

Chapters are not authorized to speak for the Society, the views and opinions of this Chapter are those of the respective authors and do not necessarily reflect the official policy or position of the Society or its staff.



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November 2023

TOPIC: VALUE ENGINEERING

PRESENTER: TOM SHARP - CHARLOTTE PIPE

HOSTED BY: RICHMOND MARKETING INC

**WHEN: WED., NOVEMBER 8th
11:45 am - 1:30 pm**

**WHERE: THE CULTURAL ARTS CENTER AT GLEN ALLEN
(The Dogwood Salon)
2880 Mountain Rd, Glen Allen, VA 23060**

VIA ZOOM MEETING @

<https://moseleyarch.zoom.us/j/83922360996>

(highlight web address then right click & select Go To...)

Check out our website @ <https://richmond-aspe.com/>

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Eric Geisendaffer - Bay Associates
eric@bayassociates.com

GREETINGS FROM THE PRESIDENT

President's Message...

A bit early, but since the next time you'll receive a newsletter will be early December, Happy early Thanksgiving! The back-to-back stretch of holidays are fast approaching and I hope that everyone has a chance to use this time to recharge and spend some time with family and friends.

If you can attend our meeting in-person, please try and do so as we are contracted and paying for the room regardless of how many people are in-person or remote. Please be sure to sign-up for the meeting using the Signup Genius link, as we are using that to keep track of how many people will be attending for catering purposes.

<https://www.signupgenius.com/go/70a044fada822a3fd0-lunch#/>

*I look forward to seeing everyone, **Wednesday November 8th** at the Glen Allen Cultural Arts Center. If you need the virtual zoom meeting invitation please let me know and I'll get it to you as soon as possible.*

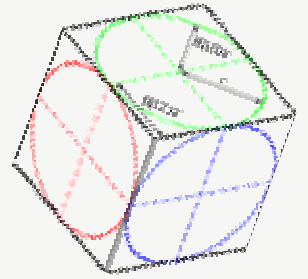
As always, if you have any questions, comments or concerns, please do not hesitate to reach out to me or anyone on the board.



**JOSHUA H. LANDIS, CPD
PRESIDENT, ASPE RICHMOND CHAPTER**

TECHNICAL SCHEDULE

Presentation Lineup



- **December 13th 2023**
 - Scott Gregg - Harry Eklof and Associates
 - TBD
- **January 10th 2024**
 - Scott Gregg - Harry Eklof and Associates
 - TBD
- **February 14th 2024**
 - Cydney Johnstone - The Joyce Agency
 - TBD
- **March 13th 2024**
 - Cameron Ross - MIFAB
 - Siphonic Roof Drains
- **April 10th 2024**
 - Jourdan Merritt - American Bath Group
 - Building Codes & Bathing Solutions
 - Designing Compliant Showers & Tubs
- **May 8th 2024**
 - Cydney Johnstone - The Joyce Agency
 - TBD

VP MEMBERSHIP - ROB GRUBBS

It's never too late to join ASPE! The monthly meetings are just one of the advantages to becoming a member. Current members, please encourage your colleagues to attend our monthly meetings and consider joining the ASPE family. Visit <https://www.aspe.org/join> for more information.



WELCOME NEW MEMBERS

No new members to share this month.
Remember to encourage your colleagues
to join our Chapter family!

LET'S CELEBRATE!



BIRTHDAYS

Marie Slagle	11/7
Troy Monteith	11/14
Shawn Shearin	11/18
Randall Merkel	11/26

ASPE-VERSARIES

Kevin Sherlock	11/10/1980
Vic Hines	11/9/1994
Marie Slagle	11/13/2014
Michael McCarthy	11/3/2017
Brandon Miller	11/6/2019
Michael Saweikis	11/16/2020
Douglas Bellows	11/24/2021
Nathan Howell	11/10/2022

VP MEMBERSHIP - ROB GRUBBS

ASPE'S MENTOR MATCH CAN HELP YOU ESTABLISH LASTING CONNECTIONS!



ASPE's Mentor Match Can Help You Establish Lasting Connections

According to *Fortune* magazine, workers with mentors say they get promoted faster and are happier on the job, but less than half of young professionals report having a mentor in their profession.

Mentoring relationships are a valuable two-way exchange of ideas and insights. For a young professional, a mentor can be a sounding board for project challenges or questions about your career path. Mentors also benefit by sharing their experience as well as forming new connections within the industry.

However, the rise of remote work has made it more difficult for young professionals to identify the right people to be forging relationships with and has also impacted how comfortable they feel reaching out at all.

