure resources that they need, not only to be efficient, but resilient.”

The conference includes tracks on what ASHRAE is most known for – standards, fundamentals and applications, systems and equipment. Tracks on industry trends in resiliency and modeling throughout a building’s life cycle, as well as tracks addressing specific disciplines, such as tall buildings and heat exchange equipment are also on the agenda.

Technical Program tracks include Systems and Equipment; Fundamentals and Applications; Standards, Guidelines and Codes; Earth, Wind & Fire; Tall Buildings; Modeling Throughout the Building Life Cycle; and Heat Exchange Equipment.

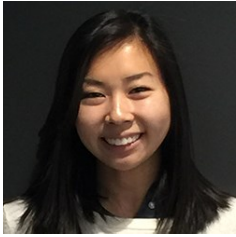
ASHRAE Learning Institute (ALI) will offer two full-day, and five half-day seminars during the conference. Courses include: The Commissioning Process in New & Existing Buildings; High-Performance Building Design: Applications & Future Trends; Variable Refrigerant Flow Systems: Design & Application; and 78 Designing Toward Net-Zero Energy Commercial Buildings.

New and updated courses include:

- Optimizing Indoor Environment: Increasing Building Value
- Understanding and Designing Chilled Beam Systems
- Designing High-Performance Healthcare HVAC Systems
- Complying with Standard 90.1-2016: HVAC/Mechanical
- Humidity Control I and II: Principles & Applications

Visit [ASHRAE Learning Institute \(ALI\) Courses](#) for a full list of conference course offerings.

Those interested in sitting for one of six ASHRAE certification exams must apply by Dec. 20. The exams include: Energy Assessment, Energy Modeling, Commissioning, Healthcare Facility Design, High-Performance Building Design and Building Operations. Learn more and apply at www.ashrae.org/certification.



Student Activities

By: Yuka Narisako

I am enthused to begin a new academic year with ASHRAE Boston Chapter as the Student Activities Chair. The Region I CRC was held in Long Island, NY this past August in which I learned some valuable advice from fellow Student Activities Committee Chairs. In the upcoming weeks I will be formulating my goals for this fiscal year and submitting them for review, after which they will be shared on our website.

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. In addition, we are looking to update our application and selection criteria for ASHRAE Boston Chapter scholarships, and I look forward to sharing those updates once the changes have been approved by the BOG.

We had student members who were incredibly engaged in the industry and their studies this past year, and I look forward to being a helpful resource to more student members. 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 c001sa@ashrae.net with any questions!

Membership & Promotion

By: Will Cunningham

Welcome back into the new ASHRAE season everyone! I hope everyone had a great summer and is ready for another year of success; I know I am. Between work, the start of the football season, the winding down of the baseball season, and having the kids back in school, I'm glad you have found time in your busy schedules to read through our newsletter and participate in any way you can!

Hello, I am Will Cunningham, your new Membership Promotion Chair and Board of Governor. I hope I can help you and future members of the Boston Chapter as fine as our past Membership Promotion chairs have held it down. On that note, let us get down to business at hand.

Please take a moment to review your membership bio info on your ASHRAE profiles to ensure the information is up to date. The information you provide us on your profile, especially the email address, is the main method of getting Society and Chapter news out to you, as well as meeting notices and dues renewal reminders. We would like to minimize the amount of returned mail notices that are received and make sure our members receive the meeting notices in a timely manner. Login to <http://www.ashrae.org> with your membership card and update your info. Non-Members please consider re-upping or follow the new mailing list procedure below.

For all non-members, if you wish to continue receiving notices of the meetings please opt in by sending a specific request to remain on the mailing list. Please send your request to Will Cunningham at wcunningham@brplusa.com. Again this will help to keep our mailing list up to date. ***As of October 30, all non-members who have not requested to be on the mailing list in this manner will be removed from the list.***

If you have any questions about your ASHRAE membership, renewing your membership or you are looking to become more involved with the Boston Chapter please feel free to contact me at wcunningham@brplusa.com. If you are interested in helping out with Membership Promotion Committee please let me know, we can always use additional people.

William Cunningham

Yuka Narisako

Chris Pietrocarlo

Membership Promotion Chair Yea Members Chair Attendance Chair

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.

