

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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## MARCH 2022

**TOPIC: SMART WATER MANAGEMENT FOR IMPROVING SAFETY AND EFF. IN PREMISE PLUMBING**

**PRESENTER: EDWIN GONZALES - GEORGE FISHER  
GF PIPING SYSTEM SPECIALIST**

**WHEN: WED., MARCH 9th  
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...)**

## BOARD OF DIRECTORS:

---

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jlandis@moseleyarchitects.com

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tina.capece@masonandhanger.com

### ASPE Young Professionals Chapter Liaison

Eric Geisendaffer - Bay Associates  
eric@bayassociates.com

## GREETINGS FROM THE PRESIDENT

*President's Message....*

*Happy Early St. Patrick's Day!*

*Please be sure to keep us in mind if you or anyone you know would like to advertise job opportunities in our newsletter or present during one of our chapter meetings. We are booking next season (2022-2023) at this point and spots are beginning to fill quickly.*

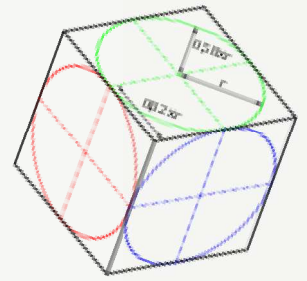
*I look forward to seeing everyone for the virtual monthly meeting, Wednesday the 9th. If you need the virtual zoom meeting invitation please let me know and I'll get it to you as soon as possible.*

*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

(VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)

- **March 22**      **\*\*MAKE-UP MEETING\*\***
  - Press Fitting Technology: Applications, Limitations and Use
    - Mike McCarthy with Viega
  
- **April 13**
  - Digital Mixing Stations
    - Dan Tomlinson with Armstrong
  
- **May 11**
  - 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 colleague's 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*

- Dylan Lee - WSP
- Bobby Maxwell - Enviromechanical Sales
- Tyler Simms - 2RW Consulting, Inc.

## LET'S CELEBRATE!



### BIRTHDAYS

Brandon Miller	3/2
Michael Saweikis	3/2
James Trexler	3/9

### ANNIVERSARIES

Josh Landis	3/16/2007
Patrick O'Neill	3/27/2009
Cydney Johnstone	3/6/2013
Bill Kirkpatrick	3/2/2018
Peyton Martin	3/19/2021
Mathew Wilson	3/22/2021

**ASPE  
YOUNG  
PROFESSIONALS®**

**16 MAR | 12 PM**

Guest Speaker:  
Nikita Patel

Hosted By:  
AYP Region 1  
Teams Meeting



## Compressed Air System Design in the Hospital

Attendance is **FREE** for ASPE Members, and **\$5** for nonmembers

[CLICK HERE TO REGISTER](#)



Nikita works as a Sales Engineer for Sherman Engineering Company and has over five years of experience in medical and laboratory gas/vacuum system design. She has experience with NFPA 99 Health Care Facilities Code and other laboratory design guidelines, including the NIH DRM and ISO 8573-1. She has acquired her ASSE 6005: Med Gas Generalist, and ASSE 6040: Med Gas Maintenance credentials. Nikita has aided in the design and selection of compressed air systems used in hospitals, universities, manufacturing plants, food & beverage producers, and more.

With her extensive background in these systems, she will guide viewers through not only the implications of Instrument Air Systems based on NFPA 99 2021 Code Updates, but also other systems commonly seen in a hospital. These include: medical, central sterile, dental, laboratory, control air, etc. This presentation will cover compressors, dryers and air treatment.

Nikita also serves as the Region 1 ASPE Young Professionals Liaison.

### REGION 1 ASPE YOUNG PROFESSIONAL LIAISONS

Nikita Patel  
Baltimore

Amy Gebhardt  
Boston

Jacob Otto  
Hampton Roads

David Charbonneau  
Montreal

Jacob Schragar  
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Washington D.C.

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

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### **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.

