

## OCT - MEETING AGENDA

**DATE:**

**TUESDAY, OCT. 13, 2020**

**WHERE:**

*This will be a [virtual online meeting](#)*

5:00 PM - 6:00 PM

**Valves 101**

6:00 PM - 7:00 PM

**IPC Code Changes 2015/2018/2021**

**Please note: the price is free**

*If you are having trouble logging in go to:*

<https://education.aspe.org/moreinfo>

*For non-members you need to create an account to register: <https://www.aspe.org/request-account/>*

*The time shown on the information page is in Central Time due to ASPE's admin settings. When you login and if you're in a different time zone it will adjust.*

**REGISTRATION REQUIRED**

Registration link: <https://education.aspe.org/products/eastern-michigan-chapter-valves-101-and-ipc-code-changes-2015-2021-oct-2020>

**REGISTRATION IS FREE**

SEE INSIDE COVER FOR TABLE OF CONTENTS

## From Pam Hartsell, CPD, PMP President of ASPE EMC



Hello Eastern Michigan Chapter and welcome to Fall! Thankfully, when Summer ends in Michigan we don't have to feel sad. We just pack away those warm-weather clothes, break out our flannels and get ready for Hayrides, Fresh Cider and Bonfires. It's my favorite time of year!

Though the 2020 ASPE Convention was cancelled, this year's delegates still stepped up to the cause. On Saturday, September 12th they logged into Zoom and attended the business meetings remotely, fulfilling their commitment to represent our Chapter. It was an honor to be among them as we worked together to get two important Bylaw Amendments passed, helping to promote fairness in our national election process and well-earned recognition for some of our senior members. We also helped to successfully elect three new National Board Members. It was an emotional day for many of us and I'm so proud of the work we did.

Following the business meeting, we received word on this year's Awards. Thanks to the hard work of many volunteers, Eastern Michigan once again received the Region 2 Chapter Award of Merit for Outstanding Service to our Members! Look for the press release here in the newsletter.

Though we couldn't meet in person this year, ASPE National is organizing a virtual event called the 2020 ASPE Digital Experience – coming up in December. Read more about on the website here: <https://expo.aspe.org/>

Our membership is growing thanks to our new student membership drive. Check out the VP Membership Report for info on how to take advantage of a free student membership this year.

Our 45th Anniversary History Book is heading to the publisher next week! Watch for a future notice on how you can get your copy.

We are also branching out on Social Media! Follow our chapter's new LinkedIn Page here: <https://www.linkedin.com/in/aspe-eastern-michigan-chapter-6333251b7/>

So, until we can meet again in person - let's stay connected! Feel free to message me at the email address below. Your Chapter Board is here for you!

Your Chapter President,

Pam Hartsell

[president.aspe.emc@gmail.com](mailto:president.aspe.emc@gmail.com)

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### OCTOBER BOARD MEETING

Virtual Online Meeting 10/6/2020, 4:30 - 5:30 PM

### OCTOBER PROGRAM

Virtual Online Meeting 10/13/2020, 5:00 - 7:00 PM

### ASPE CONVENTION & EXPO (ALL DIGITAL)

Save the dates for this Digital Experience!  
12/1/2020 - 12/3/2020 (more info on page 12)

### CPD AND CPDT EXAM AND REGISTRATION

See pg. 12 for scheduling dates.

### ASPE IS ACCEPTING APPLICATIONS FOR THE ALFRED STEELE SCHOLARSHIP

Contact ASPE National for more information at  
(847) 296-0002, or email [info@aspe.org](mailto:info@aspe.org)

# Congrats!



ASPE Eastern MI chapter congratulates Theresa Card for being awarded the 2020 Plumbing Engineer of the Year by Plumbing & Mechanical Engineer Magazine!



ASPE Eastern MI chapter congratulates Brianne Hall for being elected for a second term (2020-2022) to the ASPE National Board of Directors!



Brianne will serve as Vice President, Legislative for the American Society of Plumbing Engineers National Board.



## OCTOBER DESIGN SESSION

5:00-6:00 PM

### TOPIC: **Valves 101**



*Aaron Kilburg*

Introduction into Commercial Valves. Discussion of valve types, function, materials used, and service conditions to consider for proper valve selection

- ❖ Learn the purpose of valves in Commercial System
- ❖ Learn about different types of commercial valves and their function within a plumbing system
- ❖ Learn why different materials are used in valve construction to insure proper specification in design of plumbing systems
- ❖ Learn about service conditions and the role these conditions play in designing efficient plumbing systems
- ❖ Learn about valve selection for different applications within a plumbing system

Presenter: **Aaron Kilburg** is the NIBCO Commercial Sales Manager – Midwest, and has been with NIBCO for 3 years. Aaron works with MEP engineers to be a resource for valve and press products, as well as generating demand for engineered products with mechanical, plumbing, and fire protection contractors. Aaron is based out of Chicago, and covers the states of Illinois, Wisconsin, Michigan, Indiana, Kentucky and Ohio. Mr. Kilburg is a graduate of the University of Illinois.

