



Next Meeting

***WEDNESDAY,
APRIL 18, 2018***

Lombardo's
RANDOLPH, MA

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President's Report

Due to the snow storm on March 13th, we had to reschedule our March meeting to March 20th. If you were unable to attend this meeting, we had our own VP Technical Chris Curran present on Hot Water Return. Chris did a great job presenting this topic and answering all the question that came his way. Kudos to him for being able to present to us; or maybe even rethink how water return with the added use of using Revit for adding up all your pipe sizes.

This month we have our joint meeting with the Greater Boston Plumbing, Contractors Association (better known as GBPCA). Please note, that this meeting will be on the **third Wednesday of the month, which is April 18th, 2018**. The meeting will be held at, Lombardo's in Randolph, MA. The topic should prove to be interesting, for the Engineering/ Design Community as we will be introduced to Joe McNamee, who is the interim head of the MA Plumbing Board and he will be letting us know what decisions the plumbing board has made or what they have been working on. He will also be answering question that you may have.

For the May monthly meeting, we are going to have it in downtown Boston at night. The meeting will be held at the MMC (Metro Meeting Center) which is located on the 4th floor of 101 Federal Street. This will be our first downtown night meeting and we hope to have some more meetings like this for the next ASPE season.

For our 45th anniversary as a chapter, we will be having our June Social on Friday, June 15th at Granite links in Quincy, MA. We are still work out the minor details, so please mark this on your calendar. We will send out more info in May's newsletter. Hope to see you at this event.

We will also be having our annual golf tournament on September 14th 2018 at Wayland Country Club. For the 2019 golf tournament we are currently looking at new venues, if you have a suggestion please let the board know.

Hope to see you in April!

**Best Regards, Edward Nadeau,
ASPE Boston Chapter, President**

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Example of Fire Department Connection through wall. Oh it's glass, no problem. Fire Department Connection through window. So you really can install a Fire Department Connection through glass. If anyone tells you, you can't; here's proof. You can.

This is not my design or project, just an observation walking down a sidewalk. I thought it would be good to share. Photo curtesy of: Laurence D. Johnston CPD



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Membership Report

New Boston Chapter Members

The Boston Chapter ASPE would like to welcome our newest Chapter members:

Matthew Baker	Associate Member	AHA Engineers	Lexington, MA
Vasco Demello	Full Member	Avid Engineers	Billerica, MA

Boston Chapter Membership Drops

Boston Chapter shrank by 14 members in February because although we had five new members, 19 members did not renew their membership on time. The Boston Chapter has now dropped to the 3rd largest chapter, behind NYC and Chicago. Hopefully our 19 ex-members will renew their membership asap. The reality is that our membership numbers on June 30th determine how many Chapter Delegates we can send to the upcoming ASPE Convention in Atlanta this Fall. The more delegates we qualify for, the more we can send and have Society reimburse the chapter. Your chapter Board of Directors would like to continue to send our younger members to the ASPE Convention, but there are hefty expenses associated with doing so, even more so if Society isn't reimbursing us. *So my plea to you is to renew in a timely fashion, recruit your co-workers to join as new members, and more importantly, assist us in reminding other members to renew their membership in a timely fashion. Thanks!*

Membership Reminders

According to the latest Revoke List I received from ASPE Society on 3/12/18, the following members are being dropped from our roster. If you are on this list, please call the Society Membership Office at 847-296-0002 and renew your membership over the phone. If you have renewed already, Thank You!

Eduard Doraci	Anne N. Kubota	Scott M. Rieder
Bradley Gahagan G.E.	Shawn D. McCurdy	Zachary Rohlf
Nikolaos Giakoumidis CPD	Walid M. Nicolas	Rocco Rossi P.E., CPD
Robert E. Jackson CPD-Retired	Jay A. Pinard	Belinda Stansbury

March Renewals

The following Chapter members had a March membership renewal date. If you haven't rejoined already, please call the Society Membership Office at 847-296-0002 and renew your membership over the phone:

Shane Wise CPD	Robert Nesselle	James Nadeau CPD
Jonathan Boie	Ryan McCarthy P.E.	Jimmie W. Ng
Derek L. Sylvia CPD, CET	Thomas Betteridge P.E., CPD	Peter Rogers P.E.
Jacob Demars	Timothy McDonnell	Joseph A. Vela, Sr. CPD, FASPE
Kenneth Kelly LEED AP, CPD	Kien Diep	
Mark Brady	John P. Kitsalis P.E.	