Oct 23, 2017

[Introduction to Building Enclosure Commissioning](#) (Co-sponsored by Building Enclosure Commissioning Collaborative) This seminar introduces the Building Enclosure Commissioning (BECx) process by outlining key quality-based tasks that achieve a successful building enclosure. The seminar focuses on both design phase and construction phase BECx activi...

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.

Jul 18, 2017

[NEW! Variable Refrigerant Flow System: Design & Application](#) Variable-refrigerant flow (VRF) systems are now becoming increasingly utilized across North America. This course provides nonmanufacturer-specific concepts of the unique operational characteristics of VRF systems and how to apply VRF systems to a wide range of building types. The course supplements...

2017-2018 Meeting Schedule

Date	Main Meeting/ Tech Session	Speaker	PDH Credits	Location/ Special Night
September	Overview and Discussion of VRF Technology	Greg Hosselbarth, Jean-Samuel (JS) Rancourt	Pending	Embassy Suites 550 Winter St. Waltham
Tuesday September, 26 2017	Tech Session: Integrating VRF & DOAS	Mike Woolsey	Pending	Research Promotion/Membership Promotion
October	Tour of Boston University's CILSE Building	Building Tours led by ARUP and Payette	Pending	Boston University 610 Commonwealth Avenue Boston, MA 02215
Thursday October 19, 2017				Past Presidents & History
November	Transforming and Existing Building into a High Performing Facility	James L. Newman, CEM	1.5	Metro Meeting Centers 101 Federal St. Boston
Tuesday November 7, 2017	Tech Session: TBD	TBD	TBD	Student Activities/ Young Engineers in ASHRAE/Women in ASHRAE
December	Overview of vibration isolation for noise control and code requirements	Mr. Steven Tafone, P.E.	TBD	Embassy Suites 550 Winter St. Waltham
Tuesday December 12, 2017	Tech Session: lessons learned involving systems	Mr. Karl Peterman, P.E.	TBD	Joint Meeting with ASPE
January	Smoke Control Systems and Integration Across Trades	Andrew Krenning & Ed Ledoux	TBD	Metro Meeting Centers 101 Federal St. Boston
Tuesday January 10, 2018	Tech Session: Smoke Control Systems Requirements	Eric Montplaisir	TBD	Research Promotion/Membership Promotion
February	BAS Controls	TBD	TBD	Embassy Suites 550 Winter St. Waltham
Tuesday February 13, 2018	Tech Session: ASHRAE Guideline 36P (Control Sequences)	TBD	TBD	Joint Meeting with I2SL
March	Energy / Indoor Environment with ASHRAE President	TBD	TBD	Metro Meeting Centers 101 Federal St. Boston
Tuesday March 6, 2018	Tech Session: TBD	TBD	TBD	Joint Meeting with AEE
April	Product Show 2018	See Program	See Program	Lantana's 43 Scanlon Dr. Randolph, MA 02368
Thursday April 19, 2018	ASHRAE CTTC Webcast	TBD	TBD	
May	Installation of Officers	TBD	TBD	TBD
Wednesday May 23, 2018	Brewery Tour at Night Shift	TBD	TBD	TBD
June	Golf Outing	Jim Liston	N/A	Granite Links 100 Quarry Hill Dr. Quincy, MA 02169
Monday June 4, 2018				Research Promotion