ASPE's Mentor Match is here to help!

Our Mentor Match program helps ASPE members easily make connections that can have an impactful and lasting effect on their careers. This unique online networking and career development tool helps you find, connect, and share experiences with others, and we've recently revamped the program to include more resources and a mentor community to help you be successful.

Are you ready to make a connection?

We have opened enrollment for both mentors and mentees for the 2024 cycle, and we encourage ASPE members at all career levels to participate in either role.

Step 1 — Visit [ASPE Connect](#) and make sure your profile is complete. Verify your contact information and expand on your bio, education, and job history. Having a complete and accurate profile is crucial to the success of selection and matching.

Step 2 — Enroll as a [mentor](#), [mentee](#), or both. Make selections for each of the program demographics to set your preferences to make it easier to find the best matches.

Step 3 — Use the [Mentor Directory](#) or [Mentee Directory](#) to search for a match.

If you don't find a match right away, keep checking the directories as more and more members sign up through the end of the year.

Questions?

Visit the [Mentor Match FAQs](#) for more information.

Hey Young Professionals!

REGION 1 AYP PRESENTS:

Rainwater Harvesting 101

presented by

RUSS JACKSON



WHO

THIS WEBINAR IS OPEN TO ALL REGION 1 ASPE YOUNG PROFESSIONALS

WHAT

1. BASIC PRINCIPLES
2. CURRENT TECHNOLOGIES
3. RELATED PRACTICES
4. COMMERCIAL SYSTEMS

WHEN

WEDNESDAY
DECEMBER 13, 2023
12-1PM EST

REGISTER

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

Russ Jackson acts as the Sales General Manager of RainHarvest Systems. Russ is a 15 year veteran of the water harvesting and reuse industry, and a 25 year veteran of the commercial construction industry. RainHarvest is a manufacturer of water pumping and treatment systems as well as the largest supplier of rainwater harvesting specific components and systems in North America. During his career, Russ has served on the committee that created the ICC/CSA 805 Rainwater Harvest Systems Standard, served on many related committees, including co-chair of the End Use Water Quality Task Force for the ICC/CSA 805 Rainwater Harvesting Systems Committee. He co-authored the Atlanta Potable Rainwater Ordinance, and has served on hundreds of rainwater harvest projects across the Americas.

INDUSTRY OPPORTUNITIES



Are you a skilled and enthusiastic Mechanical Estimator ready to take on exciting construction projects? Join our dynamic team at Warwick Mechanical Group as we seek a detail-oriented professional to play a vital role in estimating costs for mechanical systems and contribute to our project success! As an Estimator, you will be at the forefront of project planning, providing accurate cost estimates and collaborating with diverse stakeholders. If you have a passion for precision, love working with cutting-edge mechanical systems, and thrive in a collaborative environment, this is the perfect opportunity for you!

Responsibilities:

1. **Project Assessment:** Dive into project plans, specifications, and requirements to unlock the potential of each mechanical system needed.
2. **Cost Estimation:** Unleash your expertise in mechanical, HVAC, and plumbing systems, equipment, materials, and labor to prepare precise cost estimates that exceed expectations.
3. **Quantitative Analysis:** Masterfully analyze blueprints, drawings, and project documentation to determine the ideal quantities and specifications of materials and labor required.
4. **Vendor and Supplier Interaction:** Forge strong relationships with vendors and suppliers to secure the best pricing and availability for top-notch mechanical components and materials.
5. **Proposal Development:** Create comprehensive proposals that demonstrate the value of your cost estimates, specifications, and project understanding.
6. **Cost Optimization:** Unleash your creativity by identifying cost-saving opportunities that maintain quality and performance through alternative materials, systems, or construction methods.
7. **Project Coordination:** Collaborate seamlessly with project managers, engineers, and stakeholders, ensuring your cost estimates align with project objectives.
8. **Documentation and Reporting:** Showcase your attention to detail by maintaining accurate records of cost estimates, assumptions, and supporting documentation. Prepare reports and presentations.
9. **Industry Knowledge:** Stay ahead of the curve by embracing the latest industry trends, advancements, and best practices related to mechanical systems and cost estimation methodologies.

