



# CONNECTIONS

October 2022 Volume 22 Issue 2

Newsletter of the  
Structural Engineers  
Association of Oregon

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SEAO has a LinkedIn account  
and can be followed at [SEAO  
LinkedIn Page](#).

## Upcoming SEAO Meetings and Events:

### Tuesday, October 18, 2022: SEAO Lunch Chapter Meeting

Topic: PT Decks & Full Site Aerial Mapping

Time: 11:30 am to 1:00 pm

Location: Portland City Grill, US Bancorp Tower, 111 SW 5th Ave, 30th floor, Portland, OR

PDH: 1 Hour (no credit to Affiliate Member)

Cost: \$35 Member; \$45 Non-Member

See Page 3 for additional information.

### Wednesday, October 19 and Thursday, October 20, 2022: NCSEA CalOES Safety Assessment Program (SAP) Two-Day Training Session

Time: 10:00 am to 1:00 pm

Location: Virtual

Cost: \$75 Maximum for Two-Day Session

See Pages 6 and 7 for additional information.

### Thursday, October 20, 2022: SEAO YMF Happy Hour

Time: 5:30 pm

Location: Spirit of 77, 500 NE Martin Luther King Jr. Blvd, Portland, OR

See Page 4 for additional information.

### Monday, October 24, 2022: Mass Timber Conference Call for Speaker Submission Deadline

See Page 4 for additional information.

### Tuesday, November 1 through Friday, November 4, 2022: NCSEA Structural Engineering Summit

Location: Hilton Chicago, 720 South Michigan Avenue, Chicago, IL

PDHs Possible: 14.5 Hours

See Page 5 for additional information.

**SEAO is Moving Chapter Meeting Dates to Tuesdays Earlier in the Month starting in September 2022—Save the Following Dates for Future Meetings. SEAO will also be moving to in-person meetings starting September 2022**

Tuesday, January 10, 2023: In-Person Lunch Meeting

Tuesday, February 14, 2023: In-Person Lunch Meeting

Tuesday, April 11, 2023: In-Person Tradeshow & Mini-Seminars

### Wednesday, January 18, 2023: SEAO Winter Seminar (SAVE THE DATE)

Topic: Future OSSC and ORSC Adoption Based on 2024 I-Codes and Ground Snow Loads  
ASCE 7-22 Ground Snow Load Geodatabase

Time: TBD

Location: TBD

PDH & Costs: TBD

**CONNECTIONS** is a monthly publication of the Structural Engineers Association of Oregon, published to disseminate current news to our membership and others involved in the profession of structural engineering. The opinions expressed reflect those of the author and, except where noted, do not represent a position of SEAO.

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## BOARD OF DIRECTORS

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## PRESIDENT'S MESSAGE

*BY: PEDER GOLBERG*

SEAO Members,



First, I want to say that I am excited and honored to serve as President. I was first introduced to SEAO in the mid-90s when I started working in Portland and have been a “lurking” member for many years (to the chagrin to my boss at that time). My thinking was that with work, raising kids, and having/wanting some time for myself, I would someday get more involved when my time frees up. Time never really frees up, as it is always filled with something, but now is that time for me to give back to SEAO. As a feature of my term, I want to promote the education and knowledge that our committees have to offer to our members and I plan on highlighting one of the SEAO committees each month.

SEAO thrives because of all the volunteers that provide countless hours and passion to help support our profession. I want to start with thanking the outgoing board: Dusty Andrews as the outgoing past president; David Linton as the outgoing president; Mike Daily as the outgoing treasurer; and Eric Davis and the outgoing director. I'd also like to recognize our new board: Jared Lewis for stepping up as the new vice president; Nisarg Mehta for continuing as one of the directors; Kylean Gunhus as our new treasurer; Christopher Carroll as the new secretary; and Sarah Johnson as the new director. Any many thanks, of course, to Jane Ellsworth, our executive secretary.

