

ASPELA TIMES

The News of the Los Angeles Chapter of The American Society of Plumbing Engineers

www.aspela.com

July 2023

Volume 23 Issue VII

PRESIDENT'S REPORT Thura Zin CPD, GPD President



June speaker:
Mr. Greg Swafford
Technical Sales Manager, Commercial
Water at Georg Fischer LLC

We are back to the Burbank location for the June meeting. We have 29 attendees, and among them, one student came and joined us. I would like to thank Mr. Greg Swafford, Technical Sales Manager, Commercial Water division from Georg Fisher LLC.

The July meeting will not be on the first Wednesday of the month, due to our 4th of July Independent Holiday. The meeting will be on July 12, at the Courtyard, Marriott, Burbank. Our speaker Mr. Matt Bianchi, a Specification Sales Manager, is from the Joma Valve Company. He will present "Valve 101: The Ins and Out of the Valve Options in Commercial Plumbing".

ASPE Product Show & Education Seminars Flyer
See back of this newsletter

Last month's meeting, we had 14 members RSVP online. In future, after August, our chapter will be accepting the payment at the same time when you RSVP at our website. Same as last month, you can RSVP online, but we're not able to receive payment online. When you RSVP, you will get a receipt email from newsroom@aspela.com with an order number. If you have any suggestions regarding RSVP online, let us know. We will make RSVP online as easy and fastest as possible. We are increasing the meeting fee starting from last month's meeting, to

please continue reading on page 20

July Meeting

- Date:** **July 12, 2023**
- Time:** Check-in will start at 5:30pm. Presentation to begin at 7:00 pm.
- Place:** **Courtyard Marriott**
2100 Empire Avenue
Burbank CA 91504
- Program:** **Valves 101: The Ins & Outs of Valve Options in Commercial Plumbing**
- Speaker:** **Matt Bianchi**
Specification Sales Mgr
Jomar Valve
- Future events include:**
- ASPE Product Show 8-16-23
 - ASPE Picnic: 10-8-23

See inside for Details...



inside...

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AMERICAN SOCIETY OF PLUMBING ENGINEERS LOS ANGELES CHAPTER

July 12, 2023, Meeting

“Valves 101: The Ins & Outs of Valve Options in Commercial Plumbing”

**By Matt Bianchi
Specification Sales Manager
Rancho Santa Margarita, CA**

WHAT YOU WILL LEARN:

The presentation will cover the following topics, with time for questions:

- To understand what valve to use and when.
- Cover the four key components of valves.
- The differences in materials, connections & applications
- Understand when to use a select valve.

MEETING LOCATION:

In Person:

***COURTYARD BY MARRIOTT BURBANK
2100 W EMPIRE AVE, BURBANK, CALIFORNIA 91504
TBD***

MEETING SCHEDULE:

5:30 pm – Check in.

6:30 pm – 7:30 pm – Presentation

COST: Pay at door only

Meeting Fee:

RSVP - \$55 and Retired BOD: \$30

Without RSVP - \$60

RSVP Online:

[RSVP](#)

By: July 11, 2023

THE SPEAKER:



Matt Bianchi is the Specifications Sales Manager on the West Coast for Jomar Valve. He joined Jomar Group in January of 2016 with his role serving as a member of the Inside Sales & Customer Service team. In 2019 He began his role as Business Development Manager which involved a relocation to Southern California from Michigan. Matt is an expert in Jomar’s product offerings through his extensive hours of product and sales training in the plumbing, hydronics & actuation divisions. This change from an inside sale to an outside sales role allows me the unique opportunity to share not only Jomar’s product benefits but also the Jomar story to the engineering community.

If you have additional questions or needed information on his presentation, you can reach him at: Matt.Bianchi@jomar.com.

For more information, visit our website.
[@www.aspe.com](http://www.aspe.com)



Women of ASPE is offering a scholarship to help a deserving WOA member attend ASPE's [2023 Tech Symposium](#) in Bellevue, Washington this fall. The goal of this scholarship is to foster the growth and professional development of women in the field of engineering.

Scholarship Amount

The scholarship will cover expenses up to \$3,000, including a one-year membership renewal, full registration to the 2023 Tech Symposium, special events, round-trip airfare, hotel accommodations, airport transportation, and meals.

