

ASPELA TIMES

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

www.aspela.com

July 2024

Volume 24 Issue VII

PRESIDENT'S REPORT **Vahan Margaryan CPD, GPD** **President**



We are at the peak of vacation season, and I'm not an exception this time – unfortunately, I was unable to join the July meeting. I hope you all enjoyed the presentation by Mr. Amir Habibi on “Solar Water Heating.” This topic is exceptionally relevant as we experience many very hot summer days, in addition to California’s decarbonization efforts. Engineers, designers, and specifiers – you can look forward to comparing, after our August meeting, all your options for domestic hot water generation.

As the 2024 Annual Donald F. Dickerson ASPE Golf committee receives feedback from the attendees, we have noticed some baseless accusations built on third-party rumors. While we value and appreciate all comments and treat them as lessons learned, we strongly encourage you to verify rumors before reaching out to the committee. Keep in mind that human errors are unavoidable, but everyone on the Committee worked endless hours and put in a huge effort to make the 2024 Annual Donald F. Dickerson ASPE Golf an unforgettable event. I believe the Golf Committee succeeded in their efforts – we are getting mostly positive comments.

Starting from June, we are moving our monthly meeting from the first Wednesday of the month to the second Wednesday of the month.

Some highlights of our upcoming events:

1. August 14, 2024, ASPE LA Meeting – Our own Dr. Saum Nour
please continue reading on page 21

August Meeting

- Date:** August 14, 2024
- Time:** Check-in will start at 5:30pm. Presentation to begin at 7:00 pm (see p. 2)
- Place:** **Courtyard Marriott**
2100 Empire Avenue
Burbank CA 91504
- Program:** "Falacies and Hidden Mysteries of Heat Pump Water Heater"
- Speaker:** **Dr. Saum Nour**
ASPE Fellow
President and Founder:
Absolute Consulting Engineers

See inside for Details...



Calendar Events:

- September 22 - ASPE LA Family Picnic
- October 9 - ASPE LA 60th Anniversary Gala
- October 17 thru 23 - 2024 ASPE Convention and Expo

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AMERICAN SOCIETY OF PLUMBING ENGINEERS LOS ANGELES CHAPTER

August 14, 2024, Meeting
“Fallacies and Hidden Mysteries of Heat Pump Water Heater”

By Dr. Saum Nour, ASPE Fellow

PE Civil, PE Electrical, PE Mechanical, CPD, CFPE, LEED AP, LEED GA, LEED AP O+M, AB 802

President and Founder
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WHAT YOU WILL LEARN:

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

- Misconceptions of heat pump water heaters
- Possible future headaches for engineers, architects, and structural engineers
- Watch-out when selecting heat pumps.

MEETING LOCATION:

In Person:

[COURTYARD BY MARRIOTT BURBANK](#)
[2100 W EMPIRE AVE, BURBANK, CALIFORNIA 91504](#)

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: August 12, 2024

THE SPEAKER:



Dr Saum Nour, Lecturer, author, professor, and professional engineer in 30 States, has over 35 years of experience in the field of Engineering. His diversified work includes small building projects to large industrial facilities, for which he designed and specified a variety of equipment solutions and systems, performed construction support and multi-discipline coordination tasks. He has done extensive work on commercial and residential projects, where he has designed: structural piping support, piping system, fluid flow, energy compliance, quality control, and plumbing systems.

Dr. Saum Nour's deep knowledge of the industry, constant pursuit of education and willingness to help others learn has nabbed him the award for PM Engineer's 2022 Plumbing Engineer of the Year. He is active member of multiples committees at ASPE.

If you have additional questions or needed information on his presentation, you can reach him at: snour58@gmail.com

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



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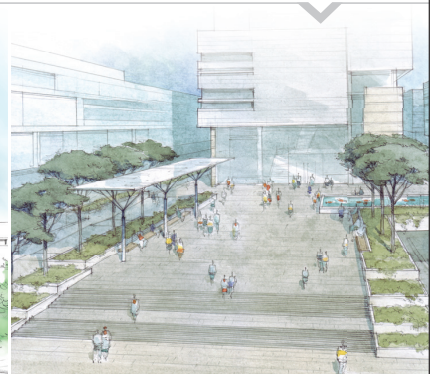
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TECHNICAL REPORT

Thura Zin CPD, GPD

V.P. Technical

The ASPE-LA monthly meeting was held on July 10, 2024, at Courtyard, Burbank. On behalf of the ASPE-LA Board of Directors, we would like to thank Mr. Amir Habibi, Business Development Manager from SunEarth. In his presentation, he discussed the combination of solar water heating with other innovative water heater solutions, the role of solar water heating in decarbonization, and more. If you need his presentation and the reference materials, please let me or any officer know, and we'll send them to you.

