ASPE LOS ANGELES PRESENTS...

ANNUAL OVERNIGHT

PICNIC

BBQ, ICE CREAM, RAFFLES & MORE!

Sunday Breakfast Provided!

9/7 @ 11:30 am – 9/8 @ 12pm

Wilderness Park
2240 Highland Oaks Dr
Arcadia, CA 91006

MORE INFO/RSVP:
DAVID KELLY @ 626-384-8969
DAVID@WEILAQUATRONICS.COM
(RSVP REQUIRED FOR RV'S & TENT CAMPING)
Thank you to all that attended the July 10, 2019 meeting and the 2019 ASPE LA & OC Product Show & Technical Seminar on August 15, 2019. Thanks to our guest speakers and to all those that attended and all the affiliates that participated in the Product Show.


Aug. 15, 2019: Mr. Saum Nour – “Error and Omissions Cases”
Mr. Mark Allen – “Alternate Bulk Oxygen Systems”
Mr. Daniel Alvarez – “Sizing Automatic Control Valves”

I also wanted to sadly inform the memberships and everyone that our Vice President Technical, Karl Caouette, has step-down due to his promotion, that will entail a lot of travel. He promised to still get involved and will be back to serve our chapter. In this regard, I am very pleased to announce the following appointment by the ASPE-LA Board of Directors.

- Thura Zin – Vice President Technical
- Irene Pool – Vice President Legislative

continued on page 23
2019-2020 TECHNICAL & SOCIAL CALENDAR

SEPT. 7 – 10, 2019
ASPE – LA CHAPTER ANNUAL OVERNIGHT PICNIC
Wilderness Park, 2240 Highland Oaks Dr., Arcadia, CA 91006
RSVP Required Contact David Kelly at:
626-384-8969 or Email: david@weilaquatronics.com

SEPT. 11, 2019
“WHO SAID OVERSIZING IS ALWAYS GOOD?”
(SN #19-09)
SPEAKER: Mr. Zay Soe, PE
Arup Los Angeles

OCT. 02, 2019
“WOMEN IN MEP CONSTRUCTION”
(SN #19-10)
SPEAKER: Ms. Lucy C. Villanueva
DPR Construction

NOV. 06, 2019
“SUSTAINABLE BUILDINGS & SMART TECHNOLOGY”
(SN #19-11)
SPEAKER: Mr. Eugene de Souza, PE
Principal, Interface Engineering Inc.

NOV. 16, 2019
“ASPE – LA CHAPTER MONTE CARLO NIGHT”
Location: Luminarias Restaurant, 3500 W. Ramona Blvd.
Monterey Park, CA 91754
CONTACT: Jeff Atlas at aspenews@gmail.com

DEC. 04, 2019
“FUEL OIL SYSTEM – LATEST CODE & DESIGN”
(SN #19-12)
SPEAKER: Mr. Lee W. Carnahan
District Sales Manager, West
Fuel Oil Handling Systems

JAN. 8, 2020
“METHANE MITIGATION”
(SN #20-01)
SPEAKER: TBD

FEB. 5, 2020
“ALTERNATE WATER SOURCES FOR NON-POTABLE APPLICATION”
(SN #20-02)
SPEAKER: TBD
In August, we don’t have monthly meeting. Instead we had LA & OC combined ‘2019 Product Show and Technical Seminar” at Monterey Hill Restaurant and Luminarias Restaurant, Monterey Park. On behalf of the ASPE-LA & OC Board of Directors, we would like to thank Dr. Saum Nour of Absolute Engineering, Mr. Mark Allen of Beacon Medaes, and Mr. Daniel Alvarez of Zurn Industrial. One of our speaker Mr. Danny Tam was not able to present due to his personal problem. Our president is coordinating with OC chapter for his presentation in future

This month ASPE-LA monthly will be on September 11, 2019, due to the Labor Day weekend. Speaker is one of our chapter member Zay Soe from Arup. He will talk about the oversizing problem. As far as I know, there is no tabletop in this month.

Latest news from the ASPE Pipeline, volume 12, No. 17:

WOA Scholarship Winner:
Kirsten Collins, a Student Member of the Central Florida Chapter, was awarded the Women of ASPE 2019 Tech Symposium scholarship to attend this event to learn more about the plumbing engineering industry. An environmental engineering major at the University of Central Florida, Kirsten is a plumbing intern at EXP and plans to pursue a career as a plumbing engineer with a focus on sustainable design. Congratulations Kirsten!

