



CT ASPE NEWS

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**NEWSLETTER OF THE CONNECTICUT
CHAPTER**

February 2023

Next Chapter Meeting

February 15th, 2023

Speaker: Steve Callahan
Topic: Adopting Sensor Technology
Throughout Commercial Restrooms
Location: Portofino's
246 New Britain Road
Berlin, CT
Time:
Meet and Greet (typically in bar area): 6:00- 6:30 PM
Chapter Business: 6:30-6:45 PM
Dinner Program/Technical Presentation: 6:45 to 8:00 -
8:30 PM
Cost: \$40 ASPE Members
\$50 Non-ASPE Members
RSVP: February 13th, 2023
Email: Devon.neal@salasobrien.com
Online: www.ctaspe.com Pre-Pay Here

Please include a Full Course Dinner selection from below with your RSVP. All dinner selections must be made in advance:

- Veal Parmigiano
- Stuffed Sole
- Stuffed Chicken w/ Shrimp
- Chicken Marsala
- N.Y. Strip 16 oz.
- Veal Napolitano
- Stuffed Shrimp

Includes: Pasta course, Salad, Dessert, Soda and Coffee.

Payments can be made Online: www.ctaspe.com
Pre-Pay Here

**Payments are strongly encouraged to be made
in advance online**

President's Message

Nicole Parker, CT ASPE President

Happy February! Happy Valentine's Day!

The weather has been strange this year for sure. It is February and winter has finally decided to show up with record cold temperatures, let's hope for no snow.

The next meeting we have is for March 15, 2023 and will be on Grease Interceptor's, presented by Peter Palladino, the Regional Sales Manager for Highland Tank. The meeting will be at Portofino's in Berlin, CT.

Presenter Biography

Steve Callahan, Regional Sales Manager for Sloan Valve Company has had a long history in our industry, including but not limited to:

- Over 30 years of experience in the water and plumbing industry
 - 7+ years at Sloan Valve Co. – Northeast Region
 - 9 years as Watts - National Market/Sales Manager for OneFlow® and RSM Mid-Atlantic.
 - 8 years co-founder of PureTech Water & Vital H2O. A CT based bottled water, coffee and water treatment company.
 - 10 years sales and product management with Cuno® (now 3M)
- Featured technology speaker at 35+ ASPE chapters.

CTASPE Chapter News: Tabletop Presenters!!!

We are in search of interested vendors that would be interested in tabletop presentations, will be charging a \$100 fee for those who wish to present a tabletop of their products at the meeting.

If you wish to be a tabletop presenter, please contact either myself at Nicole.parker@salasobrien.com or Devon Neal at Devon.neal@salasobrien.com.

Sponsorship

If there is anyone interested in sponsoring any of the monthly meetings the cost would be \$600. This would give the members an opportunity to come to the meeting free of charge. Please note that if a meeting is sponsored it will be free of charge for all ASPE members, non-members will still be required to pay the normal amount. Again, if you are interested please contact either myself at Nicole.parker@salasobrien.com or Devon Neal at Devon.neal@salasobrien.com.

Newsletter Advertisements

Now is the time to renew your advertisements for the newsletter. Any advertisements that are not renewed will be removed from the newsletter. We encourage new people to purchase advertisements as well as returning folks to renew.

The costs for the ad's are as follows:

Full page = \$500

½ Page = \$250

¼ Page = \$175

Business Card = \$100

Please contact myself at Nicole.parker@salasobrien.com or newsletter@ctaspe.com to renew or place an advertisement. All payments for advertisements shall be made out to CT ASPE and mailed to the following address:

Croft & Smith
ATTN: Dave Showalter
P.O. Box 512
Niantic, CT 06357

Education Corner

Continuing Education Credits for CPD, CPDT, GPD & PE

Here's a few ways to earn CEUs:

- If you are an ASPE member **you can earn 1 free hour of continuing education every month** by visiting <https://aspe.org/content/read-learn-earn> (aspe.org under the education tab). **Set a calendar** reminder to check the website every month.
 - Every month a new article and quiz are added and one quiz expires, so if you're diligent you can earn these 24 hours without incurring any other fees and from the convenience of your home or office. I strongly recommend this option.
- If you're an ASPE member login to aspe.org then visit <https://aspe.org/CEUCenterInfo> to see a log of CEUs earned through ASPE. If this method doesn't work for you create your own method but be diligent and accurate, and keep backups!
- **Proof of attendance or completion must be kept.** I'm sure you're aware of what is acceptable, but if you're not please let me know and I'll show you a sample. Many ASPE chapters award CEU certificates after monthly meetings. If they don't, have your chapter officer speak to me and we can show them how to award certificates to attendees.
 - Here are examples of what is *not acceptable* in the event you are audited: calendar invites, announcements of an event, etc. These don't show proof of attendance.
- Here's resources of all recognized continuing education opportunities:
 - **Webinars:** <https://aspe.org/WebinarArchives>

Most webinars are 1 hour and offer 0.1 CEUs, we offer live webinars every month and the archives are available too.