Requirements:

1. **Experience and Education:** Previous experience as an Estimator in HVAC, Plumbing & Mechanical Piping or in a similar role is highly desirable. A Bachelor's degree in Mechanical Engineering or a related field is a plus.
2. **Technical Skills:** Harness your solid understanding of mechanical systems, equipment, and construction practices to transform projects into triumphs. Proficiency in reading blueprints, specifications, and technical documents is a must.
3. **Analytical Abilities:** Showcase your sharp analytical and problem-solving skills, which will empower you to interpret project requirements and deliver accurate cost estimates.
4. **Attention to Detail:** Embrace your meticulous nature, ensuring every calculation and cost estimate is precise and comprehensive.

INDUSTRY OPPORTUNITIES - cont'd

5. Communication Skills: Shine in your excellent written and verbal communication skills as you connect with internal teams, clients, vendors, and suppliers.

6. Software Proficiency: Must be familiar with cost estimation software, computer-aided design (CAD) tools, and the Microsoft Office Suite.

7. Time Management: Thrive in a fast-paced environment by prioritizing tasks, managing deadlines, and working efficiently.

8. Team Player: Unleash your collaborative spirit as you work seamlessly in cross-functional teams, contributing to a harmonious and successful work environment.

Ready to bring your mechanical estimation expertise to a vibrant team? Join us as an Estimator and unlock the potential of construction projects with your passion and precision! Apply today at recruit@wphcorp.com

EEO Policy Statement

Warwick Mechanical Group provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, gender, sexual orientation, national origin, age, disability, marital status, amnesty, or status as a covered veteran in accordance with applicable federal, state and local laws. Warwick Mechanical Group complies with applicable state and local laws governing non-discrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including, but not limited to, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

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CYDNEY JOHNSTONE

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Based in the Northern Virginia - D.C. Metro area, Mike has been with Viega in Business Development calling on Engineers, Owners and Code Officials for the last 6 years.

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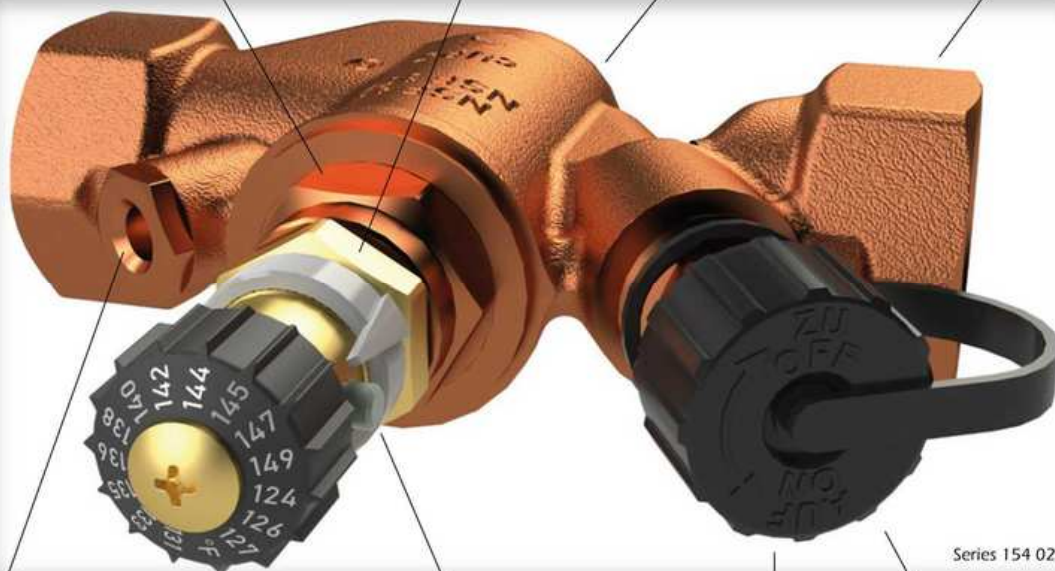
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Loss of power alert		+	+	+
Broken temperature probe alert		+	+	+
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(LIT-071)



NH-2022-06
NO HUB COUPLINGS
(LIT-044)



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POLYMER CONCRETE TRENCH DRAINS
(LIT-076)



TD-2023
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(LIT-046)



TDSD-2023
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(LIT-077)



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STAINLESS STEEL TRENCH DRAINS
(LIT-072)



ROOFGUARD-2020
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(LIT-058)



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ASPE Member \$80

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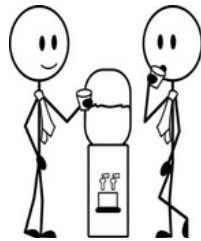
Per Year (approx. 9 meetings)

ASPE Member \$450

Non-Member \$550

TALK AROUND THE WATER COOLER...

Check-out these articles for interesting and educational topics & tools to stay up to date!