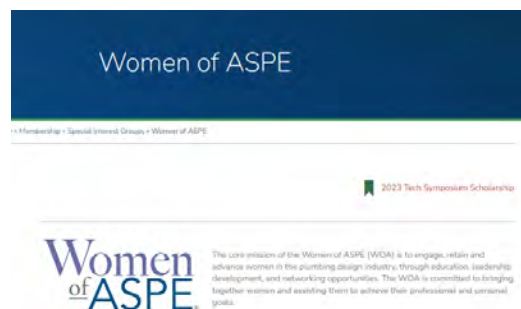
Eligibility Requirements

To be eligible to apply, you must be:

- A female either employed in a plumbing-related field OR currently enrolled in an engineering program as a student
- A current member of ASPE
- A current member of WOA

Look for the Technical Symposium WOA Scholarship form on the WOA page of ASPE.org- <https://www.aspe.org/membership-global-community/membership/special-interest-groups/women-of-aspe/>

Scholarship Applications are due May 26th.



Stay tuned for a Strong Women of ASPE podcast on the founding of the ASPE Arkansas Chapter.

Linda Deunay
Region 4 Women of ASPE

STATE-FUNDED CADD/BIM TRAINING (2) SCHEDULE (ACH&T)

Online Live instructor Interactive

CLASS	DAYS	START	END
Revit Architecture	M W (5:30 to 9:30 pm.)	5/17/23	8/16/23
MEETING DATES: *May-17, 22, 24, 31 *June-5, 7, 12, 14, 19, 21, 26, 28 *July-5, 10, 12, 17, 19, 24, 26, 31 *August-2, 7, 9, 14, 16			
Revit MEP	M W (5:30 to 9:30 pm.)	5/18/23	8/16/23
MEETING DATES: *May-17, 22, 24, 31 *June-5, 7, 12, 14, 19, 21, 26, 28 *July-5, 10, 12, 17, 19, 24, 26, 31 *August-2, 7, 9, 14, 16			
Revit Structure	T TH (5:30 to 9:30 pm.)	5/18/23	8/15/23
MEETING DATES: *May-18, 23, 25, 30 *June-1, 6, 8, 13, 15, 20, 22, 27, 29 *July-6, 11, 13, 18, 20, 25, 27 *August-1, 3, 8, 10, 15			
Revit MEP	T TH (5:30 to 9:30 pm.)	5/18/23	8/15/23
MEETING DATES: *May-18, 23, 25, 30 *June-1, 6, 8, 13, 15, 20, 22, 27, 29 *July-6, 11, 13, 18, 20, 25, 27 *August-1, 3, 8, 10, 15			
Civil 3D	T TH (5:30 to 9:30 pm.)	5/18/23	8/31/23
MEETING DATES: *May-18, 23, 25, 30 *June-1, 6, 8, 13, 15, 20, 22 *July-18, 20, 25, 27 *August-1, 3, 8, 10, 15, 17, 22, 24, 29, 31			
Bluebeam	T TH (5:30 to 8:30 pm.)	5/18/23	7/27/23
MEETING DATES: *May-18, 23, 25, 30 *June-1, 6, 8, 13, 15, 20, 22, 27, 29 *July-6, 11, 13, 18, 20, 25, 27			
Revit Arch. Friday (5:30 to 8:30 pm.) Saturday (8 am. to 1 pm.)		5/19/23	8/18/23
MEETING DATES: *May-19, 20, 26 *June-2, 3, 9, 10, 16, 17, 23, 24, 30 *July-7, 8, 14, 15, 21, 22, 28, 29 *August-4, 5, 11, 12, 18			
AutoCAD Friday (5:30 to 8:30 pm.) Saturday (8 am. to 1 pm.)		5/19/23	9/8/23
MEETING DATES: *May-19, 20, 26 *June-2, 3, 9, 10, 16, 17, 23 * July-21, 22, 28, 29 *August-4, 5, 11, 12, 18, 19, 25, 26 *September-1, 2, 8			

For Enrollment, please contact BARRY barry@ach.edu OR barry@westech.edu OR call 949-393-8866, www.ach.edu click on State-Funded Training Program

TECHNICAL REPORT

Vahan Margaryan CPD, GPD
V.P. Technical

I would like to start my report by expressing my gratitude to Mr. Greg Swafford for conducting a very informative presentation at our June 7th meeting – I’ve received a lot of positive feedback from the attendees highlighting an exceptionally great presentation by Mr. Greg Swafford.

Even though it is still a little gloomy and a bit of overcast with clouds dominating our sky in the early am hours, the summer is upon us. This summer should be pretty promising which will be filled with many activities for ASPE LA fellow members.

