

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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*MAY 2022*

*LAST MEETING BEFORE THE SUMMER BREAK!*

**TOPIC: PUMPS: READING CURVES, PROPERLY SIZING PER APPLICATION, BEST RANGE TO OPERATE**

**PRESENTER: ROBERTO VIDAL-GARCIA - GRUNDFOS**

**WHEN: WED., APRIL 13th  
11:45 am - 1:30 pm**

**WHERE: VIA ZOOM MEETING @**  
<https://moseleyarch.zoom.us/j/95282350445>  
(highlight web address then right click & select Go To...)

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eric@bayassociates.com

## GREETINGS FROM THE PRESIDENT

### *President's Message...*

*As we bring the 2021-2022 season to a close, I want to thank everyone for continuing to work with us and contributing to making out virtual sessions successful. We have a great chapter and get wonderful feedback on our presentations.*

*We are scheduling our next season (2022-2023) at this point and spots are beginning to fill quickly. Please reach out if you are interested in presenting. Be on the lookout for upcoming communications and invites for our meetings. I hope to begin in-person meeting again this upcoming season and we will try to maintain a virtual option for those out of state or with time constraints.*

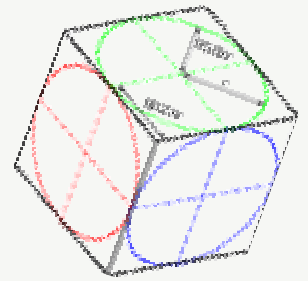
*I look forward to seeing everyone for the virtual monthly meeting, this upcoming Wednesday the 11th. If you need the virtual zoom meeting invitation please let me know and I'll get it to you as soon as possible.*

*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

**STAY TUNED FOR UPCOMING TECHNICAL PRESENTATIONS  
FOR THE 2022-2023 SEASON!**

# 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!*

*We are happy to welcome the following new members:*

No new members for this month.  
Would any of your colleagues be interested in  
joining the Richmond Chapter family?

## LET'S CELEBRATE!



### BIRTHDAYS

John Cutright	5/2
Amy Coleman	5/11
Ben Rickey	5/24

### ANNIVERSARIES

David Moore	5/15/1989
Teodora Pashova	5/16/2018
Matthew Caparrelli	5/20/2019
Christine Street	5/21/2019
Miles Johnston	5/27/2020

ASPE AYP PRESENTS

# VIRTUAL HAPPY HOUR

Join your fellow young professionals for  
some comradery and games. Alcohol and  
pants optional.

**Thursday, May 26**

**5 PM EST**

**Come and go as you please**

[Register Here](#)



# **INDUSTRY OPPORTUNITIES**

Brandt Engineering INC.

## **Plumbing Designer/Engineer – Midlothian, VA.**

A growing Richmond, Virginia Mechanical, Electrical and Plumbing firm seeking a Plumbing Designer/Engineer to manage and coordinate project design with clients.

### **Responsibilities**

Develop construction documents in both AutoCAD and REVIT. REVIT not a necessity but willing to learn. Design new/renovation projects and include sizing domestic water, sanitary, vent, storm, and gas piping systems. Design knowledge in fire protection recommended. Review shop drawings, RFI'S and coordinate with other disciplines along with attending project meetings.

### **Qualifications**

- CPD preferred.
- Four plus years of commercial plumbing design experience.
- Have a vast knowledge of the plumbing and architectural codes.
- Good communication skills to coordinate with other disciplines, architectural team members and function in a collaborative environment.
- Knowledge base in Word, EXCEL, and other related software.

### **Work Schedule/Salary**

Monday thru Friday with optional Friday work at home schedule.

Salary commensurate with experience and qualifications. Great benefits and 401K plan.

### **Contact**

David Moore CPD

(804)794-6656

# INDUSTRY OPPORTUNITIES - CONT'D



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- [Richmond - Plumbing Engineer - #4338](#) (3 - 5 years of experience)
- [Richmond - Sr. Plumbing Engineer - #4340](#) (5 - 7 years of experience)

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WSP USA (and all of its U.S. companies) is an Equal Opportunity Employer Race/Age/Color/Religion/Sex/Sexual Orientation/Gender Identity/National Origin/Disability or Protected Veteran Status.