Time is running out to register for the 2019 CPDT exam:
Are you a young plumbing system designer looking to earn a certification to showcase your skills? ASPE's Certified Plumbing Design Technician (CPDT) program recognizes outstanding young professionals and is intended as a precursor of our CPD credential. The 2019 CPDT exam is being held at online testing sites around the world on September 16-22, and you can register at aspe.org/CPDT-exam. The deadline to register is September 5

Latest news from the ASPE Journal:
The Next Drinking Water Contamination Issue?
By Peter S. Cartwright, PE
Every time water goes down the drain, whether to a sewer, a septic system, a storm drain, or wherever, it carries contaminants with it, which usually end up in someone’s drinking water. This document addresses the sources of water contaminants and their possible health effects, and offers some guidance on what we, as responsible caretakers of this planet and concerned consumers, can do now and in the future.

If you are members you will find the latest ASPE Journal publication at https://aspe.org/aspejournal
That is all for this month. See you all in next meeting.
As usual, do not hesitate to e-mail any board member for any particular topics that you may want to see in any of our technical programs. Also check our Technical Calendar for upcoming Technical Sessions.
From the 2018 UPC Guide to Important Code Changes

What Changed.

402.4 Wall-Hung Fixtures. Wall-hung fixtures shall be rigidly supported by metal supporting members so that no strain is transmitted to the connections. Floor-affixed supports for off-the-floor plumbing fixtures for public use shall comply with ASME A112.6.1M. Framing-affixed supports for off-the-floor water closets with concealed tanks shall comply with ASME A112.6.2. Flush tanks and similar appurtenances shall be secured by approved non-corrosive screws or bolts.

Why It Changed.

This change creates a specific reference for standards currently in the code. By moving the requirements after the first sentence, it clarifies that the reference is to specific groups or products that are regulated by the two standards.

Additionally, the reference to the standard identifies the exact product that is being regulated. Hence, any floor affixed support for off the floor plumbing fixtures for public use would have to meet the standard. This does not require this type of attachment, as many sinks and lavatories are also attached by wall hangers. However, when a floor-affixed support is used, it must comply with the standard. The standard identifies the sizing and strength requirements for the supports. The same would be true for framing-affixed supports.

What It Means to Me.

Wall-hung water closet installation requirements are contained in Section 402.6 stating that they are to be connected to an approved carrier. This section refers to other fixtures that are wall mounted, such as lavatories, sinks or urinals. All must be supported by the proper mounting device, whether it is by mounting plates, brackets, or arms and not the drainage connection for framing-affixed supports with concealed tanks.

Engineers and designers will be required to ensure in their plans and specifications that all public use plumbing fixtures that incorporate floor-affixed supports for off-the-floor plumbing fixtures, that the supports comply with the new language.

Plans examiners and inspectors shall verify the plans and specifications that the supports for public use off-the-floor plumbing fixtures meet the minimum required listings. Field inspectors should verify the supports installed on the job are the appropriate listed supports. Plumbers, installers or technicians need the knowledge and experience to recognize the appropriate listed supports for public use off-the-floor plumbing fixtures are being installed where required.

LEGISLATIVE REPORT
Thura Zin CPD, GPD
V.P. Legislative

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Cell: 909-203-2008 • E-Mail ajimenez@delcosales.com
Monte Carlo Night !!!

November 16, 2019 (6pm - 11pm)

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RSVP to: Jeff Atlas • ASPENEWS@GMAIL.COM • 661-478-4565
Hal Alvord • GOGETEMTIGER@JUNO.COM • 818-385-3600
Vivian Enriquez brought the meeting to order at 7:00. The Pledge of Allegiance was led by Mona Samadiyan. She was the first person in recent memory to come to the front of the room and lead the Pledge from there. Past presidents in attendance included Vivian Enriquez, Ed Saltzberg, Kook Dean, Hal Alvord, William Siler and Thura Zin.

Vivian Enriquez reminded the chapter of the upcoming product show, which will be hosted by ASPE O.C. The show will be held at Luminarias Restaurant and Monterrey Hill Steakhouse.

John Zagorski reported that there were 2 new members in attendance.

Vivian Enriquez, in lieu of David Kelley, reminded the board of the upcoming picnic.

Jeremy Busch reported that a potential tour is in the works, sometime in October.