2023 Donald F Dickerson ASPE LA Golf Tournament was held at the Brookside Golf Club at The Rose Bowl – such a great event with many of our friends participating. Kudos to ASPE LA Golf committee and especially Bill Siler and Davis Kelly for leading this event. Also, I would like to thank all our sponsors for supporting us – without your sponsorship this event could not have come to fruition – THANK YOU!

Another fast-approaching event is the upcoming Product Show and Technical Seminar. I would like to apologize for some misleading information that I had provided in my

previous monthly report – the event will not be conducted in the Los Angeles Marriott Burbank Airport, due to some additional fees and challenges with providing meals to attendees, ASPE LA Board of Directors and Product Show and Technical Seminar committee has decided to book the Quiet Cannon Conference & Event Center at 901 N. Via San Clemente, Montebello, CA 90640, the date will remain unchanged, Wednesday, August 16th, 2023. At least three technical sessions will be offered to our attendees:

1. Lab and specialty gas design
2. Fuel oil handling system design
3. Fire protection system design watchouts

Email blast with technical seminars and product show registration forms will be emailed to all members separately. Another summer event – The Summer picnic is tentatively scheduled for October 8th, 2023. It most probably will be held at Elysian Park. The committee will focus on this event right after the 2023 Donald F Dickerson ASPE LA Golf Tournament.

The International Association of Plumbing and Mechanical Officials (IAPMO®) has published the 2024 editions of the Uniform Plumbing Code® (UPC) and Uniform Mechanical Code® (UMC) in both hardcopy and electronic versions,

continued on page 13

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TEST REPORT

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<http://www.iapmort.org>

Report Number: 2536-18001-002 Project No.: 29225
Report Issued: February 26, 2018.
Client: Aqua-Rex
3301 Spring Mountain Road Ste 18
Las Vegas, NV 89102 Contact: Jonny Secombe
Source of Samples: The samples were shipped to IAPMO R&T Lab from Aqua-Rex, and received in good condition on October 11, 2017.
Date of Testing: October 25, 2017 through December 15, 2017.
Sample Description: Scale Prevention Device; model: Aqua-Rex WK1-E.
Scope of Testing: The purpose of the testing is to determine the efficacy of the Scale Prevention Device per section 5 of IAPMO IGC 335-2018, entitled "Rapid Scaling Test for Scale Prevention Devices".

CONCLUSION: **When tested per Section 5 of IAPMO IGC 335-2018, Aqua-Rex WK1-E reduced scaling by 83% when applied to Las Vegas water heated to 180°F.**

Tested by,

Reviewed by,

Hank Ninh
Hanks Ninh, Project Engineer

Sean Vuu
Sean Vuu, P.E., Manager, Specialty Projects

Nobody Ask Me But...

Kook Dean

Past President

The purpose is to allow chapter members to comment on activities/legislation affecting the chapter or the industries.

Nobody Ask Me But... The new price structure for the chapter meeting is very wrong!

Pay at door only Meeting Fee:

RSVP - \$55

Retired BOD: \$30

Without RSVP - \$60

My recommendation:

RSVP - \$55

Without RSVP - \$60

Instructor(High School, College, University, Trade) - Free with student)

Student - 1st meeting: \$15, second meeting: \$0. and \$15 afterwards.

The purpose of the revised Meeting Fee is to encourage students and their instructors to attend the chapter meetings. This will encourage students to consider a career in plumbing design, the instructors to bring students, and the consulting companies will attend for access to the students (future employees).

The instructors will attend to provide their students an opportunity for a professional design\engineering career.

The chapter benefits with attendance of students and young engineers/designers. The new attendees will see a career in plumbing engineering and design. The benefit of the "old timers" attendance is the demonstration of a career in plumbing engineering and design.

Thank you for the opportunity

Kook K. Dean - Retired

kkdean2000@gmail.com

213 280 1691

**FROM THE ASPELA HUMOR DEPT.**

V.P. of Funny

Newton asked, "How would you write 4 in between 5?"

Medical students said, "Joke!"

Science students said, "Impossible!"

Management students said, "Not found on the internet!"

Engineering students said, "F(IV)E"

Obscure Engineering Conversion Factors:

1. Ratio of an igloo's circumference to its diameter = Eskimo Pi
2. 2000 pounds of Chinese Soup = Won ton
3. 1 millionth of a mouthwash = 1 microscope
4. Time between slipping on a peel and smacking the pavement = 1 bananosecond
5. Weight an evangelist carries with God = 1 Billigram
6. Time it takes to sail 220 yards at 1 nautical mile per hour = Knotfurlong
7. 365.25 days of drinking low-calorie beer = 1 Lite year
8. 16.5 feet in the Twilight Zone = 1 Rod Serling
9. Half a large intestine = 1 semicolon
10. 1,000,000 aches = 1 megahurtz



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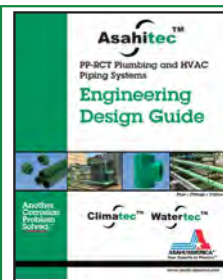
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GENERAL MEETING MINUTES

Jeff Atlas

Administrative Secretary... and your newsletter editor

May meeting was a resounding success. The golf tournament was crazy good and a big thanks to the committee. Bill Siler, you did a great job!!