Online Education:

<https://aspe.org/content/online-education>

- **CEU Provider Program:** <https://aspe.org/content/aspe-ceu-provider-program> Many companies have signed up to become an ASPE CEU Provider and their name and courses are listed there.
- **Read, Learn, Earn:** <https://aspe.org/content/read-learn-earn> Again, earn 0.1 CEUs every month for FREE (applies to ASPE members)
- **ASPE hosted workshops:** varies throughout the year and award high amounts of CEUs.
- **ASPE Conferences:** Odd years is the [Technical Symposium](#) and even years is the biennial Convention and Expo. Most conferences award more than half of your required CEUs and are an excellent opportunity to meet other professionals in our field.

Credentiaing:

A Message from the ASPE PE Working Group:

We are now into 2023! So, take a few minutes and complete the NCEES/PAKS Survey to advance ASPE's professional standing as well as move toward having a professional exam in "Plumbing."

You will only spend 15-minutes or so of your time to complete the survey at the link:

<http://ncees.org/PEMechanicalPAKS>

Important: To ensure that you evaluate the plumbing engineering discipline in the survey, please select "Plumbing" for the question, "Which of the following areas do you consider to be the closest primary area of your mechanical engineering expertise?" It is NCEES and ASPE's desire to obtain at least 200 responses to the survey. Based on the current data, at least an additional 83 members of ASPE's registered professionals need to complete this survey before it closes on March 15, 2023. However, it is ASPE's and my desire to see a greater response for the registered professional members before that date.

CTASPE Membership

As of January 6th, 2023, The Connecticut Chapter's membership is 54. Our membership breakdown is as follows:

	January 2023	February 2023
Full Members:	29	29
Associated Members:	5	5
Affiliate Members:	20	20
Government Members:	0	0
Special Members:	0	0
Student Members:	0	0
Life Members:	0	0
Retired Members:	0	0
Total Members	54	54

Of the 54 members we have 11 PEs, 12 CPDs and 2 PE & CPD.

Of the 54 members we have, 14 are AYPs. Let's work together to spread the word of ASPE to all the young engineers/professionals in our industry. Remind those that do HVAC and will someday stamp plumbing drawings that they need to have the knowledge to properly review their design.

National News

- The GPD Certificate Program is now available on-line on-demand.
- ASPE Education now has all the recently archived webinars available on-line for getting CEU's.
- **Register Now for the 2023 CPD Exam:** ASPE's CPD program is the only international credential for engineers and designers of the plumbing systems, and registration is now open for the 2023 exam, which will be held via remote proctor on April 10-21. To learn more about the credential and determine if you are eligible to sit for this year's exam, visit <https://www.aspe.org/education-credentialing/cpd/exam/>.
- **Three-Part Virtual CPD Review Class Will Help You Prepare for the 2023 Exam:** Are you considering taking the Certified in Plumbing Design (CPD) exam next year? Join ASPE for a three-part virtual class that will help you prepare. Taught by Donald Taylor, CPD, GPD, FASPE, the classes will be held on February 18 and 19 and March 25, and registration is now available at
- **Plumbing Engineering Design Handbook, Volume 2 is Available for Download:** ASPE members, did you know that you can download all of the PEDH eBooks for free as part of your member benefits? The 2022 version of the PEDH Volume 2: Plumbing Systems is now available on ASPE's Bookstore, and you can access it and the other volumes at <https://www.aspe.org/publications-news/aspe-plumbing-engineering-design-handbooks/>.

ASPE Officers' Message

Devon Neal, CT ASPE V.P. Technical

Hopefully everyone enjoyed last month's presentation! Thank you to B.J. Shrader of McWane for giving us a great presentation. Feel free to contact me about a copy of his presentation. Below are a few takeaways from his presentation:

7 Things to Consider when Value Engineering CISP Drainage Systems:

Underground Installation

Cast Iron

- Requires a smooth trench wide enough to make joint connections.