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### **Contact**

**David Moore CPD**

**(804)794-6656**

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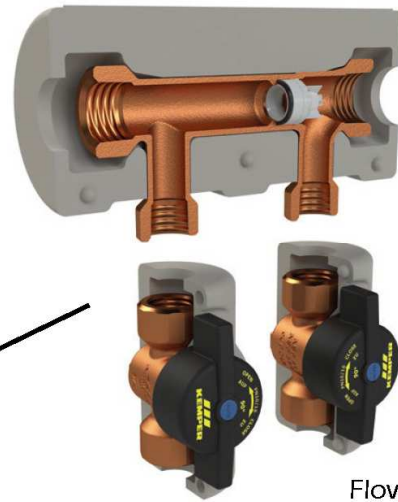
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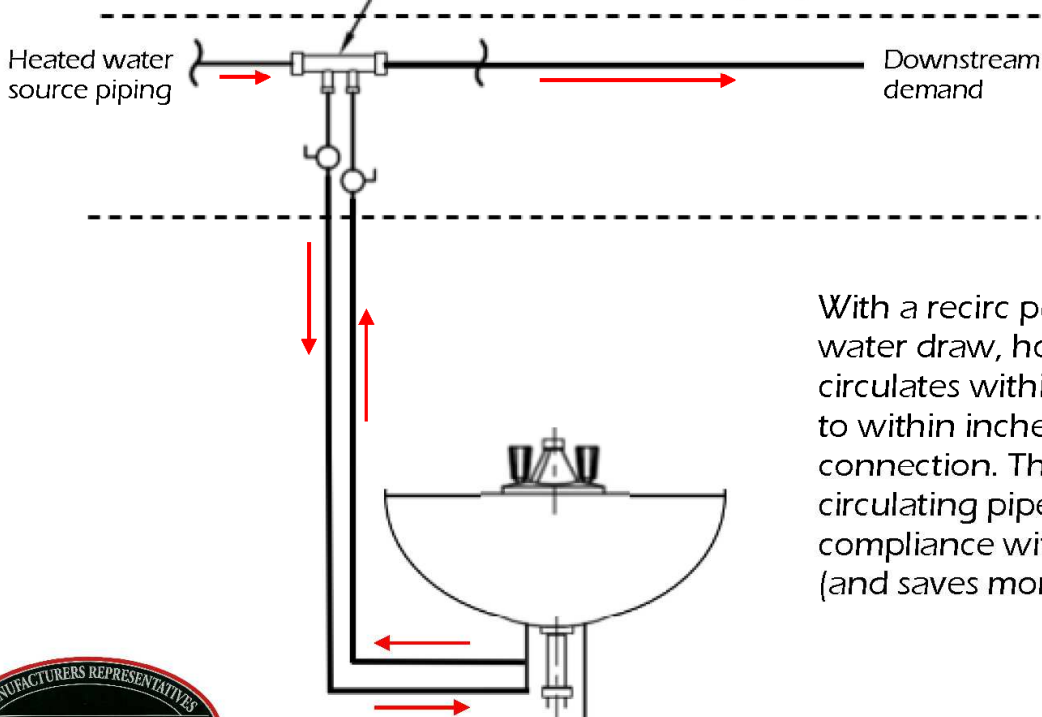
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## How to comply with the Energy Code C404.5.1 (requiring a maximum of only 24" of non-circulating pipe length).

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Figure 651 06 XXX



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## ASPE Design Guide Volume 4 Chapter 4

“The goal of the designer should be for the system to operate with as little energy as possible for a given demand.”

“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 Lunch & Learns or more information, contact:**

Mike McCarthy | Technical Manager  
[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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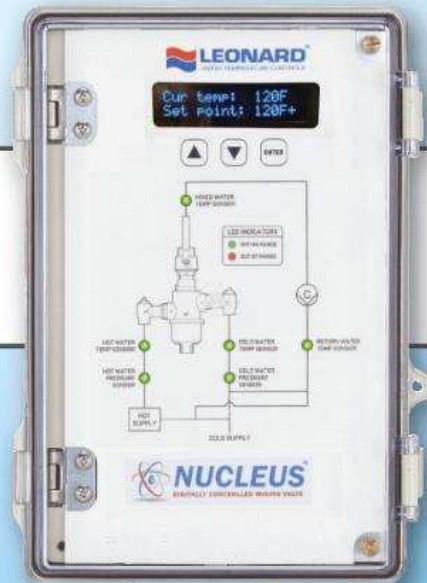
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##### **Half Page Newsletter (per season)**

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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

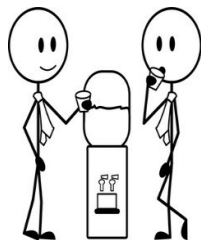
##### **Per Year (8-9 Meetings)**

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. ASPE Connect Nears a Major Milestone

Our online community, [ASPE Connect](#), is only 30 members away from 1,000 unique contributors! To help us reach this major milestone, [start a new discussion thread](#) or [respond to a post in the Open Forum](#) to keep the discussions going. We will have a special surprise for the lucky ASPE member who is our 1,000th contributor!