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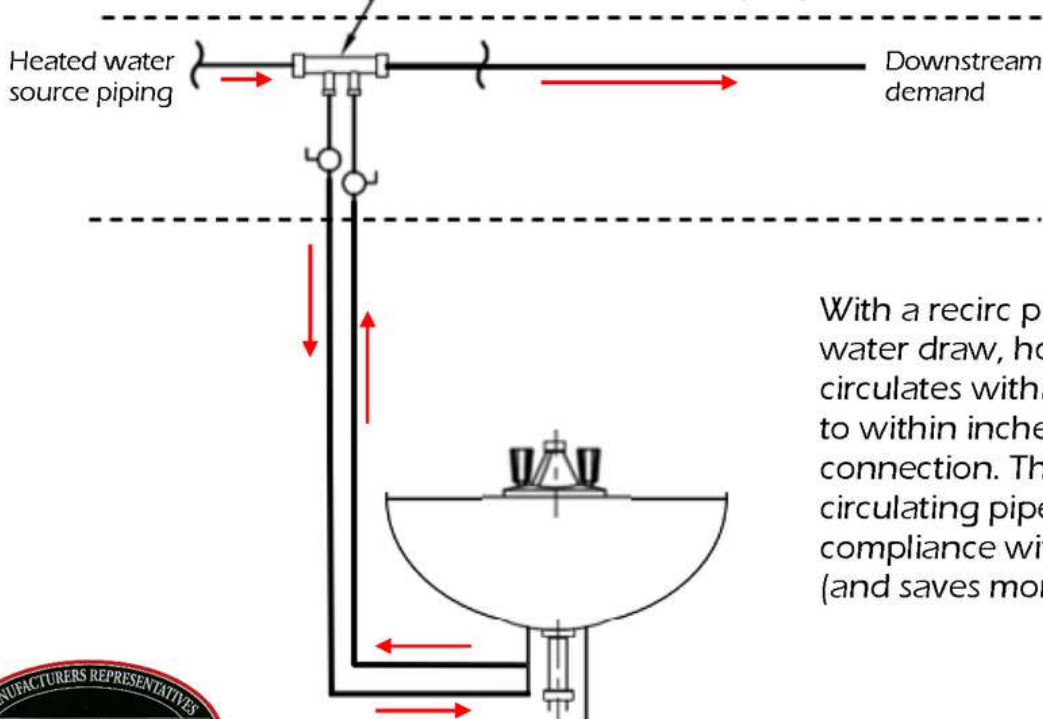
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## ASPE Design Guide Volume 4 Chapter 4

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“At no time is a booster at 100 percent flow based on Hunter’s diversity curves”

“When selecting the total flow capacity, one preferred way to evaluate the operational efficiency is to use a method that can be scientifically proven, such as the 70 percent method.”

“Tanks will typically be required when the manufacturer does not utilize low flow testing algorithms to detect low flow”

“New energy standards concede that reducing the speed of a pump during most of its operational time and restarting for makeup loads is more efficient than using tanks as “water storage batteries” during low-flow conditions.”

\*\* The above is taken from American Society of Plumbing Engineers design guide volume 4 chapter 4\*\*

Thank You for your support!



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*For more information on Schier and Grease Monkey, please contact The Joyce Agency!*

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[Mike.McCarthy@Viega.us](mailto:Mike.McCarthy@Viega.us), (571) 328-1143

Based in the Northern Virginia D.C. Metro area, Mike formerly worked for a fire protection manufacturer and was a volunteer firefighter. Mike holds a Business Degree with a specialization in entrepreneurship and brings strategic business planning to the Viega team.

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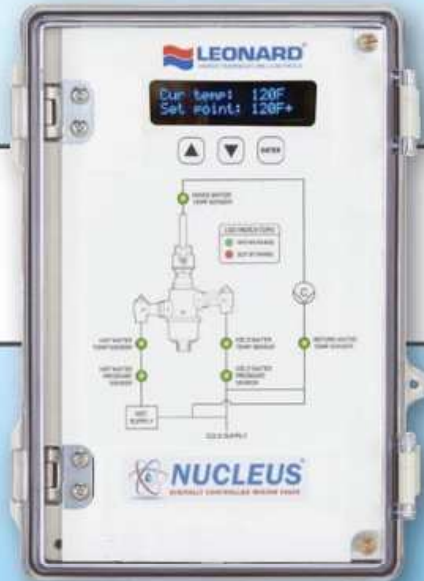
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#### **Newsletter and Webpage Advertisement Costs**