## OCTOBER TECHNICAL PROGRAM

6:00-7:00 PM

### TOPIC: **IPC Code Changes 2015/2018/2021**



*Bill Grayzar*

Codes are vital for ensuring that systems will operate safely to protect the health of the users, as well as the environment, by providing standard methods of design and construction that are enforceable by Code Officials. One of the functions of ASPE is to regularly review the model Plumbing codes and propose modifications and updates to keep the codes current and applicable with industry changes and innovations. In this session we will review

the upcoming changes in both the 2018 IPC and the 2021 IPC and explore some of the rationale behind why these changes are being made.

Presenter: **William A. Grayzar**, CPD, GPD - Mr. Grayzar is a past president of the Eastern Michigan Chapter of ASPE and currently serves as the chapters V.P. Legislative. He has over 35 years of experience in architecture and engineering. Employed with DiClemente Siegel Design Inc. for over 20 years, Bill continues to enhance his system engineering skills through additional vocational field training. Bill has an excellent working knowledge of Michigan's current building codes and regulations. Bill holds an Associate's Degree of Architectural Technology from Delta College and certifications in Plumbing Design and Green Plumbing Design from ASPE. Bill is active with the National Society of ASPE serving on numerous committees. Bill also serves as the current President of the Code Study and Development Group of Southeast Michigan and is a member of National Fire Protection Association. Bill received the Michigan Chapter of ASPE award as Engineer of the Year in 2013.

## **About Registration and CEUs:**

If you are attending virtually: there is a link to register via the ASPE Education page. Please follow all directions. Using this platform for virtual meetings allows us to streamline the CEU process. So all attendees that plan to join virtually, need to register via the corresponding ASPE Education link. Our meetings will also be listed on the ASPE Education calendar, so you can find registration info there as well. <https://education.aspe.org/>

If you will attend in person (when we can offer this option): You will need to register using an Eventbrite link that will be in the email. This allows us to know how many people we can expect in person. Thus, allowing us to make sure we maintain the indoor gathering limits imposed by the Governor, and also order enough food for all. For those that attend in person, we will still require sign in/sign out sheets and your CEUs will be submitted to national within 1 week of our event. It may take up to another 2 weeks for the CEUs to show in your ASPE Education log. The PISC does have guest protocols we will have to obey in order to meet there, so please follow all posted signage and procedures.



## IN THE KNOW

### NEW CODE BOOK ORDER FORM

Please use the most current book order form from the Code Study & Development Group found in this newsletter. Contact Mr. Dann Holmes with questions at [dholmes@nsf.org](mailto:dholmes@nsf.org) or (734) 214-6222

### TABLE TOP SPONSORSHIP PRICING

ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

Non-Members

- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.



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# VP Legislative Report

William Grayzar, CPD



## Deadline for the 2024 International Codes is fast approaching:

The deadline to submit code changes to the 2024 International Code – Group “A” Codes is January 11, 2021. The Group “A” Codes include; the International Building Code - Egress (**IBC-E**) (Chapters 10 and 11), International Building Code – Fire Safety (**IBC-FS**) (Chapters 7, 8, 9 partial, 14 and 16), International Building Code – General (**IBC-G**) (Chapters 3, 4, 5, 6, 12, 13, 27, 28, 29, 30, 31, 32 and 33), International Fire Code (**IFC**), International Fuel Gas Code (**IFGC**), International Mechanical Code (**IMC**), International Plumbing Code (**IPC**), International Property maintenance Code (**IPMC**), International Private Sewage Disposal Code (**IPSDC**), International Residential Code- Mechanical (**IRC-M**) (Chapters 12 through 23), International Residential Code – Plumbing (**IRC-P**) (Chapters 25 through 33), International Swimming Pool & Spa Code (**ISPSC**), International Wildland -Urban Interface Code (**IWUIC**) and the International Zoning Code (**IZC**).

Proposed code changes will be posted the International Code Council website ([iccsafe.org](http://iccsafe.org)) on March 1, 2021. Committee Action Hearings (CAH) will be held April 11-21, 2021 at the Riverside Convention Center in Rochester NY. Public Comment Hearings (PCH) will be held September 22 through 29, 2021 at the David L. Lawrence Convention Center in Pittsburgh, PA. I intend to be present at these hearings.