Ira Schummer levied fines to the following people: Alex Jimenez ($3), Frank from Murray ($3), Kook Dean ($10), Mona Samadiyan ($4), Arturo Gonzalez ($4), Troy Dawes ($8), Kelley Gilfoy ($3), Chris Sweeney ($4), Gilbert from Affiliated ($3), Mike from Charlotte Pipe ($5), Andy Lopez ($5) – deferred to Dave Dikins, Mark from Arc ($2), and Vivian Enriquez ($4).

William Siler introduced the speaker, Mike LeMaster of Charlotte Pipe. His presentation was on Cast Iron History, Applications, Selections, Couplings, Coating and more.

Raffle prizes were donated by the following people: William Mathews of Renco Sales, Jeff Atlas of Delco Sales, Alex Jimenez of Delco Sales, Henry Canizales of Spears Mfg., Victor Medellin of Delco Sales, Linda Deunay of Enviro Products West, Ira Schummer of Signature Sales, Mario Orlando of Spears Mfg., Anne Yardley of Elmco Stewart, Kelley Gilfoy of Spec Sales and Chris Sweeney of Spec Sales.
The Southern California Chapter of SFPE is hosting the 2019 Fire Protection Engineering Symposium. Invited speakers will present hot topics in the fire protection industry. Also, the newest fire safety technologies will be exhibited. Proceeds benefit the Chapter Scholarship Fund. Come learn about fire protection engineering and support students.

**AGENDA**

7:00 – 8:00  Registration (*continental breakfast*)
8:00 – 8:15  Welcome
8:15 – 8:30  *Cal Poly Fire Protection Engineering Program Update*, Dr. Rick Emberley, Cal Poly SLO
8:30 – 8:45  *California State Fire Marshal’s Programs Update*, Chief Mike Richwine, Acting State Fire Marshal
8:45 – 9:45  *Energy Storage Systems*, Howard Hopper, Underwriters Laboratories
9:45 – 10:00  Break with Exhibitors (*refreshments*)
10:00 – 11:00  *Automated Retrieval System Protection*, Wes Baker, FM Global
11:00 – 12:00  *New Technology in Fire Alarms*, Dr. Shane Clary, Bay Alarm
12:00 – 1:00  Lunch with Exhibitors (*lunch*)
1:00 – 1:45  *3D Printed Buildings*, Howard Hopper, Underwriters Laboratories
1:45 – 2:45  *2019 California Building Code Update*, Kevin Reinertson, CAL-Fire Riverside County
2:45 – 3:00  Break with Exhibitors (*refreshments*)
3:00 – 3:15  *Fire Protection Engineering as a Career*, Nicole Testa Boston, Society of Fire Protection Engineers
4:15 – 4:30  Final Thoughts

<table>
<thead>
<tr>
<th>Registration, including lunch</th>
<th>By September 19</th>
<th>After September 19</th>
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<tbody>
<tr>
<td>Member Southern California Chapter of SFPE</td>
<td>$145</td>
<td>$170</td>
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<tr>
<td>Non-Member</td>
<td>$190</td>
<td>$215</td>
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<tr>
<td>Non-Member Registration + Membership</td>
<td>$170</td>
<td>$195</td>
</tr>
<tr>
<td>AHJ/Code Official/Fire Service</td>
<td>$120</td>
<td>$145</td>
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<tr>
<td>Student (Valid college I.D. required)</td>
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<td>$120</td>
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<tr>
<td>Exhibitor (1 person/2 persons)</td>
<td>$400/$500</td>
<td>$400/$500</td>
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</tbody>
</table>

To register visit the chapter web site [www.sfpeSoCal.org](http://www.sfpeSoCal.org). For questions, contact us at [webmaster@sfpeSoCal.org](mailto:webmaster@sfpeSoCal.org). Sponsorship opportunities: Morning or Afternoon Breaks - $1,000; Continental Breakfast - $1,500; Lunch - $5,000.
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Water Connects Us
ASPE NEWS
Page 10

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Rule of thumb, If rain falls on contaminated surfaces washing pollutants into the environment it may be illegal.

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LEED Platinum-Certified Apartment Building Uses Submetering to Dramatically Reduce Water Consumption

PROJECT BACKGROUND

A 32-story, new construction, 500-unit apartment building known as 360 State Street in New Haven, Connecticut, wanted to install an innovative submetering system to track the residents’ water & hot water heating data while providing tenants with an easy-to-use web portal to access and manage their utility data.