OFFICERS

President

Mike Gilroy,
BR+A
617-925-9255
coo1@ashrae.net

Secretary

Christine Reinders
Cannon Design
coo1sec@ashrae.net

Treasurer

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

President-Elect

Dan Carington
BR+A
617-925-8236
coo1pe@ashrae.net

Vice President

Mark Leonard
BR+A
617-925-8322
coo1vp@ashrae.net

BOARD OF GOVERNORS

2017-2020

Bob Persechini
RDK Engineers
617-345-9885
rpersechini@rdkengineers.com

Lance Brown
BVH
LanceB@bvhis.com

Chris Pietrocarlo
BR+A
cpietrocarlo@brplusa.com

William Tang
BR+A
617-254-0016
wkt@brplus.com

2016-2019

Darcy Carbone
Stebbins Duffy, Inc.
617-957-2567
coo1bog2@ashrae.net

Christine Reinders
CannonDesign
617-517-6204
coo1bog1@ashrae.net

Steve Tafone
Suffolk Construction
978-774-1057
coo1bog10@ashrae.net

2015-2018

Daniel Diorio
Boston College
617-552-8772
coo1bog4@ashrae.net

Jim Liston
Columbia Construction Co.
978-664-9500
coo1bog6@ashrae.net

Justin Mole
Cannon Design
coo1bog7@ashrae.net

Erin Popa
BR+A
617-925-8205
coo1bog5@ashrae.net

COMMITTEES

Attendance

Chris Pietrocarlo
BR+A
ashraebostonattendance@outlook.com

CRC Delegate

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

Membership Promotion

Will Cunningham
BR+A
coo1mem@ashrae.net

Professional Development

Mark Leonard
BR+A
617-925-8322
mleonard@brplusa.com

Sustainability

Lance Brown
BVH
LanceB@bvhis.com

Chapter Program

Mark Leonard
BR+A
617-925-8322
coo1cttc@ashrae.net

Golf Outing

Jim Liston
Columbia Construction Co.
978-664-9500
jliston@columbiacc.com

Nominating

Bob Persechini
RDK Engineers
617-345-9885
coo1nom@ashrae.net

Publicity

Erin Popa
BR+A
617-925-8205
coo1pub@ashrae.net

Special Events

Erin Popa
BR+A
617-925-8205
Teri Shannon
ashraebostonspcialevents@outlook.com

Chapter Technology Transfer

Dan Carington
BR+A
617-925-8236
coo1cttc@ashrae.net

Grassroots Government Activities

Christine Reinders
Cannon Design
Creinders@cannondesign.com

Research Promotion

William Tang
BR+A
617-254-0016
coo1rp@ashrae.net

Refrigeration

Steven Tafone
Suffolk Construction
978-774-1057
coo1ref@ashrae.net

Website

Kevin Doty
Victaulic
coo1web@ashrae.net

CRC Alternate

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

Historian

Eric Edman
BR+A
617-925-8325
coo1his@ashrae.net

Mike Gilroy

BR+A
617-925-9255
mpg@brplusa.com

Mike Gilroy

BR+A
617-925-9255
mpg@brplusa.com

WiA

Deanna Adkison
AKF Group
617-535-8236
dadkison@akfgroup.com

CRC Alternate

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

Honors & Awards

Will Cunningham
BR+A
coo1ha@ashrae.net

Newsletter Editor

Deanna Adkison
AKF Group
617-535-8236
coo1ne@ashrae.net

Student Activities

Yuka Narisako
BR+A
coo1sa@ashrae.net

YEA

Nick Roth
NE Applied Products
coo1yea@ashrae.net

ASHRAE RESEARCH

ASHRAE Boston Chapter Contributors

Investors Who Care About Tomorrow

Ms Sarah E Maston, PE	Mr Jeffrey Zajac	Mr Chris Pietrocarlo
Mr Gary M Elovitz	Mr Justin J Mole	Ms Deanna Jean Adkison
Mr Majid Seghatoleslami	Mr Lance Brown	Mr Karl R Hudson
Mr James R Generelli	Mr Daniel P J Carington	Mr John A Iacopucci
Ms Christine Reinders-Caron	Mr Steven J Tafone	Mr Joel Gordon, PE
Mr James E Armstrong	Mr William K Tang	Gary Wilkins
Mr Robert J Persechini	Mark C Leonard	Mr David Bennett III
Mr Michael P Gilroy	Mr William Cunningham	Mr Eric M Edman
Mr Daniel P Diorio	Mr Eric M Edman	RST Thermal

CONTACT William Tang at coo1rp@ashrae.net

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

ASHRAE RESEARCH
 William Tang
 c/o Bard, Rao + Athanas Consulting Engineers
 10 Guest St. 4th Floor
 Brighton MA 02135

**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: _____

INDIVIDUAL

\$25.00	\$50.00	\$100.00	\$200.00
\$250.00	\$500.00	\$1,000.00	\$2,000.00

Other: _____

TEL:

CORPORATE

Other: _____



NorthEastAire

Deanna Adkison

Fitzmeyer & Tocci Associates, Inc.

300 Unicorn Park Drive, 5th Floor, Woburn, MA 01801

(P) 781.285.2262d

adkison@f-t.com