Additionally, many thanks to our committee chairs: Membership – JoMarie Farrell who makes this newsletter happen; Continuing Education – Andy Stember; Advocacy – Seth Thomas for keeping up the website, Michelle Juarez for Engineers week, Eric Esqueda and Emma Olds for the Young Members, and Annabel Shepard for SE3; Program/Monthly Meetings – OPEN (insert your name here?); Brynn Adkins for Awards; Jane Ellsworth for the Golf Tourney (my favorite event over the years); and Kevin McCormick for Conferences. SEER is chaired by David Tarries. Our Code Advisory Committees include: Seismic — Reid Zimmerman, Wind — OPEN (insert your name here!), Snow load — Andy Stember, Code — Eric Watson, Vintage Building — Jennifer Eggers, and Special Inspection — Eric Watson.

The dedication of these individuals in those positions is very important to keep us going, and I want to push them some in the coming year to increase the educational aspects of SEAO to the benefit of our collective group.

The other challenge that I am looking forward to is the return of our organization to a new normal post-pandemic and to bring back the traditions. The intention is that we will be bringing back in-person meetings, seminars, the trade show, etc. I sure hope the environment cooperates.

Peder

## SEAO COMMITTEES

### CODE ADVISORY COMMITTEE

Seismic  
*Reid Zimmerman*  
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Wind  
*OPEN CHAIR*

Snow Load  
*Andy Stember*  
andy@jasenginc.com

Code  
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Vintage Building  
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Awards  
*Brynn Adkins*  
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### ADVOCACY COMMITTEE

Website  
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Young Member Forum  
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### CONTINUING EDUCATION COMMITTEE

Seminars  
*Andy Stember*  
andy@jasenginc.com

### MEMBERSHIP COMMITTEE

Newsletter  
*JoMarie Farrell*  
jomarie@equilibriumllc.com

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*Jane Ellsworth*  
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### DELEGATES

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dlinton@mcknze.com

*Seth Thomas (Alternate)*  
seth.thomas@kpff.com

## OCTOBER CHAPTER MEETING TUESDAY, OCTOBER 18, 2022, 11:30 AM–1:00 PM

### Topic: Post-Tensioned Decks and Full Site Aerial Mapping

**Description:** Over the last 11 years BD Aerial company has participated in many industries utilizing drone technology, and in the last 5 years has focused mainly on aerial mapping deliverables for construction. The deliverables produced from BD Aerial's mapping service come in the form of high-resolution orthomosaic images with CAD overlays and/or planimetrics, high-density colorized point clouds, and DEMs/DTMs. These deliverables are produced and verified using a licensed photogrammetrist or Lidar specialist and tied to GPS survey or the local survey control of a specific project. Currently, BD Aerial's service is being used mostly for pre-pour concrete PT decks and full site aerial surveying. During the lunch presentation, Brian will discuss the benefits of this technology and how his clients are benefiting from the deliverables.

**Speaker:** Brian Dalrymple, President, BD Aerial

BD Aerial is a Portland, Oregon drone services company. BD Aerial was established in 2012 and is a leader in using UAS for aerial cinema and to safely inspect and document construction and industrial assets. BD Aerial started in the Pacific Northwest and quickly became a preferred UAS service provider across the Nation; Now operating Worldwide with companies like Discovery Channel, National Geographic, and several large construction and utility clients. BD Aerial flies payloads including RED Epic, precision LiDAR systems, UV and Infrared sensors, and high resolution cameras for photos, videos, and photogrammetry. Using unmanned aircrafts, BD Aerial captures actionable data for construction as-built documentation, surveying high-risk landslide areas, maintenance inspections, engineering documentation, and more. BD Aerial's pilots and contractors are fully compliant with FAA regulations and operate in all 50 States.



**Location:** Portland City Grill, 111 SW Fifth Avenue, 30th Floor, Portland, OR

Parking information: 2.5 hours of validated parking is included for attendees in either of the two Unico garages. There are 200 spaces in the garage below the tower and 500-plus spaces in the parking structure between 5th and 4th Avenues.