At last month's meeting, we had 30 attendees. Due to the website transition to Starchapter, some members might not have been able to register online. Just email me or text me if you are unable to RSVP. Remember, our chapter's monthly meeting is moving to the second Wednesday of the month.

This month's meeting will be on August 14, 2024, and will be presented by Dr. Saum Nour, President and

Founder of Absolute Consulting Engineers. He will present "Fallacies and Hidden Mysteries of Heat Pump Water Heaters." Dr. Nour will discuss misconceptions about heat pump water heaters and more. There will be no tabletop.

As you already know, the 2024 ASPE Convention and Expo will be held in Columbus, Ohio. If you are planning to attend, please book your hotel as soon as possible, as the event hotel is almost sold out. Additionally, please check the flight information. Major airlines from LAX do not have direct flights. The event is scheduled for October 17 through 23. The Convention will be held from October 18 to 23, and the Exposition will be on October 21 and 22. I hope to see you all there.

We have already selected the chapter delegates for the Convention and notified them. This year, our chapter is sending 8 delegates, along with one alternate and one young professional.

As usual, do not hesitate to email any board member with any topics you would like to see in our technical programs. Watch your email for the next meeting date

continued on page 14



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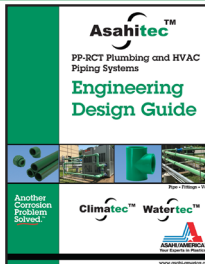


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Online Training

Live Instructor (Virtual) / Interactive

Location: Online

Class: Revit (MEP)

Day: Monday & Wednesday

Time: 5:30 pm - 9:30 pm

Meeting Dates: *August- 26, 28 *September- 4, 9, 11, 16, 18, 23, 25, 30 *October- 2, 7, 9, 14, 16, 21, 23, 28, 30 *November- 4, 6, 11, 13, 18, 20



Location: Online

Class: Enhanced Revit

Day: Tuesday & Thursday

Time: 5:30 pm - 9:30 pm

Meeting Dates: *August- 27, 29 *September- 3, 5, 10, 12, 17, 19, 24, 26 *October- 1, 3, 8, 10, 15, 17, 22, 24, 29 *November- 5, 7, 12, 14, 19, 21

Location: Online

Class: Revit Architecture

Day: Tuesday & Thursday

Time: 5:30 pm - 9:30 pm

Meeting Dates: *August- 27, 29 *September- 3, 5, 10, 12, 17, 19, 24, 26 *October- 1, 3, 8, 10, 15, 17, 22, 24, 29 *November- 5, 7, 12, 14, 19, 21

Location: Online

Class: Civil 3D

Day: Tuesday & Thursday

Time: 5:30 pm - 9:30 pm

Meeting Dates: *August- 27, 29 *September- 3, 5, 10, 12, 17, 19 *October- 22, 24, 29 *November- 5, 7, 12, 14, 19, 21, 26 *December- 3, 5, 10, 12, 17, 19

Location: Online

Class: BlueBean

Day: Tuesday & Thursday

Time: 5:30 pm - 8:30 pm

Meeting Dates: *August- 27, 29 *September- 3, 5, 10, 12, 17, 19, 24, 26 *October- 1, 3, 8, 10, 15, 17, 22, 24, 29 *November- 5

Location: Online

Class: Revit (Structure)

Day/Time: Friday (5:30-9:30 pm) Saturday (8 am-12 pm)

Meeting Dates: *August- 30, 31 *September- 6, 7, 13, 14, 20, 21, 27, 28 *October- 4, 5, 11, 12, 18, 19, 25, 26 *November- 1, 2, 8, 9, 15, 16, 22

Location: Online

Class: AutoCAD

Day/Time: Friday (5:30-9:30 pm) Saturday (8 am-12 pm)

Meeting Dates: *August- 30, 31 *September- 6, 7, 13, 14 *October- 18, 19, 25, 26 *November- 1, 2, 8, 9, 15, 16, 22, 23 *December- 6, 7, 13, 14, 20, 21

**Schedule is subject to change



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2024 TECHNICAL & SOCIAL CALENDAR

August 14, 2024,	“Fallacies and Hidden Mysteries of Heat Pump Water Heater” (SN # 24-08) SPEAKER: Mr. Saum Nour - Absolute Consulting Engineers
Tabletop	None
September 11, 2024,	“Maximizing Water Efficiency for Sustainable Restroom Design” (SN #24-09) SPEAKER: Mr. John Lauer – Sloan
Tabletop	Delco Sales
October 9, 2024	“No Presentation Meeting” ASPE Los Angeles Chapter 60th Anniversary Gala
November 11, 2024	“Liquid Nitrogen Piping & Plumbing” (SN # 24-11) SPEAKER: Ms. Priyanka Chand - Vacuum Barrier Corporation
December 6, 2024	“TBD” (SN # 23-12) SPEAKER: TBD




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VP Tech: continued from page 5

and see you all at the next meeting. Also, check our Technical Calendar for upcoming Technical Sessions. Please take care of yourselves and each other. Stay safe.