The Eastern Michigan Chapter of ASPE (EMC-ASPE), the National Society of ASPE and the Code Study Development Group of Southeastern Michigan (CSDGSM) will also be represented at the Code hearings. These organizations will also be preparing and reviewing proposed code changes over the course of the next few months, prior to the hearings and the January 11, 2021 deadline.

If you are aware of an area in the code that requires an update or modification, please feel free to reach out to me or any of the organizations listed above. The National Society of ASPE also has resources to help with preparing a proposed code change and if the National Society agrees with the proposed update or modification, they may even choose to support the proposed code change. You can check out the National Society of ASPE website ([aspe.org](http://aspe.org)) or contact any of the EMC-ASPE board members for more information on preparing a code change.

If you would like to learn more about EMC-ASPE or CSDGSM, please feel free to contact me. I look forward to hearing from you.

Regards,

*Bill*

William Grayzar

*President of CSDGSM*

*V.P. Legislative board member EMC-ASPE*

*National Society Legislative Committee Member*



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# VP Technical Report

Theresa Card, P.E., CPD, LEED AP BD+C



Hello from your VP Tech!

I hope you were able to join us for our first meeting. Although it was virtual – we had 2 fantastic presentations! We will be attempting to host in-person/hybrid meetings this year, but it all depends on the Governor’s Orders and CDC Guidelines. Please always check your email and our website for the most up to

date information on our Programs: <https://www.aspe.org/eastern-michigan/program.html>

How to register for meetings this year? Look to your email! Given the nature of how we need to register differently for different meeting attendance types – I will be sending all meeting notices from the ASPE EMC VPT gmail account. There will be two options/links within each email:

- If you are attending virtually there is a link to register via the ASPE Education page. Please follow all directions. Using this platform for virtual meetings allows us to streamline the CEU process. So all attendees that plan to join virtually, need to register via the corresponding ASPE Education link. Our meetings will also be listed on the ASPE Education calendar, so you can find registration info there as well. <https://education.aspe.org/>
- If you will attend in person (when we can offer this option): You will need to register using an Eventbrite link that will be in the email. This allows us to know how many people we can expect in person. Thus, allowing us to make sure we maintain the indoor gathering limits imposed by the Governor, and also order enough food for all. For those that attend in person, we will still require sign in/sign out sheets and your CEUs will be submitted to national within 1 week of our event. It may take up to another 2 weeks for the CEUs to show in your ASPE Education log. The PITC does have guest protocols we will have to obey in order to meet there, so please follow all posted signage and procedures.

We hope you can all be patient with us as we try to provide multiple options for our members to attend our meetings. One of ASPE’s greatest benefits is the lasting connections and camaraderie we develop, so we all sincerely hope to be able to meet in person this next Program Year, at some point.

We will offer to send all EMC members copies of the presentations in pdf format, and we are planning on recording all our meetings and posting them...somewhere, for your access if you are unable to make the meetings. Stay tuned!

Now, for those that missed September’s meeting, Bill Grayzar kicked us off with a very in-depth, but student friendly presentation on “Plumbing 101 – Pipe Sizing.” Bill gave us an

overview of what plumbing is, types of plumbing systems and then went into domestic water systems: fixtures and piping. Finally, he ended with domestic water system sizing; touching on pressure requirements and how to properly estimate building demand load (according to current codes). One great point that Bill brought up was how in the Michigan Plumbing Code, an ASSE 1070 mixing valve is required on each hand washing fixture; so you can’t use one valve to serve multiple fixtures, even though those products are available. Thank you, Bill! And we look forward to your presentation next month!

Our second speaker of the evening was Dan Cole, Senior Director of Technical Services of IAPMO. He spoke to us on Hunter’s Curve and how IAPMO is helping bring the traditional method of estimating water demand into the 21st Century. I imagine by now you have all heard/seen how the water fixture unit method leads to grossly oversized piping, due to the age when Hunter developed his curves and how fixture water volume rates have changed since then. Dan took us into a relatively shallow dive into the statistics and math behind it all! I can’t possibly recant all of Dan’s presentation here, but some main points I took away were:

- WSFU (water supply fixture units) and DFUs (drainage fixture units) are different! Hunter started with DFUs, which actually correlate to cubic feet per minute of flow rate from a fixture, on a scale of 1 to 6 with (1) DFU being approximately 7.5gpm fixture flow rate.
- In 1940, Hunter started on WSFUs and binomial distribution.
  - o When coming up with these numbers, Hunter assumed a congested use of the fixtures; but he didn’t have actual end use data and “congested” was meant to be when there is a line for the restroom – so fixtures are almost constantly in use. So very applicable for Stadiums...but not very applicable for Office or Residential applications.
- In 1994, Robert Wistort developed an algorithm for ‘Zone C’ type buildings – which are large buildings, that calculated flow at the 99th percentile and gave a good approximation to calculate the demand for fixtures directly, vs Hunter’s Curves.
- There is also a Modified Wistort Method (zero-truncated binomial distribution) for Residential End Uses in Zone B classification, which is geared more toward medium size buildings/multi-family dwellings. This is a great way to get more real life demand numbers – but does assume residential end use, uncongested use of fixtures (no line) and efficient fixtures.
  - o In one example, hunter’s Curve would yield a demand of 120 gpm, Wistort’s original equation would yield 120 gpm, but the Modified Wistort’s equation yields a demand of 12.4 gpm! 12.4 vs 120! Big difference!

- Zone A classified use is more for a single family home. And IAPMO has developed a water demand calculator for these type of buildings that has used the Modified Wistort's and exhaustive enumeration to yield far more accurate demand numbers than the old Hunter's Curve fixture unit method. <https://www.iapmo.org/water-demand-calculator/>
- In this new demand calculator – for an example building, the calculator showed a demand of 15 gpm, the old code methods would give you anywhere from 40 gm to 80 gpm! Actual measured data showed a demand of 11 gpm- so their calculator really works and more accurately predicts peak demand flow! Imagine how this could change you water heater sizing, booster pump sizing, pipe sizing! But hold on...the calculator is only applicable for residential uses. Refer to the IAPMO site for more information.
- Obviously, the next question we all wanted to know is: so, when will there be a calculator for other end uses? Commercial? Well, there isn't data available yet. NIST does have a grant to start gathering data – but a timeline for when we could expect another calculator is TBD.
- But for now, if you have a residential project – check out the calculator. Most codes, even the MPC, do have a section allowing for an engineered design method to be used for sizing. You should get approval from your AHJ- and if you are working in a UPC territory, this calculator is approved.

Another fun fact I learned from our September meeting was that approximately ¼ of Michigan buildings are serve by wells! I know my house is on a well, and we have a new school we are designing that will be on well water – but I didn't think it was that common here!

Sincerely,

Theresa Card

[Vpt.aspe.emc@gmail.com](mailto:Vpt.aspe.emc@gmail.com)

Become a mentee or mentor through ASPE. Follow below link for more information or contact an ASPE EMC Board Member.

<https://connect.aspe.org/aspe-mentor-match/mentoring>



**ASPE Announces**  
**The Women of ASPE** The mission of the new Women of ASPE (WOA) special-interest group is to **engage, retain, and advance** women in the plumbing design industry through education, leadership development, and networking opportunities. It is open to women who have an active membership with the American Society of Plumbing Engineers. Some of the activities include:

- Mentoring programs
- Membership growth outreach efforts
- Fostering partnerships with industry-related associations
- Various educational offerings



# VP Membership Report

**Kristin Simoneaux, P.E., CPD, LEED**



Happy Fall everyone! I hope you are all staying healthy and enjoying the Fall season. We have had a fair amount of interest in our new student member sponsorships. So far LTU students are in the lead of taking advantage of our new offer. Just a reminder, our chapter is offering a

free 1-year student membership to eligible students (up to 10 this 2020-2021 season and they are disappearing quickly). In exchange for the free membership, we request the student give feedback on their experience (through either a short interview or writing their own newsletter article) within the first few months of their new membership. If you know of a student that has been contemplating membership, please send them my way!

Did you know you can get a **discount when you renew your membership?** Renewing for multiple years at a time can save you \$\$\$. If you renew for two years you will receive a 5% discount. If you renew for 3 years you will receive a 10% discount.