**Time:** 11:30 am — Check-in and Lunch Buffet  
Noon — Program

**Cost:** \$35 — Prepaid Members  
\$45 — Prepaid Non-Members  
\$20 — Students

**Reservations:** Pre-registration is required for all. You can register and pay online at <https://www.seao.org/events/oct2022/pt-decks-full-site-aerial-mapping> before 5 pm, Friday, October 14. You can also register with Jane Ellsworth via phone at (503)753-3075 or via Email: [jane@seao.org](mailto:jane@seao.org). Note: No-shows will be billed.

**PDH Credit:** One PDH has been recommended for this program.

**Questions:** Contact Jane Ellsworth at [jane@seao.org](mailto:jane@seao.org)

## DUES REMINDER

Annual dues for SEAO membership are due on October 31, 2022.

You can make checks payable to SEAO and mail to:

9220 SW Barbur Blvd, No. 119

Portland, OR 97219

Or renew online using a credit card by going to

[www.seao.org](http://www.seao.org)

Renewals:

Member (licensed PE in Oregon): \$125

Affiliate Member (unlicensed): \$110

Student Member (full-time student in Civil  
or Structural Engineering): \$20

Life Members, Retired Members/Affiliates, or  
Professors: \$25

Membership must be current (dues paid) to have your name included in our annual roster.

To update our records, please be sure that we have your correct address, name of your company, current phone number, and your email address. This will guarantee that you are receiving all correspondence and information from SEAO. You can update your information online or if you have any questions contact [jane@seao.org](mailto:jane@seao.org).

## ASK A QUESTION, GET AN ANSWER

Do you have a code question you would like to ask the Wind Committee or Snow Committee?

SEAO is pleased to provide a simple way for Q&A's with technical committees. Email questions to [jane@seao.org](mailto:jane@seao.org), and SEAO will direct your question to the appropriate committee chair for a response.

Questions and their answers will be made anonymous and available to the membership on the website [www.seao.org](http://www.seao.org). Committees include: Seismic, Wind, Snow, Code, Vintage Building, and Special Inspections.

## YMF UPDATE BY EMMA OLDS

YMF will be having their next happy hour gathering on October 20, 2022 at Spirit of 77 at 500 NE Martin Luther King Jr. Blvd in Portland, Oregon starting at 5:30 pm.

YMF's gatherings continue to be held in person every third Thursday of the month, so mark your calendars.

If you would like to be added to the email distribution list that announces future YMF events to their members, please email [ymf.seao@gmail.com](mailto:ymf.seao@gmail.com). If you ask to be added and don't see emails from YMF, please check your spam folder as it is distributed as a mass email and some servers read them as spam until you add them to your "safe senders" list.

## MASS TIMBER CONFERENCE CALL FOR SPEAKERS

The International Mass Timber Conference will be held March 27—29, 2023, at the Oregon Convention Center in Portland, Oregon.

The conference has put out a call for speakers with a submission deadline of Monday, October 24, 2022.

The conference welcome solo presentations, roundtable discussions, and other ideas for compelling content in 2023 based on the track topics below:

**Track 1:** Is Housing Mass Timber's Next Big Thing?

**Track 2:** Enabling Long Term Success by Sharing Lessons Learned

**Track 3:** Sustainability Throughout the Supply Chain

**Track 4:** Dispelling Myths Regarding Budgets, Estimates, Cost and Returns

Presentation benefits include: one complimentary full attendee pass; exposure on the conference website, mobile app, event signage, and potentially on social media; exposure in front of the global industry leaders who attend the speaker's panel.



## CODE ADOPTION UPDATE

### STATE OF OREGON:

The State of Oregon has adopted the 2022 Oregon Structural Specialty Code (OSSC) effective October 1, 2022 with a 6-month phase-in period. The use of the 2022 OSSC will be mandatory starting April 1, 2023. Between October 1, 2022 and March 31, 2023, use of the 2019 OSSC or the 2022 OSSC is permitted.

The 2022 OSSC is based on the 2021 International Building Code (IBC). The ASCE 7-16 with Supplements 1, 2, and 3 will remain the design standard for Minimum Design Loads and Associated Criteria for Buildings and Other Structures.

The published codebook is anticipated to become available for purchase in mid-November 2022. The read-only online version is anticipated to become available and posted on the “Oregon.gov/bcd/codes-stand” page in late November 2022.