ASPE Pipeline

News for the Plumbing System Design Industry

1. PEDH 3-2023 Is Now Available

The latest updated volume in our *Plumbing Engineering Design Handbook series, Special Plumbing Systems*, can now be downloaded as a convenient eBook. All members can access the PEDH eBooks for free as a member benefit, and for those who elected to receive the softcover version as well, they will be shipped early next year. Learn more on [ASPE Pipeline](#).



2. Save the Dates!

The 2024 CPD exam will be held virtually on April 15–26, so you can take it anytime during that period. To learn more about our international credential for plumbing engineers, visit [aspe.org](#).

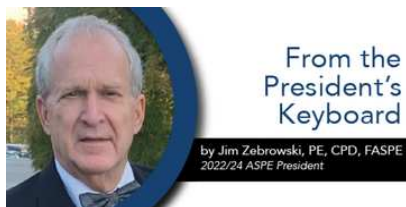


3. IAPMO® Seeks Input on Manual of Recommended Practice for Medical Gas Resiliency

IAPMO and the Medical Gas Resiliency Task Group are seeking the public's initial input for development of the Manual of Recommended Practice for Medical Gas Resiliency. On September 15, 2021, IAPMO initiated the Medical Gas Resiliency Task Group to create a manual to provide code enhanced and adoptable language for medical gas piping systems and include innovative approaches toward resiliency. Learn more on [ASPE Pipeline](#).



**BE SURE TO CHECKOUT THESE COLUMNS FOUND IN PIPELINE EXCLUSIVES SECTION:
[HTTPS://WWW.ASPE.ORG/PIPELINE/CATEGORY/PIPELINE-EXCLUSIVES/](https://www.aspe.org/pipeline/category/pipeline-exclusives/)**



From the
President's
Keyboard

by Jim Zebrowski, PE, CPD, FASPE
2022/24 ASPE President

THANK YOU TECH SYMPOSIUM PARTICIPANTS!

How can one thank those who contributed to the success of the 2023 ASPE Tech Symposium? Our President accomplishes this with aplomb in his latest column on ASPE Pipeline.



Professional
Engineer's
Perspective
November 2023

David Dexter, FNSPE, FASPE, CPD,
CPI, LEED BD+C, PE

WHERE DOES PLUMBING FIT? SOME INSIGHT ON THE PE EXAM PROCESS

Rather than being inserted into one of the mechanical engineering PE exams, Dave Dexter argues it deserves its own option where professional registration is concerned. Hear from both sides on ASPE Pipeline.



BRAIN TEASE OF THE DAY

Can a building that is only partially sprinklered still be considered fully sprinklered? This conundrum posed on ASPE Connect quickly segued into an interesting discussion among our experts.

EDUCATION STATION



REMINDER! ASPE revamped their learning platform!! The new site is education.aspe.org. All educational programs and articles have transitioned over to the new site now. If you are looking to earn CEU's and/or enhance your skills and knowledge then this is the site for you! Once in the site Sign in (top right) using your ASPE Connect credentials. If you have not activated your ASPE Connect credentials, go to this link to reset your ASPE Connect password: <https://connect.aspe.org>.

WATTS TO HOST ASPE-ACCREDITED WEBINAR ON INDUSTRIAL PIPE SOLUTIONS

Industrial Pipe Solutions: The Science Behind Making the Right Choice," an ASPE-accredited webinar worth 0.1 CEU, will be held on Tuesday, November 14, from noon to 1 p.m. EST. Visit [ASPE Pipeline Education](#) for details.



REGISTRATION IS OPEN FOR FIRE PROTECTION ENGINEERING PE EXAM REVIEW COURSE

The Society of Fire Protection Engineers (SFPE), the world's leading professional society for fire protection and fire safety engineering, announces the opening of registration for its [Principles and Practice of Engineering \(PE\) Fire Protection Exam Review Course](#). This course begins November 28, 2023 and runs through April 2024—conveniently scheduled to support candidates preparing for the Fire Protection Engineering PE Exam on April 16, 2024. Visit [ASPE Pipeline Education](#) for details.



ASPE'S NOVEMBER 2023 BOOK OF THE MONTH IS THE [ENGINEERING METHODOLOGIES TO REDUCE THE RISK OF LEGIONELLA IN PREMISE PLUMBING SYSTEMS](#).

THROUGH NOVEMBER 30, 2023, YOU CAN PURCHASE THIS FOR **25% OFF** THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **LEGIONELLA** WHEN YOU CHECK OUT.