### 2. Don't Miss Your Chance to Earn the Certified in Plumbing Design Credential This Year

**The Deadline to Register for the 2022 Exam is April 5!**

The exam will be held via remote proctor on April 11-22. To determine if you are eligible, visit [aspe.org/education-credentialing/cpd/exam](https://aspe.org/education-credentialing/cpd/exam).

### 3. Plumbing Systems Commissioning Experts Are Needed to Help Develop New Standard

ASPE is forming a Working Group to develop a new standard on plumbing systems commissioning and seeks volunteers to assist in this effort. The standard will detail the methods for verifying that the plumbing systems in new and renovated commercial, industrial, and multifamily residential buildings were installed and perform as designed by the engineer and intended by the owner. Interested parties are asked to fill out the [Standards Committee Application](#) and select ASPE 100: Plumbing Systems Commissioning in the first drop-down box.

### 4. 2022 World Plumbing Day Poster Contest

The **American Supply Association** is proud to partner with **IWSH**, the International Water, Sanitation and Hygiene Foundation, for its international poster competition for children in 1st to 6th grades to celebrate the 13th annual **World Plumbing Day!** ASA will be collecting posters through **March 30th**. The winning poster receives \$500, 2nd place receives \$250 & 3rd place receives \$100.

All posters will also be submitted to IWSH for a chance to win their contest, as well!

Learn more at <https://www.asa.net/World-Plumbing-Day-Contest-2022>



## 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/)



### WHAT PIPING MATERIALS ARE SUITABLE FOR BULK GREASE SYSTEMS?

Pittsburgh Chapter member Donald Ditter, CPD, GPD, turned to our experts on ASPE Connect for advice on specifying and sizing piping systems for a service garage project. Our experts provide some direction in the latest [Current Connection](#).



### WHY ARE STANDARDS IMPORTANT?

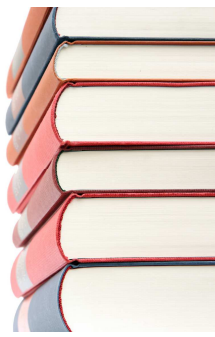
Dave Dexter, Chair of ASPE's Main Design Standards Committee, takes some of the mystery out of the standards development process in his February column. Go to [Current Connection](#) to continue reading.



### WHAT ARE THE THREE KEY BENEFITS OF USING BIM?

You can find out in the [latest Pipeline Exclusive](#) on ASPE Pipeline by Jim LeStage, CSI, CDT, of RWC. He also offers items to consider when choosing a manufacturer's BIM files.

# 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>.

## NEW FREE ASPE WATER HEATING SYSTEM DESIGN WEBINAR WILL BE HELD THIS MONTH

On March 23, Isaac Wilson, National Specialty Commercial Manager for A. O. Smith, will present the one-hour webinar, "Water Heating System Design 101" and registration is now open. This webinar is free for ASPE members and you will earn 0.1 CEU/1 PDH for participating. [Visit ASPE Education to register.](#)

## NEW WEBINAR SERIES FROM ASPE AND IAPMO IS OPEN FOR REGISTRATION



ASPE is excited to announce that we have partnered with the International Association of Plumbing and Mechanical Officials (IAPMO) to provide three new webinars this spring. Each webinar is just \$39, and registration is available at [iapmolearn.org](https://iapmolearn.org).

- April 1, 2022: Net Zero Plumbing: Addressing the Water, Energy, Carbon, and Nutrient Crises
- April 14, 2022: Water Quality 101: Theory and Practice
- May 2, 2022: New Perspectives on Water Quality: Is Water Hammer and Air in Domestic Water Pipe Causing Corrosion?



ASPE'S 2022 BOOK OF THE MONTH PROGRAM BEGINS THIS MONTH WITH THE DIGITAL EDITION OF *PUMPS & PUMP SYSTEMS II*.

THROUGH MARCH 31, 2022, YOU CAN PURCHASE THE PDF VERSION OF THIS BOOK FOR 35% OFF THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **WORLDENGINEERINGDAY** WHEN YOU CHECK OUT.