A summary of amendments to the base code can be found at <https://www.oregon.gov/bcd/codes-stand/Documents/22ossc-amendment-summary.pdf>.

### STATE OF WASHINGTON:

The State of Washington is currently in the code review and adoption process. It is anticipated that they will adopt the 2021 IBC by end of the year.

At this time, the State of Washington requires the use of the 2018 Washington State Building Code which references the 2018 IBC.

It is anticipated that the State will use July 1, 2023 as the effective date for the new codes.

Information on the State of Washington’s code adoption process can be found at <https://sbcc.wa.gov/2021-code-adoption-cycle>.

## NCSEA 2022 STRUCTURAL ENGINEER SUMMIT NOVEMBER 1–4, 2022 *CHICAGO HILTON IN CHICAGO, IL*



Join us in Chicago this fall to engage with the best and brightest practicing structural engineers nationwide. Interact with and learn from leaders in the field, curious problem solvers, and expert speakers. Stay current on advancements and best practices in structural engineering and building and design codes—in education sessions and in the Exhibit Hall. Discuss technical, business, and industry challenges—and work toward solutions in a collaborative community. Build your business and leadership skills. Reconnect and network with those in your professional community.

Registration for the 2022 Structural Engineering Summit includes access to all education sessions on November 2–4, the best-in-class exhibit hall, and several networking events including a Wednesday evening Cocktail Reception in the exhibit hall. Lunch and coffee are provided on November 2 and 3.

The Awards Celebration is on Thursday, November 3. An additional fee is required beyond your Summit basic registration. In addition, plan to join us for the pre-conference education and special events throughout the week.

Visit <https://www.ncseasummit.com/registration> for more information on registration, awards and scholarships, the program, and hotel and local information.

Additional registration fees are required for some events, including the Awards Celebration, Chicago River Cruise, Women in the Built World Networking Lunch, and the Atlas Tube Mill Tour.

Programming will offer up to 14.5 hours of professional development credits.

## NCSEA UPCOMING LIVE WEBINARS

**October 18, 2022, 10 am Pacific Time (Fee for Webinar)**

**Lessons Learned from North America's Largest Mass Timber Building**

Speaker: Megan Stringer, SE, Associate Principal, Holmes North America's largest mass timber building opened Summer 2021. Located in the heart of Silicon Valley, the new campus consists of 645,000 sf of commercial office space, a 550,000 sf parking structure, and fitness and wellness center. Designing and constructing mass timber buildings requires a complete transformation of the traditional design process. Special consideration needs to be taken in regards to material procurement, fabrication, integration with other trades, tolerance with other building materials, and given that mass timber is a newer (to the US) material, to permitting. This presentation will highlight the benefits and challenges of using mass timber and illustrate the lessons learned from this project as well as from other recent mass timber projects. (1.5 PDH)

**October 19, 2022, 10 am to 1 pm Pacific Time (\$75 Fee)**

**CalOES Safety Assessment Program: Day 1**

Speaker: Derek Hanson, PE, President of Structural Engineering Excellence, Inc., and Klaus Perkins, PE, SE, Associate Principal and Structural Department Head at Clark Nexsen, Inc.

This California Office of Emergency Services (CalOES) Safety Assessment Program (SAP), presented by NCSEA, is based on ATC-20/45 methodologies and forms. This SAP training course provides engineers, architects and code-enforcement professionals with the basic skills required to perform safety assessments of structures following disasters. Licensed design professionals and certified building officials will be eligible for SAP Evaluator certification and credentials following completion of this program and submission of required documentation.

This is Day 1 of the CalOES Safety Assessment Program.

**October 20, 2022, 10 am to 1 pm Pacific Time (Fee Included with Day 1 Registration)**

**CalOES Safety Assessment Program: Day 2**

Speaker: Derek Hanson, PE, President of Structural Engineering Excellence, Inc., and Klaus Perkins, P.E., S.E., Associate Principal and Structural Department Head at Clark Nexsen, Inc.

This is Day 2 of the CalOES Safety Assessment Program.