People, we are back in full swing with a robust agenda:

- **Product Show** **8-16-23**
- **Picnic:** **10-8-23**
- **Fishing... maybe:** **? -?- 23**

GAS BAN UPDATE:

Kook Dean

Past President - Los Angeles chapter

To deal with environmental and climatic conditions, the City of Los Angeles has ordained that all newly constructed buildings be fitted with all electrical infrastructure. All electric buildings contain no combustion equipment such as fuel or gas piping that provide energy for appliances and/or equipment and such structures are expected to rely solely on electricity. (<https://ladbs.org/services/green-building-sustainability>)



Rheem Water Heating
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 Rosewell, GA 30076
 657.274.5686 Cell
 kurt.bramstedt@rheem.com

Kurt Bramstedt
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Jeff Atlas
 District Sales Manager
 (661) 428-4607 cell
 jeff.atlas@raypak.com

2151 Eastman Avenue, Oxnard, CA 93030



I saw a city bus fueled by "clean natural gas" just a couple weeks ago in the city of Ventura... hmmm...

See you all on July 12th at the Airport Marriott in Burbank. 😊

Attached (email Kook for a pdf copy) for your information is a copy of the published opinion from the Ninth Circuit court. The Ninth Circuit court ruled against the City of Berkeley ordinance banning the use of natural gas piping in new buildings within the city limits.

In my opinion: The ordinance for all electric buildings is null and void. The Los Angeles City Department of Building and Safety (LADBS) should issue a Memorandum of Understanding (MOU) referencing the ordinance for all electric buildings currently suspended until further notification.

For more information on my related certifications, education, and work experience: Kook Dean - LinkedIn

Kook K. Dean 😊
 213 280 1691 cell • kkdean2000@gmail.com

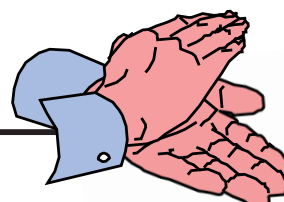
WHO Showed up?

Attendance for the **June 2023** Meeting...

The total number in attendance was


29!

plus our speaker!




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continued from page 5

completing a three-year consensus development cycle accredited by the American National Standards Institute (ANSI) Significant changes to the UPC include:

1. New provisions for tileable shower receptors and kits
2. Provision for temperature-actuated, flow-reduction devices for individual fittings
3. New provisions for all-gender facilities, including fixture count, privacy compartments, and partitions.
4. New requirements for water supply and distribution manifolds.
5. Updated provisions for hot water recirculating systems.
6. New provisions for private well water tanks
7. Updated provisions for appliance condensate drains when serving more than one appliance and connecting to a common indirect waste pipe.
8. Updated minimum water quality provisions for onsite treated nonpotable water systems, and nonpotable water devices and systems for harvested rainwater systems
9. Update water supply fixture unit (WSFU) and drainage fixture unit (DFU) values for bathroom groups in Appendix C

10. New Appendix O providing minimum non-sewered sanitation systems.
11. New Appendix P providing minimum qualifications for inspectors, examiners, service technicians, installers, and administrators relating to systems addressed in the UPC.
12. New Appendix Q addressing plumbing requirements for indoor horticultural facilities.
13. New Appendix R providing minimum plumbing system requirements for tiny houses.
14. New Appendix S with provisions pertaining to onsite stormwater treatment systems.



Donald F. Dickerson Associates
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April K. Trafton
President



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MEMBERSHIP REPORT

*Robert Galaviz CPD
V.P.Membership*

It is my pleasure to provide you with the latest membership updates and express my sincere appreciation for your active participation in the recent ASPE LA golf tournament. While we have monitored a slight decline of six members in our total count, I am delighted to announce the addition of the following individuals to our local chapter. Let us warmly welcome Alex Toyoda, Amanda Payne, and Michael Lapraik, P.E.