##### **Full Page Newsletter (per season)**

ASPE Member \$375

Non-Member \$450

##### **Half Page Newsletter (per season)**

ASPE Member \$275

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##### **Business Card Newsletter (per season)**

ASPE Member \$75

Non-Member \$150

#### **Meeting Tabletop Costs**

##### **Per Meeting**

ASPE Member \$80

Non-Member \$100

##### **Per Year (8-9 Meetings)**

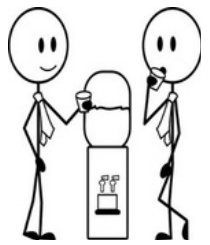
ASPE Member \$450

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# TALK AROUND THE WATER COOLER...

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

**ASPE Pipeline**  
News for the Plumbing System Design Industry



## 1. It's Time to Get Back to Business!

Registration is Open for the 2022 ASPE Convention & Expo in Indianapolis. Join thousands of your peers on September 16–21 at the only event that combines the largest tradeshow dedicated exclusively to plumbing system design products and services with a technical education program for professionals at all career levels. Register at <https://expo.aspe.org/register/>

## 2. WOA Announces Its 2022 Convention & Expo Scholarship

The Women of ASPE (WOA) Convention & Expo scholarship was created to foster the growth and professional development of women in the field of engineering. It includes a one-year membership renewal, full registration to the Convention & Expo, round-trip airfare, hotel accommodations, airport transportation, and meals. Visit [aspe.org](https://www.aspe.org) to view eligibility requirements and download the application. The deadline to apply is June 30.

## 3. ASPE Seeks Professional Engineers to Assist with PE Exam Development

ASPE, through its PEWG (Professional Engineer Working Group), is supporting the development of a Plumbing & Piping exam module to be incorporated within the NCEES Mechanical Engineering suite of Principles & Practice exams. If you are a PE who supports ASPE's goals of creating a path for professional registration and advancing the Society's image as a professional engineering society, please consider joining the process by contacting PEWG Co-Chairs David D. Dexter at [plbgagr@gmail.com](mailto:plbgagr@gmail.com) or Ronald K. Bartley at [bartleyrk@att.net](mailto:bartleyrk@att.net).

**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/)



### WATER CLOSETS 101

In the latest Pipeline Exclusive, Central Indiana Chapter member Siddharth Bhat provides insight on the types of water closets available as well as guidelines to selecting them depending on the application.



### WHAT FITTINGS ARE APPROVED?

Our experts once again shared their knowledge with a young engineer who was wondering about the approved fittings for connecting horizontal branches to vertical stacks.



### HOW ENGINEERS FIT IN THE DESIGN/BID/BUILD PROCESS

James Dipping explains how a project has a much higher chance of success when the engineer understands their responsibilities in design, bidding, and administration.

# EDUCATION STATION



REMINDER! ASPE revamped their learning platform!! The new site is [education.aspe.org](https://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>.

## JOIN WOA FOR A NEW LEADERSHIP WEBINAR ON MAY 20

Women of ASPE (WOA) is pleased to announce that Candy Barone will present a new one-hour webinar, "Leadership Is a Choice...and Everyone's Opportunity," twice on May 20 (morning and afternoon). This webinar is free for ASPE members, and registration is open on ASPE Education.



## IAPMO TO OFFER A TWO-PART WEBINAR SERIES ON THE WDC IN MAY

On May 12-13, IAPMO will host "*The Water Demand Calculator Webinar: Understanding Its Application and Benefit*," a two-part, free webinar series that will explore the application of the Water Demand Calculator (WDC) as an alternative to Hunter's Curve for estimating water supply demand for residential buildings. You can register at [iapmolearn.org](https://iapmolearn.org)



MAY 2022 BOOK OF THE MONTH IS THE DIGITAL VERSION (EBOOK) OF **ADVANCED PLUMBING TECHNOLOGY II**.

THROUGH **MAY 31, 2022**, YOU CAN PURCHASE THE EBOOK FOR **35% OFF** THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **MAYFLOWERS** WHEN YOU CHECK OUT.