**November 10, 2022, 10:00 am PDT (Fee for Webinar)**

**Pour Strips—Designing for Construction Productivity & Safety**

Speaker: Jared Reigstad, PE, Vice President, Reigstad Engineers, Inc.

Pour strips are designed to control shrinkage, creep and elastic shortening in post-tensioned and cast-in-place concrete but they add extra costs, construction delays, and safety issues. Engineers can reduce these problems, provide for higher quality, and increase productivity by being mindful of forming, shoring, reshoring, and back shoring when designing pour strips. In this presentation, we will discuss best practices for designing pour strips in post-tensioned and cast-in-place concrete. We will demonstrate how pour strip placement and design can be done to

reduce costs, accelerate construction, and improve safety, which increases overall project productivity. We will also discuss different products on the market that eliminate pour strips, including lockable dowels and mechanical reinforcement splice systems that allow for temporary movement. (1.5 PDH)

**November 22, 2022, 10:00 am Pacific Time (Fee for Webinar)**

**Shoring and Load Transfer in Renovations of Existing Buildings**

Speaker: Ciro Cuono, PE, Principal, Cuono Engineering, PLLC

It is often a better use of resources to reuse and adapt an existing building rather demolishing and rebuilding new. One interesting aspect of renovations and adaptive re-uses to a structural engineer is when a new design program requires removal of columns or walls. This is significantly more challenging than modifying a floor system, especially in an occupied building. This webinar will explore the permanent and temporary works involved in transferring loads on existing columns and walls. It will consider transfer girders and trusses and topics such as preloading, hydraulic jacking and sequencing. Considerations from the engineering designer as well as contractor and steel erector will be explored. (1.0 PDH)

**December 8, 2022, 10:00 am Pacific Time (Fee for Webinar)**

**Enlightening Insights into Light Pole Design & Maintenance**

Speaker: Noah Fehrenbacher, PE, SE, and Leah Ruther, PE, Wiss, Janney, Elstner (WJE)

Light poles are nearly universal structures that line our streetways, sidewalks, parking lots, athletic fields, and more. While the luminaires that illuminate paths for pedestrian or vehicular traffic are the common focus of maintenance efforts, maintenance of the poles and anchorage systems supporting them is often overlooked. In this one-hour webinar, WJE engineers Leah Ruther and Noah Fehrenbacher will discuss the general components of light poles, common failure mechanisms, recommended light pole maintenance, when replacement is recommended and design and analysis considerations for new or replacement poles. This presentation will feature real world examples of deterioration and failures of light poles which have generally occurred due to poorly planned maintenance and deferred repairs along with tips on inspection protocols, non-destructive techniques, and asset management considerations. (1.0 PDH)

There are also recorded webinars that can be purchased for professional development hours (PDHs) online at <https://www.pathlms.com/ncsea>.

## SEER UPDATE FALL 2022

BY DAVID TARRIES

OrSAP is starting to create training modules based on ATC 20/45. It may be another year before the kinks are worked out and OrSAP-specific training is provided. If you have an interest in providing input for the training or would like to know more about how to become a trainer in the future, please email [seer@seao.org](mailto:seer@seao.org).

In the meantime, if engineers are interested in post-disaster evaluation training, OrSAP has indicated they will be accepting evaluators credentials from an established state program such as, but not limited to, Cal OES SAP or WAsafe. They may also be able to accept those with documented ATC 20/45 training. More specifics of this reciprocity process will be provided in the near future, so please stay tuned to our future updates.

There is an upcoming Cal OES SAP training program being provided by NCSEA. It will be held on October 19 and 20, starting at 10 a.m. Pacific Time both days. The 2-day session will be online and will last 3 hours each day. The cost of the course starts at \$75 per person for up to 5 people. Registration costs are reduced based on the number of people registering from a company. If anyone would like more information or a link to register, please see page 6, email [seer@seao.org](mailto:seer@seao.org), or use the following link: [CalOES Safety Assessment Program October 2022: Day 1 | NCSEA Education Portal \(pathlms.com\)](https://caloes.org/education/assessment-program/october-2022/day-1-ncsea-education-portal/pathlms.com).