April Renewals

Just a reminder to the following Chapter members having an April membership renewal date. If you haven't received your renewal invoice from Society please let me know.

Alfred J. Melchionda P.E.	Joseph Cinco CPD	Robert Marshall
Charles Plummer G.E.	Michael F. Kessler P.E, LEED AP	Samoundisvary Oumabady
Emily Carter	Laurence D. Johnston CPD	Andrew Powers
Frederick M. Thomas	Richard Barbera	Patrick Shea
Gilbert Castera P.E.	Steven L. Forte P.E., CPD	Gregory B. Wozny P.E.
Joseph Dinis	Robert E. Handschiegl Jr.	

ASPE Mentor Program

I have recently joined this new ASPE program and I have become a mentor within the Boston Chapter. I want to take this opportunity to encourage every chapter member to consider joining the program as well and become either a mentor or mentee, depending upon your experience level. I am excited to participate in the program because it doesn't require a large time commitment, I believe I can readily assist in the networking and technical aspects of the program, and it looks to be a fun time, I believe it will be a successful and rewarding experience.

Joining the program was easy, I just needed to fill out a brief questionnaire and ASPE Society did the rest matching me up with one of our chapter's newer members. More information on the program is in the newsletter page that follows. Full Mentor Program details can be found at: <https://aspe.org/aspe-mentoring-program>

By John Callahan, CPD, V. P. Membership, Boston Chapter ASPE



ASPE Mentor Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals

Who Is a Mentor?

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

Who Is a Mentee?

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths



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NEXT MEETING

WEDNESDAY, APRIL 18th, 2018

Lombardo's, Randolph, MA

Speaker: Mr. Joe McNamee

Discussion with New Interim Head of the Plumbing Board

PROGRAM SCHEDULE

Social Hour	5:00 – 6:00
Dinner	6:00 – 6:45
Chapter Business	6:45 – 7:00
Speaker / Technical Session	7:00 – 8:30

MENU

Choice of: Braised Short Ribs with Horseradish Mashed Potatoes
or
Pan Seared Atlantic Salmon with Risotto

MEETING RESERVATIONS

\$25.00 ONLINE Reservation
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Technical Report



It's spring time in New England. So, that means there is still snow on the ground and a chill in the air. It also means that nicer weather is just around the corner. I don't know about you folks, but all these late season snow storms sure have really made me ready for spring.

I would like to thank everyone who made it up to The Chateau in Andover for our monthly meeting in March. Especially as the meeting was a week late thanks to those aforementioned snow storms. I'm not sure if that is so much a sign that the meeting topic (domestic hot water recirculation) was of particular interest to the membership, or because you all heard I was presenting and you wanted to practice your tomato throwing aim. Whatever your true intentions, the meeting was well attended, and apparently well received. I appreciated all the questions as well as pointing out my contradictory slide where I combined all the friction losses of my risers versus taking the worst case scenario only (as I had stated earlier in the presentation.) I would also like to thank the gentleman who reminded me to include the minimum pressure drop thru the mixing valve as the circ. pump will need to overcome this as well when returning to/through a mixing valve.

The feedback let me know that these types of presentations are viable, and probably something we should be trying to do more often. I will try to keep that in mind when scheduling future presentations, though I may try to find less a distractingly handsome presenter. We really do value any and all feedback, whether good, bad, or of the slightly overripened tomato hurled at me when speaking. Please continue to reach out to any of us on the board with your input, wants, needs, likes, or dislikes. Always remember, this is **YOUR** chapter, not ours.

I wanted to mention something else this month. As part of our commitment to education, we are also involved in reaching out to local schools to help educate students about ASPE & Plumbing engineering in general. I had a chance to make a presentation to the Plumbing shop students at the Southeastern Regional Vocational Technical High School in Easton, MA as part of National Engineering Week on March 2nd. I would like to thank Mr. Jarrod Lussier (Master Plumber, Licensed Plumbing Instructor) for allowing me to come in. I was happy that there was so much interaction with the students showing a real interest in what we do. I personally think these are the students we need to be reaching out to, both for the future plumbing engineers as well as the future plumbers. As we all know we are short on both.

I would like to form a committee at some point to see how we can reach out to schools, especially vo-techs, possibly in partnership with the plumbing contractors organizations like the GBPCA to see how we can let them know about the potential careers out there for them. I will be developing some ideas, but I would welcome anyone who is interested to reach out to me as well.

Our next monthly chapter meeting is to be held at Lombardo's in Randolph, MA & will be on the third Wednesday of the month.