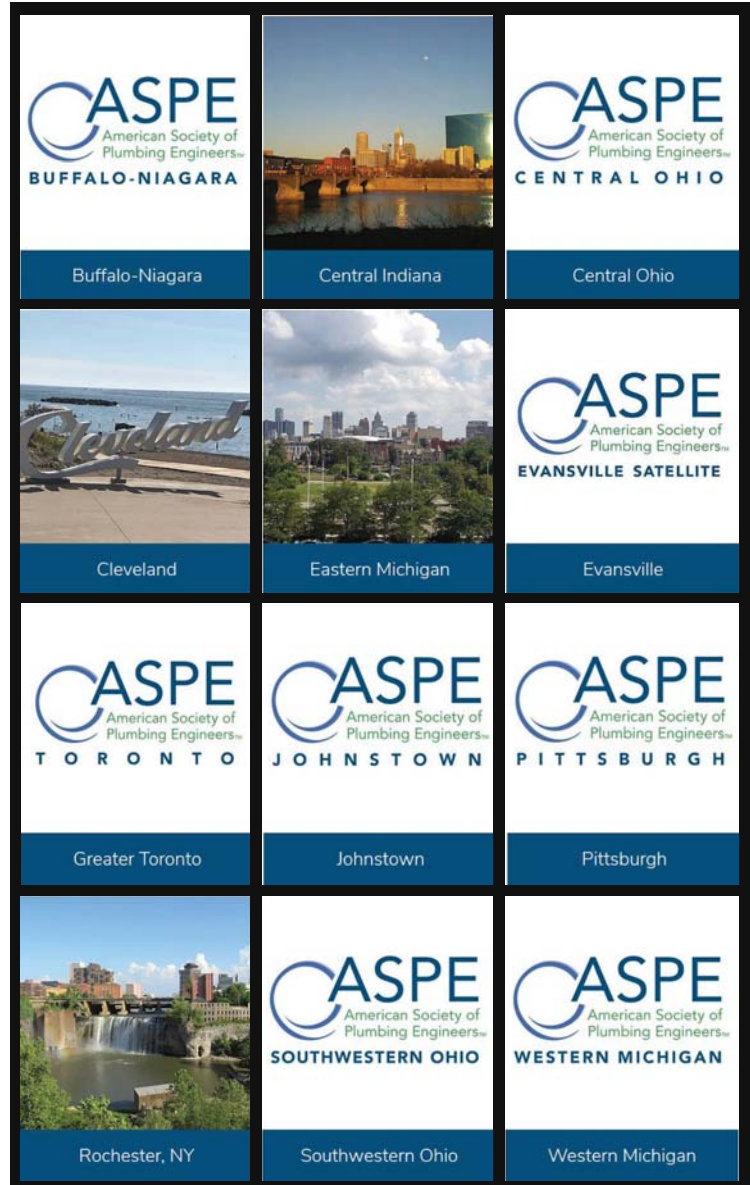
First year members: renew early and save! If you renew by the eighth month of your membership, you may receive reduced dues for your second year. Those eligible are members who joined after July 1, 2018. Funds are only available for the first 125 members per quarter.

Ever want to be a part of more than one ASPE chapter? We can make that happen!! Once you become a member and choose your home chapter (standard dues rate of \$190), you can join additional chapters (as many as you wish) for only \$80 per chapter. Region 2 chapters are indicated below but we have many beyond what is listed here: <https://www.aspe.org/membership-global-community/chapters/>. Members can serve on the Board of directors for any of the chapters they join. If you are interested in pursuing this option, please contact me and I can walk you through the process.

Until we meet again, stay healthy!

**Kristin** Simoneaux, P.E., CPD, LEED AP  
Associate / Senior Mechanical Engineer  
Direct: (248)336-4760  
[ksimoneaux@stantec.com](mailto:ksimoneaux@stantec.com)

## REGION 2 CHAPTERS:





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# Affiliate Liaison Report

## Dann Holmes, ASPE Region 2



### The Times They Are A-Changin’

Many things have happened since my September ASPE article. Let’s get to them...

### Region 2 Director

The first-ever ASPE Virtual Business meeting took place via Zoom on Saturday, September 12, 2020.

Elections and By-Laws were two of the main items on the agenda. Both will have lasting effects on our region. We expect the results will be good.

**Keith Bush, CPD, CSI, GPD** has stepped down as our Region 2 Director after serving with honor and distinction since 2014. Prior to R2D... (don’t say it!), Keith served multiple roles for the ASPE Cleveland Chapter including President, VP Tech, and VP Legislative. Keith has been active on many ASPE committees too. I hope to interview Keith for a future, in-depth article.

**Steve Kormanik, CPD, GPD** was elected our new Region 2 Director via a first-time, online, electronic voting process due to CoVID-19 and the cancellation of the planned face-to-face meeting in New Orleans. Steve brings a wealth of ASPE knowledge with him. This year would be his 20th President’s meeting and 11th consecutive ASPE convention as a delegate for the Johnstown Chapter. He has 35 years’ experience in the plumbing industry, and I believe he has held just about every board position possible in the Johnstown Chapter. I hope to interview Steve for a future, in-depth article too.