PVC

- ASTM D2321 recommends a trench width of the pipe O.D. plus 16 inches or pipe O.D. times 1.25 plus 12 inches, additional bedding, backfill and compaction.
- As a flexible piping system, PVC requires greater care in underground applications. It is dependent upon proper compaction of the surrounding soil to withstand an external load.

Hanger Spacing

Cast Iron

- Code requires cast iron to be supported within 18 inches of each joint and every 10 feet horizontally.
- Cast Iron offers greater structural strength, significantly reducing hanger requirements.

PVC

- Model Plumbing Codes require PVC DWV pipe to be supported horizontally every 4 feet.
- Hanger spacing for PVC is dependent on the diameter of pipe and maximum operating temperature.

Temperature

Cast Iron

- Cast iron systems' maximum working temperature is 212°F. Cast Iron can withstand temperatures well beyond 212°F but is limited by the gasket material.

PVC

- PVC maximum working temperature is 140°F.

Thermal Expansion

Cast Iron

- Cast Iron will expand 0.745" per 100' of pipe with a 100°F temperature change.

PVC

- PVC will expand 3.6" per 100' with a 100°F temperature change.

Plenum Spaces

Cast Iron

- Cast iron is a noncombustible product which can be installed in a return air plenum.

PVC

- PVC used for sanitary drain, waste, vent and storm drainage should not be installed in a plenum.

Firewall Penetration

Cast Iron

- Cast iron requires installers to only seal the annular space between the wall and the pipe.

PVC

- PVC requires listed firestop materials or collars conforming to ASTM E 814 requirements on both sides of the fire-rated wall.

Sound Attenuation

Cast Iron

- Cast iron requires no insulation wrap because of its natural noise-dampening qualities with consistent sound performance levels in the 25-dB range (utilizing neoprene gaskets).

PVC

- PVC requires added insulation wrap and isolation brackets for quiet performance required in many buildings..

ASPE Officers' Message

Mike Jacobsen, CT ASPE AYP Liaison

I am looking to increase AYP membership and participation with plans to have some events in the springtime. AYP is dedicated to the needs of ASPE professionals 35 years old and younger. Being a part of AYP will give you an excellent opportunity to meet other professionals that have similar experiences and face some of the same challenges that you do. It can create valuable relationships that will last your entire career and provide exciting opportunities to help you excel in your career. If you fall into this age category, I encourage you to attend a monthly ASPE meeting or contact me directly to find out more details.

Cristian Perez, CT ASPE Administrative Secretary

One of ASPE's mission statements is their dedication to the advancement of the science of plumbing engineer, the professional growth and advancement of its members and the health, welfare, and safety of the public. Through ASPE, I've had the opportunity to learn a lot about our industry and meet very incredible people along the way! If you or anyone you know is interested in joining or renewing their membership with ASPE, please don't hesitate to reach out! We're always happy to discuss the benefits of membership with any potential members. You can also join directly at <https://memapplication.aspe.org/>.



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Stainless steel security fixtures for use in jails, detention centers + police stations.

Hey Young Professionals!



REGION 1 AYP PRESENTS:

REVIT BIMrx

presented by

EDWARD LARIVIERE

WHO

THIS WEBINAR IS OPEN TO ALL REGION 1 ASPE YOUNG PROFESSIONALS

WHAT

1. SMART SCHEDULING
2. MODIFY TOOLS PRACTICE
3. NAVIATE MEP
4. AND MUCH MORE!

WHEN

WEDNESDAY
FEBRUARY 15, 2023
12-1PM EST

REGISTER

THIS WEBINAR IS FREE TO ASPE MEMBERS AND THOSE WITH AN INTEREST IN JOINING ASPE

Edward LaRiviere is the Naviate MEP and Fabrication Product Owner. He's been heavily involved with automation and BIM adoption over the years, and he is now working to bring these efficiencies to teams all over the world.

While at Microdesk, Ed worked as an MEP Consultant, as well as a Strategic Implementation Manager specializing in helping firms with the successful transition to Revit, Automation, and Cloud based workflows.

Hey Young Professionals!