Although we have encountered a minor setback in membership, let us view it as an opportunity for growth and renewed efforts. We must now redouble our endeavors to attract exceptional design engineers to our vibrant chapter. It is imperative that we highlight the benefits and resources that ASPE Los Angeles provides. By doing so, we can forge an even stronger network that thrives on collaboration, knowledge sharing, and professional advancement.

I extend my deepest gratitude to each one of you for your unwavering support and dedication to ASPE Los Angeles. Your commitment is what makes our organization what it is. Should you have any remarkable insights, valuable suggestions, or simply wish to connect, please do not hesitate to reach out to me. 😊



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PRESIDENT: continued from page 1

\$55 for all attendees, and \$30 for the past BOD retiree. The Student Members will be first month free and after that will be \$30. But if you have financial hardness, please let our chapter know.

Our Annual Donald F. Dickerson golf tournament was held on Friday, June 16th, 2023, at Brookside Golf & Country Club, Pasadena. We would like to thank, Golf Tournament Chair, Bill Siler and his team, David Kelly, Wilson Soo Hoo, Photographer Brian, Check-in Team lead by Sandy Yamamoto and Bill's daughter and friends. They did a great job, and the tournament was finished successfully, and all players were happy and enjoyed our tournament. So, prepare for next year's tournament. We will not be playing in the month of June and will go back to May 2024.

Are you ready for the LA Families annual picnic, which we are scheduling for Sunday October 8, 2023, at Elysian Park's Old Lodge Picnic Area near Dodger's Stadium. We are planning no cost to our members' families and friends. Let us know what kind of activity you all want to do on our picnic day.

We will let you know next month what we find out from the first ASPE Chapter Leadership Summit 2023 in Chicago on June 23 to 25.

Don't forget our 2023 ASPE Technical Symposium will be held in Bellevue, Washington, September 28 to October

1, 2023. The registration is open now. AYP Leadership Academy will be on Thursday, September 28, 2023. So AYP, if you want to join, please visit https://www.aspe.org/wp-content/uploads/2023_ayp_leadership_academy.pdf. The Technical Sessions topics are not out yet. But you can choose a variety of professional development sessions in several tracks to customize your learning experience. Here is the link for registration: <https://www.aspe.org/2023-tech-symposium/>

Our LA Chapter Product Show, which will be held on August 16. Three technical sessions in the morning and the product show will be after lunch. All manufacturers' sales representatives, if you are planning to participate in our product show, please contact our Product Show Chair, Vivian Enriquez venriquez5824@gmail.com for the booth's layout and exhibitor's registration. This year we only have 54 booths, and these will go very fast. Also, if you want to volunteer for this event, please contact her. Please save this date as well and we look forward to seeing you at hopefully all our exciting upcoming events! For technical sessions attendee, please download the registration form and send email to Vivian to get your seat secured.

We have not set our Holiday Party date yet. Will be in either middle of November or Early December.

Again, we like to encourage our chapter meeting attendees to start using the RSVP and paying online in advance. If you are not RSVP and pay at the door will be added \$5 more. Starting from this month's meeting we assign the Sergeant-at-Arm and don't be late or come without RSVP, you'll be fined for that.

As always, do not hesitate to reach us or any board member for any topics that you may want to see in any of our technical programs. Watch your email for the next meeting invite and I look forward to seeing you all at the next meeting.




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H2O Degree delivered a submetering system consisting of a 1,000 dual point-of-entry water meters (hot & cold) and 591 thermostats. The battery-powered wireless water meters communicate with the thermostats. The thermostats act as transceivers, a unique feature of H2O Degree's wireless network, which results in substantial savings compared to using traditional wireless repeater networks. When considering the minimal wiring it took to set up the radios and ZigBee mesh network the system uses, the system was the most cost effective option for the building.



PLUMBING CONFIGURATION

The dual point-of-entry submetering at 360 State Street means that the plumbing is configured so that one riser branches into the apartment for cold water. A second



riser delivers domestic hot water created centrally by recovering heat from a CHP system. Water enters the apartment in the utility closet and there are two water meters in each apartment, one for cold and one for hot water.

WATER & ENERGY CONSERVATION SAVINGS

Typical 1-2 bedroom apartments at 360 State Street average 45 to 55 gallons of water use per day. This is almost half the national average of 70-90 gallons per day. This savings is the result of billing tenants for water and proactive water leak detection. Another energy-savings benefit came from billing tenants for electricity and providing thermostat controls resulting in heating & cooling costs being 10 to 20% below apartments without submetering.



Read the full case study on 360 State Street by visiting H2O Degree's website at www.h2odegree.com/aspela.php



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