I first became Region 2 Affiliate Liaison under the leadership of **Chris Graham, CPD**. This is an appointed position within ASPE and the individual serves at the pleasure of the current Region Director. I was honored when Keith Bush asked me to be his R2AL and remain in the position throughout his term. I was humbled when Steve Kormanik reached out to me and asked if I would consider the position once again under his leadership. I accepted with gratefulness. I hope the rest of our ASPE members in Region 2 are not disappointed with me staying on.

Region 2 is well represented on the Board of Directors once again and we are proud to have **Brianne Hall, P.E., CPD, GGP, LEED AP BD+C** as our Vice President, Legislative.

### PM Engineer Magazine – ‘Engineer of the Year’

Congratulations to **Theresa Card, PE, CPD, GPD, LEED AP** from the Eastern Michigan Chapter. She is the past President, current VP Technical, AYP Region 2 Liaison, and WOA Region 2 Committee member. You can read the full interview with her on the [www.pmengineer.com](http://www.pmengineer.com) website or find it in your email inbox. This is another in-depth article I would like to write, as time permits. Maybe I should consider a “special edition”?

I would be remiss if I didn’t include **Gwynne Morrison, CPD, GPD, LEED AP** from the Buffalo-Niagara Chapter in this article too. She ran an honorable campaign against Steve for the Region 2 Directors’ position and continues to be a very active member in the WOA and on other ASPE committees. Thank you, Gwynne. Again, I need to interview her. Whew, plenty for me to do.

### 2020 ASPE Membership and Chapter Awards

Congratulations go out to **Gregory Farmer, P.E.** from the Evansville Satellite Chapter for the Award of Merit.

Region 2 Chapter Award of Merit go to the **Central Ohio Chapter; Cleveland Chapter; Eastern Michigan Chapter,** and the **Southwestern Ohio Chapter.**

The Chapter Membership Retention Award and the Chapter Humanitarian Award goes out to the **Johnstown Chapter.**

**David Dexter, P.E., FNSPE, FASPE, CPD, LEED AP BD+C** was presented the George W. Runkle Award of Merit “For dedication and inspired service to the advancement of the ideals and goals of the Society”

Last, but certainly not least, we must congratulate both **McWane, Inc.,** and **QuantumFlo** for their ASPE Industry Award. I’m telling you, REGION 2 ROCKS!

Dann Holmes

ASPE Region 2 Affiliate Liaison  
NSF International – [r2al@aspe.org](mailto:r2al@aspe.org)





## ASPE Congratulates the 2020 Society-Level Award Recipients

We are pleased to announce the following recipients of ASPE's 2020 Society Awards.

**George W. Runkle Award of Merit: David Dexter, FNSPE, FASPE, CPD, LEED AP BD+C, PE**

*For dedication and inspired service to the advancement of the ideals and goals of the Society*

**Edward W. Saltzberg Distinguished Service Award: David E. DeBord, FASPE, CPD, GPD, LEED AP BD+C, ARCSA-AP**

*For dedication and outstanding contributions to the Society and the profession*

**Donald F. Dickerson Founder's Award: Joseph V. Messina, CPD, FASPE**

*For his lifetime achievements, dedication, and the promotion of the Society, its mission, and the profession*

**Peter E. Warshaw Service Award: Kurt J. Bramstedt**

*For dedication, unflinching spirit, and outstanding support and service contributions on behalf of the Society and the profession*

**Kenneth G. Wentink Award of Excellence: David G. Clark, PE**

*For his commitment, dedication, and inspired service toward the advancement of ideals and goals of the Society*

**ASPE Industry Award: McWane, Inc., and QuantumFlo**

*For outstanding service to the advancement of plumbing engineering technology*

**Chapter Humanitarian Award: Johnstown Chapter and West Coast Florida Chapter**

*For Commitment, Service, and Outstanding Contributions in Their Humanitarian Efforts and Public Service*



## Announcing the 2020 ASPE Membership and Chapter Award Recipients

ASPE congratulates the following recipients of the 2020 ASPE Membership Awards:

- **Award of Merit:** Gregory Farmer, PE, and John C. Neal, CPD
- **Special Award of Achievement:** Douglas Nelson, PE, GPD, and Stephanie I. Radel, CPD, GPD
- **Special Award of Appreciation:** Linda M. Deunay, Robert J. Shorey, Jr., CPD, GPD, FASPE, and Lisa Sprague, CM-BIM

We also congratulate the following Chapters for their achievement in obtaining the Chapter Award of Merit, Membership Growth Award, Membership Retention Award, and Board of Directors Chapter Award.