Matthew Farrell

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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 Seccombe
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



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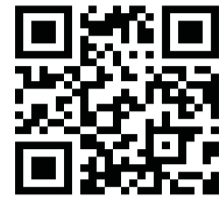
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PRESIDENT: continued from page 1

will be conducting a presentation on “Fallacies and Hidden Mysteries of Heat Pump Water Heaters.” This is the first appearance of his presentation, which will be conducted at different ASPE chapters. The presentation will be recorded for future upload on YouTube and LinkedIn. We highly encourage our affiliates and designers/specifiers to join this meeting to understand the full picture of the pros and cons of heat pumps.

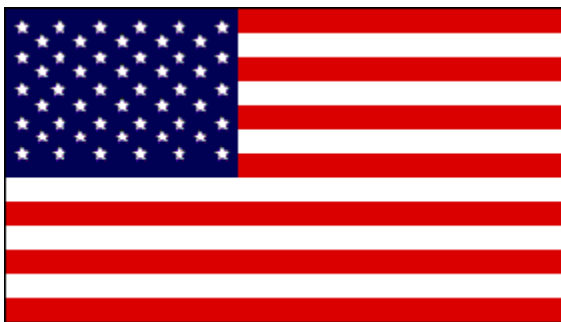
2. 2024 ASPE LA Family Picnic – The picnic will be held on Sunday, September 22, at Robert E. Gross Park, 2800 Empire Ave, Burbank, CA 91504. A picnic flyer will be distributed soon. Entrance is free for our members and their families. We are planning to have some outdoor activities, BBQ, and a great time. Please plan to connect and enjoy this event.

3. ASPE LA (Founding!) Chapter Special 60th Anniversary Gala – The gala will be held in the heart of Hollywood on October 9th at Taglyan Complex, 1219 Vine St, Los Angeles, CA 90038. There will be live entertainment, free parking, plenty of food, and adult beverages. An entrance fee of \$150 will allow you and your significant other to attend the event. A special invitation will be forwarded to our founding members to join us at the event. A flyer with additional details

will be distributed in August and will be available on LinkedIn and Facebook. Feel free to repost.

Reminder - Registration for the 2024 ASPE Convention & Expo in Columbus, Ohio, is open. The event will be held from October 18th to the 23rd. At this premier event, plumbing engineers, designers, specifiers, and contractors will explore cutting-edge innovations during tailored professional development sessions and the country’s largest tradeshow dedicated exclusively to plumbing system design products. If interested, please register at expo.aspe.com.

Be well, stay well.



Jeff Atlas

Territory Sales Manager

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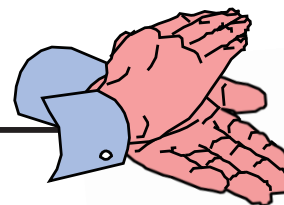


WHO Showed up?

Attendance for the Last Meeting...

The total number in attendance was

30!



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ADMINISTRATIVE SECRETARY

Jeff Atlas

Administrative Secretary

Although I was not in attendance for the July meeting, I had our very capable Corresponding Secretary, Casey Wise, submit the top portion of this report.

Thank you, Casey, for standing in for me.

The July meeting started at 6pm. Announcements about the upcoming Gala in October, the family picnic and the ASPE convention. We had an ASPE women's event June 15th, it went well. Planning another women's/young people clay shooting event in combination with Orange County. Golf tournament had a great turnout, only about 8 people signed up that didn't show up. The rest were all accounted for.

Our speaker, Amir Habibi, talked about solar water heating

in commercial applications. He went over installation and design, the dos and don'ts. At the end of the meeting, we had raffles as well as extra gifts for the engineers only (mostly gift cards) meeting ended at 8:15.

This member's thoughts and opinion:

As you all know, the state of California is trying their level best to deprive you of your choice of fuels to run your home or business. However, as I have been recently commenting on this phenomenon, we have had some success in pushing back against the onslaught of oppressive





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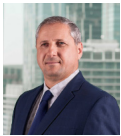
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