Wednesday April 18th, 2018 @ Lombardo's in Randolph, MA

Main Topic - A discussion with new Interim Head of the Plumbing Board Joe McNamee

Presenter - Joe McNamee

April is our annual joint meeting with the Greater Boston Plumbing Contractors Association (GBPCA), and they are our hosts this year. The meeting sounds like it should be a good one as we have had some instability at the plumbing board without an executive director, and the recent code being released. The presentation will consist of an introduction to Mr. Joe McNamee, who is the interim head of the plumbing board. He's going to be bringing us up to speed on the recent changes within the code, and hopefully some insight into coming changes. There will also be a Q&A session, so this will be your opportunity to get your important questions answered, or at least heard.

We're asking the membership to send us their questions ahead of time to give Mr. McNamee a chance to prepare and allow for the most information possible to be gained from this meeting. Please send in your questions to myself or any other board member. I can be reached at chris_curran@aha-engineers.com.

This should be a very informative meeting, and we would encourage all firms to be represented to hear what is going on with the plumbing code/board.

Upcoming Technical Events:

May 2018 - Unfortunately our planned plant tour has been postponed to the fall. However, we are excited to announce we will be having our first evening meeting in the city in years. We will be hosting our May meeting at the Metro Meeting Centers Boston location at 101 Federal Street, 4th Floor. The presentation at this time is TBD, but we have a few good ideas brewing right now, and will let you know soon. This should help us close out the years meetings with a bang. Hope to see you then.

June 2018 - June Social/ASPE Boston Chapter 45th Anniversary celebration. This will be held at the Granite Links Golf course in Braintree, MA. Not a technical event, but worth mentioning.

The ASPE bi-annual Conference and Exposition is coming up soon (September 30th), and registration will be opening next month. Now is a good time to put it on your calendars.

If you have any topics you would like covered at an upcoming meeting, please shoot me an e-mail at chris_curran@aha-engineers.com.

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Legislative Report

The following is a very informative seismic application manual from Kinetics Noise Control website. This manual gives a great understanding on the pipe component importance factor.

The following was copied from the KINETICS™ Pipe & Duct Seismic Application Manual.

PIPE AND DUCT COMPONENT IMPORTANCE FACTOR

Pipe and Duct are categorized in ASCE/SEI 7-05 as non-structural components. There are just two values for the Component Importance Factors for pipe and duct, 1.0 and 1.5.

All pipe and duct must be assigned a component importance factor. The design professional that has responsibility for the pipe or duct is also responsible for assigning the Component Importance Factor to that pipe or duct.

Criteria for Assigning a Component Importance Factor to Pipe:

For pipe, the Component Importance Factor assigned to the pipe shall be determined as follows.

1. If the pipe is required to remain in place and function for life-safety purposes following an earthquake the importance factor assigned to the pipe shall be 1.5.

Some examples of this type of pipe would be;

- Fire sprinkler piping and fire suppression systems.
- Systems that maintain proper air pressure, temperature, and humidity in surgical suites, bio-hazard labs, and clean rooms.
- Medical gas lines.

2. If the pipe contains or is used to transport hazardous materials a Component Importance Factor of 1.5 shall be assigned to that pipe.

- I.e. natural gas piping.

3. If the pipe is in or attached to a building that has been assigned to Occupancy Category IV (Seismic Use Group III), i.e. essential or critical facilities, and is required for the continued operation of that facility following an earthquake, then a Component Importance Factor of 1.5 shall be assigned to that pipe.

Hospitals, emergency response centers, police stations, fire stations, and etc. fall in Occupancy Category IV.

4. If the pipe that is located in or attached to an Occupancy Category IV facility and its failure would impair the operation of that facility, then a Component Importance Factor of 1.5 shall be assigned to that pipe or duct.

5. All other pipe that is not covered under items 1, 2, 3, or 4 may be assigned a Component Importance Factor of 1.0.

Always check with the local officials for any additional requirements before assigning Component Importance Factor.

For a full copy of the manual, visit Kinetics website at www.kineticsnoise.com

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CALENDAR OF EVENTS

DATE	EVENT / HOLIDAY	LOCATION
April 4, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
April 18, 2018	ASPE Boston Chapter Monthly Meeting—Joint meeting with GBPCA	Lombardo's, Randolph, MA
April 25, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
May 2, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
May 2018	ASPE Boston Chapter Monthly Meeting	Metro Meeting Center 101 Federal Street, Boston
May 30, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
June 6, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
June 15, 2018	June Social - 45 Anniversary	Granite Links, Quincy
June 27, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston



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