### Chapter Award of Merit

- **Region 1:** Baltimore Chapter, Boston Chapter, Hampton Roads Chapter, Montreal Chapter, New York City Chapter, Philadelphia Chapter, Richmond Chapter, Washington, D.C. Chapter
- **Region 2:** Central Ohio Chapter, Cleveland Chapter, Eastern Michigan Chapter, Southwestern Ohio Chapter
- **Region 3:** Alabama Chapter, Central Florida Chapter, Miami Chapter
- **Region 4:** British Columbia Chapter, Phoenix Chapter
- **Region 5:** Dallas/Ft. Worth Chapter, Houston Chapter, Minnesota Chapter, Oklahoma Chapter, Wisconsin Chapter

### Chapter Membership Growth Award

- **Chapters with 99 members or less:** East Tennessee Chapter, Oklahoma Chapter, Omaha Chapter
- **Chapters with 100 members or more:** Dallas/Ft. Worth Chapter, San Francisco Chapter, Seattle Chapter

### Chapter Membership Retention Award

- Johnstown Chapter, Oklahoma Chapter, Omaha Chapter

### Board of Directors Chapter Award

- Central Florida Chapter





### **CPDT - 2020 EXAM DATES:**

The exam is held annually in the Fall.

2020 CPDT Exam dates: October 5 - 18, 2020 held via remote proctor. For more info go to:

<https://www.aspe.org/education-credentialing/cpdt/>

**CPD - 2020 EXAM DATES:** The 2021 CPD Exam will be held via remote proctor from April 5 - 18, 2021. Read more about the postponed 2020 CPD Exam due to COVID-19 at:

<https://www.aspe.org/cpdexamcovid19/>



**December 1-3, 2020 | A DIGITAL Experience**

**ASPE IS GOING ALL DIGITAL FOR THE UPCOMING 2020 CONVENTION & EXPO!**

**Follow the below link for more information:**

<https://expo.aspe.org/about-aspe-convention-expo/>



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## Plumbing Designer

GMB is currently seeking a full time, direct hire Plumbing Designer for our Royal Oak Office. The Plumbing Designer is responsible for leading GMB's design teams in the design of domestic plumbing systems.

### What it is like to work here:

We're unique. Sure, every firm says that, but we *know* what makes us unique. We constantly develop well-rounded professionals who become the best at what they do. Our Team of Teams approach provides a linkage between all employees that gives us the ability to think and act as a unit and as we grow allow new employees to be successful at a rapid pace.

At our core we deeply value talent development and opportunities for growth. We continue to build a culture of empowering our employees, giving them opportunities to be the best they can be within a variety of communities, both internal and external, so that we all learn, grow, and give. Whether you come join us in our Michigan offices of Holland, Grand Rapids and Royal Oak or Indianapolis, Indiana, your opportunities are as limitless as your imagination. Come be a part of designing the future.

### What you will get to do:

- Utilize your expertise to support GMB with the design of complex plumbing systems.
- Prepare construction documents using Revit.
- Design domestic water, storm water, sanitary drain, waste and vent systems, fuel systems, medical gas systems, and laboratory gas systems.
- Prepare documents and calculations for the LEED certification process.
- Coordinate design efforts working closely with our project teams, clients, and building owners.
- Produce one-line diagrams/schematics, hydraulic calculations of plumbing systems, and calculations in the sizing of plumbing systems and equipment selection.
- Ensure that all drawings are prepared with accuracy, neatness and speed.
- Communicate with team members, other disciplines and outside vendors to obtain necessary information for designs and drawings.
- Assist the design team in the process of assembling organized sets of drawings.
- May assist in data collection and/or field verification, and work in conjunction with our teams of engineers to help develop all aspects of a project.

### What are some of the requirements to work for us?

- 5+ years of plumbing design experience.
- Prior experience implementing designs through construction.
- Demonstrated ability to create 3D models, focusing on Plumbing but with the ability to coordinate with all disciplines.
- Ability to manage design of multiple projects/deadlines simultaneously.
- Must possess a technical knowledge base with desire to learn, lead, and grow.
- Must be able and willing to travel locally for field work at client sites.





**What might set you apart from other candidates?**

- Associates or Bachelor's degree in Plumbing Design / Engineering (or degree related to HVAC Design or Mechanical Engineering) is preferred.
- Proven ability to prioritize effectively, have good follow-through, and practice self-implemented quality control measures.
- CPD certification is a plus.
- Ability to design automatic fire suppression systems.
- Plumbing design experience in A/E firm preferred.
- Proficiency with Autodesk Revit.
- A passion for plumbing design.