There are a few options each year for online Cal OES SAP training, so please contact [seer@seao.org](mailto:seer@seao.org) if you would like assistance finding future training sessions.

## AWC FREE WEBINARS

AWC offers a number of free eCourses that will provide PDH credits to those that sign up. Simply login to AWC to create a free account at the following link: <https://woodcouncil.mclms.net/en/>.

Upcoming free eCourses include:

Thursday, October 20, 2022: 11 am—12:30 pm  
Mass Timber in Housing: Aesthetics, Affordability and Sustainability (Course No. CB710) (1.5 PDH) Link: <https://account.awc.org/events/GB710%20Mass%20Timber%20in%20Housing%20Aesthetics%20Affordability%20%20Sustainability-24/details>.

Thursday, November 17, 2022:—Save the Date  
Time: TBD  
CLT Shear Wall Example (Course No. DES337)

## 2023 SEAO TRADE SHOW

Save the Date! The 2023 SEAO trade show will be held on April 11, 2023 at the Monarch Hotel in Clackamas, Oregon. SEAO is now accepting registration for Pre-show mini-seminars and for vendor booths in the exhibitor hall.

SEAO will also be holding a raffle during the trade show to raise money for the SEAOSF (Scholarship Foundation) scholarships. Donations to the raffle are greatly appreciated. Donations will be announced at the raffle and in the newsletter for additional name exposure.

See Page 10 for a flyer providing more information and fees for exhibiting goods and/or services and for making donations.

Look for information in future newsletters for additional information on trade show and mini-seminars.

## EMPLOYMENT OPPORTUNITIES

### VALAR CONSULTING ENGINEERS

**BIM Modeler/Drafter**  
Portland, OR

Valar Consulting Engineering: LOCAL-COLLABORATIVE-FAMILY ORIENTATED-MINORITY OWNED – structural engineering firm based in Happy Valley with an opening for a **BIM Modeler/Drafter** to join our expanding team having the ability to:

- Model/draft/compile sets of structural documents
- Effectively coordinate Revit models provided by Architects and sub-consultants
- Understand fine detailing of concrete, steel, and wood framing
- Adapt to a wide range of project types and scales.
- Collaborate well with engineers and architects and committed to delivering quality projects.
- Minimum of 5 years' experience
- Appreciate a flexible office and work-life balance

Please visit <https://valarengineering.com> to learn more about Valar Consulting Engineering LLC. Please send resumes to [info@valarengineering.com](mailto:info@valarengineering.com).

### EQUILIBRIUM ENGINEERS

**Structural Engineer**  
Portland, OR



ELEPHANTS, TIGERS and CHIMPS oh my! Zoos are not all we do, but if this caught your eye you might be the person we are looking for. Equilibrium Engineers is a small structural engineering firm founded on the principle of balance between work and life. We strive to provide all of our engineers opportunities to work on interesting, diverse projects in a collaborative and supportive setting that is conducive to both professional growth and personal fulfillment. We are currently seeking structural engineers with 0 to 5 years of experience, EIT certification and a willingness learn and grow with the firm. U.S. citizenship is preferred. To learn more about who we are and what we do, visit [www.equilibriumllc.com](http://www.equilibriumllc.com). If you are interested in joining us, send your resume and a cover letter to [edq@equilibriumllc.com](mailto:edq@equilibriumllc.com).

### CATENA ENGINEERS

**Structural Engineer**  
Portland, OR

catena consulting engineers provides the personal environment of a small firm while providing the opportunity to work on a variety of projects. Our projects vary in size from a single day's effort to large projects with construction values in excess of \$300 million. You will gain design experience in concrete, steel, timber, and masonry buildings and will work on a wide variety of project types including buildings created for healing, learning, living, and interacting. Due to the technical complexity and challenge of many of our projects, we seek engineers that hold a Masters degree, and that have a desire to learn, grow, and be challenged. U.S. citizenship is preferred. We are currently seeking engineers at all levels of experience in structural engineering for buildings. For a detailed advertisement and to submit your resume, visit our website <http://www.catenengineers.com/opportunities.php>

### PACE ENGINEERS

**Structural Engineering Group Manager**  
Lake Oswego, OR

Are you looking to become a bigger fish in a medium-sized pond? PACE needs a new group manager to take the baton! We have a team of nine (9) SEs or PEs, and five (5) structural designers. We complete projects for private and public sector clients throughout the PNW, the Mountain West, and beyond. Projects include hydraulic structures; roadway, pedestrian, and utility bridges; building and non-building structures; and contractor and vendor services. Opportunities include a supportive culture that cultivates technical, PM, BD, and managerial growth in a hybrid work environment.