REGION 1 AYP PRESENTS:

Fundamentals of Centrifugal Pumps

presented by

RICHARD L. MEDAIROS, PE

WHO

THIS WEBINAR IS
OPEN TO ALL REGION 1
ASPE YOUNG PROFESSIONALS

WHAT

1. TYPES OF CENTRIFUGAL PUMPS
2. GENERATING PUMP CURVES
3. READING PUMP CURVES
4. SELECTING A CENTRIFUGAL PUMP

WHEN

WEDNESDAY
MARCH 15, 2023
12-1PM EST

REGISTER

THIS WEBINAR IS FREE TO ASPE MEMBERS.
A \$5 FEE WILL APPLY TO NON-MEMBERS

Mr. Medairos is a Sr. Systems Engineer and Director of Commercial Training at Taco Comfort Solutions. He has over forty-five years of experience with demonstrated expertise in Engineering, Project Management, and planning.

Throughout his career, he has worked on projects with major clients such as NASA Kennedy Space Center, Disney World, Universal Studios Florida, Boston University, Rhode Island School of Design, First Data Corporation, Dartmouth College, and Taco's Innovation and Development Center.

Hey Young Professionals!

REGION 1 AYP PRESENTS:



Not All Alloys are Created Equal

presented by

LAUREN BERENATO

WHO

THIS WEBINAR IS OPEN TO ALL REGION 1 ASPE YOUNG PROFESSIONALS

WHAT

1. VALVE MATERIALS
2. BRASS VS. BRONZE
3. DEZINCIFICATION
4. MATERIALS FOR APPLICATIONS

WHEN

WEDNESDAY
JUNE 21, 2023
12-1PM EST

REGISTER

THIS WEBINAR IS FREE TO ASPE MEMBERS.
A \$5 FEE WILL APPLY TO NON-MEMBERS

Lauren Berenato is the National Specifications Manager for Jomar Valve. She joined Jomar in February of 2016. Within her role at Jomar, she educates Engineers, designers, contractors, and manufacturer's rep agencies on designing the most efficient systems.

Within ASPE, Lauren serves on the Region 1 Board as the Affiliate Liaison. She is also involved with the American Supply Association's Women in Industry Division where she is the founding member of the Women in Industry Leadership Book Club. Lauren has been published in *Plumbing and Mechanical Magazine* as well as MCAA's magazine.

Lauren has her Bachelor of Science from Lehigh University in Industrial Engineering, her Juris Doctor from DE Law School, and her Master's in Patent Law from the University of Notre Dame.

2022 – 2023

CT BOARD OF OFFICERS

President:

Nicole Parker, CPD, CFPS

BVH Integrated Services, P.C.

(860) 760-7449

Nicole.parker@salasobrien.com

V.P. Technical:

Devon Neal, CPD

BVH Integrated Services, P.C.

(860) 760-7449

Devon.neal@salasobrien.com

V.P. Legislative:

Roger Stolling

EDOS

(203) 752-8973

roger@edosonline.com

V.P. Membership:

Kevin Long

Emerson Swan Company

(860) 416-4136

klong@emersonswan.com

Treasurer:

Dave Showalter

Croft & Smith, Inc.

(860) 739-4488

croftsmith@snet.net

Administrative Secretary:

Cristian Perez, EIT

Centek Engineering Inc.

(203) 906-2770

cperez@centekeng.com

Corresponding Secretary:

Jonathan Kurtz

Kohler Ronan

(203) 778-1017

JKurtz@kohleronan.com

Chapter AYP Liaison:

Mike Jacobsen

Emerson Swan Company

(203) 988-1406

mjacobsen@emersonswan.com

Chapter Affiliate Liaison:

Jeremy Ross

K. Ross Co.

(508) 317-5352

jeremy@krossco.com

2022-2023 ASPE Meetings

February 15, 2023

Topic:

Adopting Sensor Technology

Throughout Commercial Restrooms

Speaker:

Steve Callahan, Sloan

Location:

Portofino's, Berlin, CT

March 15, 2023

Topic:

Grease Interceptors

Speaker:

Peter Palladino, Highland Tank

Location:

Portofino's, Berlin, CT

April 18, 2023

Topic:

The Devil is in the Details: Pitfalls of

Specifying Commercial Water

Heaters & Boilers

Speaker:

Kevin Brace, Rheem

Location:

Rheem Innovative Learning Center,

Waterbury, CT

May 17, 2023

Topic:

Speaker:

Location:

Proposed Program topics subject to change!!!

Chapters are not authorized to speak for the Society

We are open to suggestions on upcoming Program topics!