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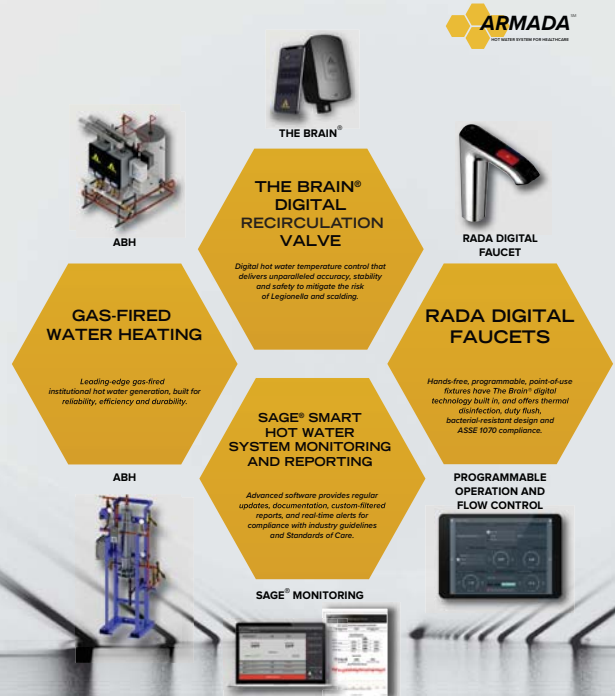


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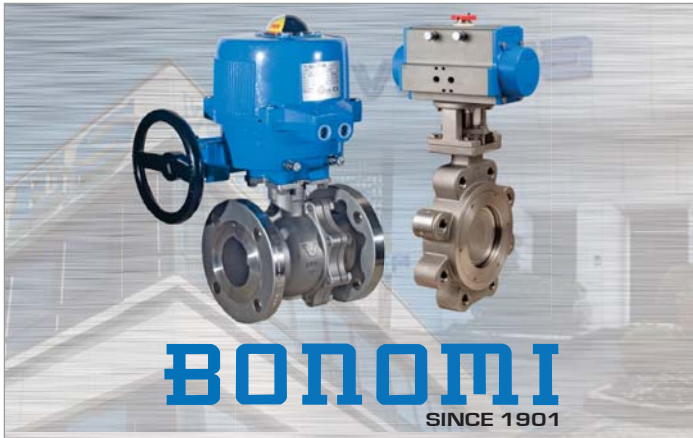


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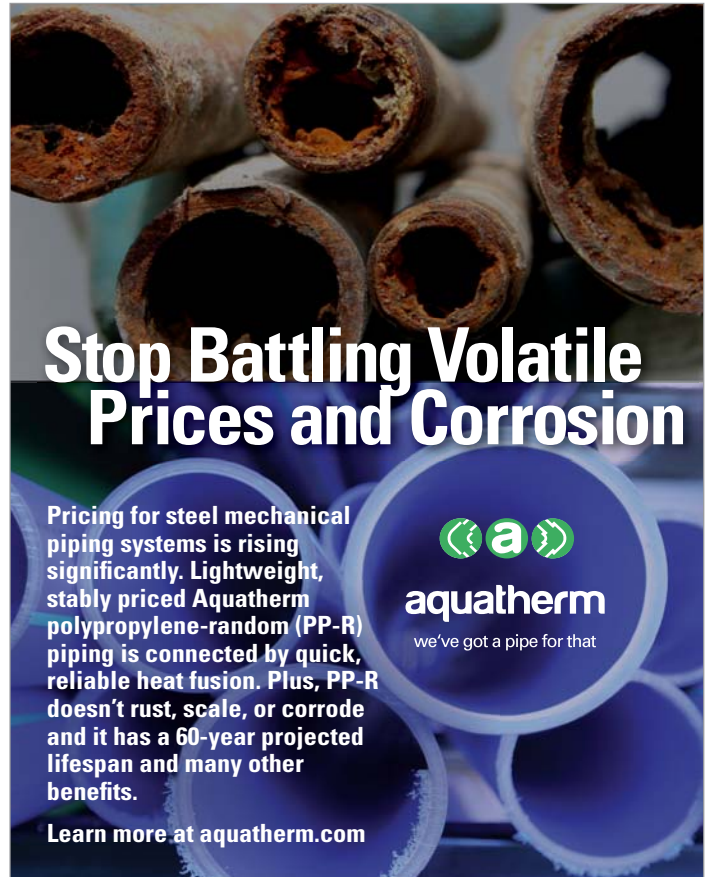
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# ASPE Mentoring Program

The Women of ASPE are excited to introduce ASPE's new Mentoring 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

[aspe.org/aspe-mentoring-program](http://aspe.org/aspe-mentoring-program)





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