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 43 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

To request information on H2O Degree leak protection and submetering solutions contact our local representative Keyline Sales at (562) 904-3910.

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# ENVIRONMENTAL PRODUCTS

<table>
<thead>
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<th>Company</th>
<th>Product Description</th>
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<tr>
<td>Xerxes</td>
<td>High Volume Fiberglass Grease Interceptor</td>
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<tr>
<td></td>
<td>Oil Water Separators &amp; Storm Water Tanks</td>
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<tr>
<td>Grease Guardian</td>
<td>Point of Source Grease Removal Device</td>
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<tr>
<td>FogEnforcer</td>
<td>Ultra High Super Capacity Grease Interceptors</td>
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<tr>
<td>Franke</td>
<td>Commercial and Sanitary Solutions</td>
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# PUMPS, PUMP SYSTEMS & CONTROLS

<table>
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<tr>
<th>Company</th>
<th>Product Description</th>
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<tbody>
<tr>
<td>Ebara</td>
<td>FM Cast Iron &amp; CSA Stainless Steel Pumps</td>
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<tr>
<td>Goulds Pumps</td>
<td>CSA Cast Iron &amp; Stainless Steel Pumps</td>
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<tr>
<td>Landia</td>
<td>Cutter Pumps Submersible &amp; Vertical Column</td>
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<tr>
<td>Sulzer / ABS</td>
<td>FM &amp; CSA Submersible Pumps &amp; Mixers</td>
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<tr>
<td>Ashland Pump</td>
<td>CSA Cast Iron Sump &amp; Sewage Pumps</td>
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<tr>
<td>Tramco Pumps</td>
<td>Vertical Column Sump &amp; Sewage Pumps</td>
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<tr>
<td>Topp Industries</td>
<td>Fiberglass Basins, Packaged Lift Stations</td>
</tr>
<tr>
<td>VC Systems</td>
<td>NSF/ANSI 61 &amp; 372 Booster Systems</td>
</tr>
<tr>
<td>Watertronics</td>
<td>Rainwater / Stormwater Harvesting Systems</td>
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MEMBERSHIP REPORT  
John Zagorski  
V.P. Membership

ATTENTION ALL LOS ANGELES ASPE MEMBERS

Please help me in welcoming the following new members: Ai Ngo has joined LA from New Jersey Chapter, David Landau has joined LA from Orange County Chapter, Robert Morgan with Limbach Inc., Changon Kim, & Jonathan Rubin with Murray Company. We hope to see you all at the next dinner meeting.

My apologies for not having more information about our new members as the info that National sends me is what I pass on to you.

Here’s the latest & greatest membership deal: with a 2-year commitment, all new members will receive 4 free dinner meetings! Upon joining for the first year, you will receive 2 free dinner meetings & when you renew for the 2nd year, you will then get 2 more free dinner meetings! Sponsors of new members will also continue to receive a free dinner meeting when you bring the new member to the meeting with their completed application & payment.

Should anyone need a current membership application, please do not hesitate to contact me as your VP Membership at jzagorski@mlsalesinc.com. You are also welcome to call me at 562-447-4561.

I will see you all at the September 11th dinner meeting @ Monterey Hill Restaurant in Monterey Park, Be There or Be Square!!

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- Drop-in Halon Replacement
- In Cabinet / Small-Space Protection
- CO₂ Systems

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- Linear Heat Detection
- Air Sampling
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- De-energize equipment during a fire
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- Safely shutdown equipment during a flood or sprinkler system discharge
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Please join us, the ASPE-LA BOD, in welcoming and congratulating them.

Please join us at the ASPE-LA Chapter Overnight Picnic, September 7-8, 2019, see flyer included in the newsletter.

We also wanted to welcome the following new member of the Los Angeles Chapter. Please extend your welcome and hello to all when you see them at the meeting.

- Robert Morgan
- David Landau
- Changon Kim
- Miguel Pelayo
- Jonathan Rubin

For the month of September, please remember that our meeting will be held on September 11, 2019 and we will have Mr. Zay Soe, PE of Arup-LA, who will be presenting on “WHO SAID OVERSIZING IS ALWAYS GOOD?” See flyer for the synopsis of his topic. Please do not miss to attend this meeting and hope to see you all.

Lastly, please note that registration for the 2019 Technical Symposium is now open. It will be held at the Wyndham Grand Pittsburgh Hotel from October 24 to 27, 2019. Register now at aspe.org/2019tech.

😊
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