PACE is a team of 130 civil and structural engineers, surveyors, and GIS professionals located in Lake Oswego, OR and Kirkland, Everett, and Wenatchee, WA. See [www.paceengrs.com](http://www.paceengrs.com) or contact HR manager, Karmell Dawson at [karmelld@paceengrs.com](mailto:karmelld@paceengrs.com) for more information.



## EMPLOYMENT OPPORTUNITIES (CONT.)

### VLMK ENGINEERING & DESIGN

Structural Engineer

Portland, OR



VLMK Engineering + Design is accepting applications for qualified Structural Engineers who are passionate about engineering and want to broaden their experience working in a collaborative, multifaceted environment with a variety of project and building types. Openings are available for a range of experience levels in several office locations.

If you want to tackle new challenges and expand your abilities with a dynamic and growing company, please see the full postings on our website at [www.vlmk.com](http://www.vlmk.com) for additional requirements and the benefits of joining VLMK. If you have questions please feel free to contact Trent Nagele at [trent@vlmk.com](mailto:trent@vlmk.com).



STRUCTURAL ENGINEERS ASSOCIATION OF OREGON

# 2022 ANNUAL TRADE SHOW

**WHAT:** Annual Trade Show to benefit the  
SEAO Scholarship Foundation

**WHERE:** **Monarch Hotel in Clackamas**  
(Sunnyside Road exit off I-205)

**WHEN:** **Tuesday, April 11th, 2023**

5:00 PM - 8:00 PM

Booth set-up: 1:00 PM

Booth break down: 8:00 PM



**FORMAT:** There are two opportunities for exhibiting goods and/or services.

**1.** Pre-show seminars. The seminars will last for 1 hour with a 15-minute breakdown and set-up period between seminars. Seminar slots go quickly so register early. Laptop & projector are vendor responsibility to supply. 1 PDH is recommended per seminar.

**2.** Booth - 10' with 8' table. As before, dinner and drink tickets will be given to attendees as they check in. The exhibitors must initial the tickets before the tickets can be redeemed for a free drink or meal.

**CONTACT:** Jane Ellsworth

Phone: (503) 753-3075 / E-mail: jane@seao.org

**COST:**

## SEAO MEMBERS *(Select all that apply)*

☐ Mini Seminar **\$235** ☐ Booth **\$550** ☐ Late Fee **\$75**  
Includes electricity Includes electricity Additional after 2/16/2022

## NON-MEMBERS *(Select all that apply)*

☐ Mini Seminar **\$310** ☐ Booth **\$650** ☐ Late Fee **\$75**  
Includes electricity Includes electricity Additional after 2/16/2022

Mini Seminar Title *(If checked above):*

**DONATIONS:**

We will be holding a raffle, and donations to the raffle are greatly appreciated. Vendor donations will be announced for additional name exposure.

Add Raffle  
Donation? ☐

YES

Donation Amount:

Company Name:

Contact Name:

Phone Number:

Email Address:

Total To Bill:

Pay By Credit Card:  
MAIL or EMAIL ☐

*By checking this box, you authorize the SEAOSF to run the credit card info below for the total amount.*

- OR - Pay By Check:  
MAIL ONLY ☐

*Make payable to "SEAOSF"*

**If mailing payment, send to: SEAOSF - 9220 SW Barbur Blvd, #119, PMB #336 - Portland, OR 97219**

Name:

As it appears on Credit Card

Credit Card #:

Credit Card Exp Date:

3-Digit Code:  
On back of Credit Card

Billing Zip Code: