



CONNECTIONS

September 2022 Volume 22 Issue 1

Newsletter of the
Structural Engineers
Association of Oregon

SEAO
9220 SW Barbur Blvd.
No. 119
PMB #336
Portland, OR 97219
Phone: (503) 753-3075
E-Mail: jane@seao.org
Website: www.seao.org

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Upcoming SEAO Meetings and Events:

Tuesday, October 18, 2022: SEAO Lunch Chapter Meeting

Topic: PT Slab Surveying
Time: 11:30 am to 1:00 pm
Location: Portland City Grill
PDH: 1 Hour (no credit to Affiliate Member)
Cost: \$35 Member; \$45 Non-Member

Various Dates September 15 through October 6, 2022: NCSEA Webinars

Time: 10 am PDT
Cost: Varies.
See Page 6 for Additional Information

Thursday, September 29 & Friday, September 30, 2022: OSBEELS Virtual Symposium

Location: Virtual
Cost: \$100
PDHs Possible: 14 Hours
Registration Closes September 16, 2022
Visit: www.oregon.gov/osbeels/aboutus/Pages/2022-Symposium.aspx for more 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, September 13, 2022: CANCELLED DUE TO SCHEDULING CONFLICTS~~

Tuesday, October 18, 2022: In-Person Lunch Meeting
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

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 6 for additional information.



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

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.

Send membership inquiries to:
9220 SW Barbur Blvd.
No. 119
PMB #336
Portland, OR 97219

PRESIDENT'S MESSAGE

BY: DAVID LINTON

SEAO Members,



Wow, what a summer it has been! As we start returning to a new normal post-pandemic, it seems like everybody is busy and catching up on missed vacations. Unfortunately, due to everybody being so busy we've had some difficulties with a few events. Everybody was so busy that we did not get enough applications for the SEAO Awards, so we have elected to cancel this year and will look to see what improvements we can make for next time. It is not like everybody stopped working on great projects. If you

have any suggestions, please send those to our awards committee of Brynn Adkins and JoMarie Farrell.

We are looking for a return to in-person speaker meetings this fall. Jane Ellsworth has been hard at work trying to secure a venue, which has been probably our biggest hurdle due to staffing shortages at most venues. To make these events successful we need you, our faithful members, to show up and help bring back the energy. We are always interested in ideas for speaker meetings, so please send any ideas to one of the board members. We have a full lineup of meetings planned for the upcoming year and will be circulating a calendar so everybody can start to plan ahead. In an effort to better serve our members across Oregon, we are planning to offer a virtual option for speaker meetings. More details to come!

A big part of our organization is our committees. For our committees to be successful and provide the most value to our membership it takes motivated and dedicated leaders. If you are interested in being part of a committee, please reach out to a committee chair or the board. You don't have to be an "expert" to bring value and help push initiatives forward. We are always looking for new members to help keep up the positive momentum on these various groups. See the website for a full list of our committees.

Speaking of members volunteering their time, it is that time of year where we transition some of our board members. After our September board meeting, I hand over the keys to the car to Peder Golberg as the new President. In addition, we welcome three new board members: Kylean Gunhus, Christopher Carroll, and Sarah Johnson. They have big shoes to fill as we say goodbye to Dusty Andrews, Eric Davis, and Mike Daily. It has been a pleasure working with this group, and I am sure we will find ways to bring them into various SEAO initiatives.

I have high hopes for the upcoming year!

BOARD OF DIRECTORS

President
David Linton
Mackenzie
Ph: 503.224.9560
dlinton@mcknze.com

Vice President
Peder Golberg
James G. Pierson, Inc.
Ph: 503.226.1286
peder@jgpierson.com

Secretary
Jared Lewis
catena consulting engineers
Ph: 503.467.4980
jared@catenaengineers.com

Treasurer
Mike Daily
Lewis and Van Vleet, Inc.
Ph: 503.885.8605 ext. 404
miked@lvvi.com

Director
Nisarg Mehta
DCI Engineers, Inc.
Ph: 503.242.2448
nmehta@dc-engineers.com

Director
Eric Davis
Miller Consulting Engineers
Ph: 503.246.1250
ericd@miller-se.com

Past President
Dusty Andrews
Knife River Prestress
Ph: 541.995.4100
dusty.andrews@kniferiver.com

Executive Secretary
Jane Ellsworth
SEAO Staff
Ph: 503.753.3075
jane@seao.org

SEAO COMMITTEES

CODE ADVISORY COMMITTEE

Seismic

Reid Zimmerman

reid.zimmerman@kpff.com

Wind

OPEN CHAIR

Snow Load

Andy Stember

andy@jasenginc.com

Code

Eric Watson

eric@miller-se.com

Vintage Building

Jennifer Eggers

jennifer.eggers@holmesstructures.com

Special Inspections

Eric Watson

eric@miller-se.com

Mass Timber

Eric McDonnell

Eric.McDonnell@holmesstructures.com

STRUCTURAL ENGINEERS

EMERGENCY RESPONSE (SEER)

David Tarries

David.tarries@portlandoregon.gov

PROGRAM COMMITTEE

Monthly Meetings

Norm Faris

norm.faris@valarengineering.com

Awards

Brynn Adkins

badkins@tmrippsey.com

Golf Tournament

Stephen Stenberg

steez07@yahoo.com

Conferences

Kevin McCormick

kevin@miller-se.com

ADVOCACY COMMITTEE

Website

Seth Thomas

seth.thomas@kpff.com

Engineers Week

Michelle Juarez

michelle@miller-se.com

Young Member Forum

Eric Esqueda

erice@vmlk.com &

Emma Olds

eolds15@gmail.com

SE3

Annabel Shephard

shep.annabel@gmail.com

CONTINUING EDUCATION

COMMITTEE

Seminars

Andy Stember

andy@jasenginc.com

MEMBERSHIP COMMITTEE

Newsletter

JoMarie Farrell

jomarie@equilibriumllc.com

Roster

Jane Ellsworth

jane@seao.org

DELEGATES

NCSEA & WCSEA/NWC

David Linton

dlinton@mcknze.com

Seth Thomas (Alternate)

seth.thomas@kpff.com

2022 SEAOSF SCHOLARSHIP AWARDEES



The recipient of the **Susan M. Frey Memorial Scholarship** is **Baelie Werner**. Baelie is a graduate student at Oregon Institute of Technology. She is President of the student chapter of American Society of Civil Engineers & Associated General Contractors (ASCE-AGC), secretary of Tau Beta Pi Engineering Honors Society (TBP), a member of the Society of Women Engineers (SWE), and a member of the Institute of Transportation Engineers (ITE). Baelie is also a per consultant for the Oregon Tech Student Success Center and a Teaching Assistant for the Oregon Tech Civil Engineering Department. This summer she is working for DOWL as a Bridge Engineering Intern and hopes to work in the field of bridge engineering upon graduation.

The **Don Kramer Memorial Scholarship** winner is **Jacob Atkins**, a graduate student at Oregon State University. Prior to getting married, Jacob was a member of the Antioch Fraternity. He has been serving as the executive Chair of the OSU chapter of ASCE, held the positions of President of OSU's chapter of Xi Sigma Pi National Forestry Honor Society and president of the College of Forestry's FUSE club. Jacob holds a research position with the Wood Science department where he is assisting in the research of Mass Plywood Panel components for building projects. Jacob is pursuing a dual Master's degree in Structural Engineering and Wood Science.



An at-large scholarship recipient is **Nicholas Peterson**. Nicholas is a graduate student at Oregon State University. He is a member of the OSU student chapter of ASCE and served as the captain of the Steel Bridge team competing in AISC and ASCE sponsored events. After graduating from OSU, Nicholas would like to pursue a career focusing on seismic retrofits and analysis of existing structures.

An at-large scholarship recipient is **Payton Davidson**. Payton is a senior at George Fox University. She is a pole vaulter and group leader on the George Fox track and field team. Payton worked for Dyer Partnership Engineers and Planners the past two summers. After graduating, she plans to pursue a career in structural engineering.



2022-2023 SEAO BOARD

The following members have been elected to this year's Board and will be installed at the September Chapter meeting:

President: Peder Golberg

Vice President: Jared Lewis

Secretary: Christopher Carroll

Treasurer: Kylean Gunhus

Directors:
Sarah Johnson (1st Year of 2 year term)
Nisarg Mehta (2nd Year of 2-year term)

Past President: David Linton

Congratulations and many thanks to the incoming Board for the time and efforts they will provide over the course of the next year. We would also like to thank our outgoing board members, Dusty Andrews, Mike Daily, and Eric Steve Trautwein, Alexandra Stroud, and Eric Davis, for their time and support of SEAO!

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, 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. Committees include: Seismic, Wind, Snow, Code, Vintage Building, and Special Inspections.

NEW MEMBERS

Welcome to our new Members:

Juan Merida—Student
Tyler Redman—Hohbach-Lewin, Inc.
Arthur Fellows—Fisher Construction Group
Mahsa Mahdavian—ASC Steel Deck
Gary Lewis—Lewis & Van Vleet, Inc (returning member & past president of SEAO—Welcome Back!)
Jesse Stackhouse—McDowell NW Pile King
Nicholas Burnam—Eclipse Engineering
Zachary Eskrich—Mead & Hunt

WELCOME TO SEAO!

2022 SEAO EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS - CANCELLED

We want to thank those of you who submitted applications for this year's Excellence in Structural Engineering Awards.

We understand this year has been overwhelmingly busy for most of us, and unfortunately, we did not receive enough applications to move forward with this year's program. Refunds will be provided to those who applied, and your applications will still be eligible for next year's competition.

The SEAO Board will be finding a substitute speaker for the October dinner meeting on Tuesday, October 18th at the Portland City Grill. More information on that speaker will be provided as it becomes available.

Thank you again to those who submitted an application. We truly appreciate all of your continued support of the Awards program, and we look forward to seeing more entries next year.

Best,
The SEAO Excellence in Structural Engineering Awards Committee Brynn Adkins & JoMarie Farrell

YMF UPDATE BY EMMA OLDS

YMF will be having their next happy hour gathering on September 15, 2022 at Rogue East Side at 928 SE 9th Avenue in Portland, Oregon starting at 5:30 pm.

We also had an in-person Hilti demonstration on August 22, where we learned about different Hilti products and were able to install power actuated fasteners (PAFs) and epoxy anchors.



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 yfm.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.

NCSEA UPCOMING WEBINARS

September 15, 2022, 10 am PDT (Fee for Webinar)

Fundamentals of Bolting—Part 2: Organizations, Specifications, and Connections

Speaker: Jeff Greene, Vice President of Lejeune Bolt Company
This session will review responsible organizations and related key specifications. Review of common connection types for bolted steel connections. An explanation will be given regarding how connection design relates to bolt selection and use. Design limit states such as shear and bearing and slip critical connections will be discussed. Practical suggestions to minimize the potential for bolt related problems will be presented. (1.5 PDH)

September 22, 2022, 10 am PDT (Fee for Webinar)

Fundamentals of Bolting—Part 3: Ordering, Storing, Installing, and Inspecting

Speaker: Chad Larson, President of Lejeune Bolt Company
This session will focus on structural fastener installation methods. Recommendations on the best practices to achieve proper fastener tension will be given. The differences between just tight and tightened right, including inspection requirements for installation methods. The procedure for arbitration will be discussed for pretensioned and slip-critical joints. (1.5 PDH)

September 29, 2022, 10 am PDT (Fee for Webinar)

Fundamentals of Bolting—Part 4: Supplementary Requirements, Rotational Capacity Testing, New Standards, and Changes to Existing Standards

Speaker: Jeff Greene, Vice President of Lejeune Bolt Company
This session will provide an understanding of specific supplementary requirements for fasteners. Rotational capacity testing, inspection, and lubrication will be explained. A review of new standards and key changes to existing standards will be presented. (1.5 PDH)

October 6, 2022, 10:00 am PDT (Fee for Webinar)

Adaptive Reuse of the Historic Witherspoon Building

Speaker: D. Matthew Stuart, PE, SE, Pennoni Associates, Inc.
A case study of the adaptive reuse of the historic Witherspoon Building located in Center City Philadelphia. The material is based on a series of articles published in the STRUCTURE Magazine in the fall of 2021 and April of 2022; however, this presentation includes considerably more information about the structural investigations, designs and details associated with the same project. (1.5 PDH)

Visit NCSEA's website <http://www.ncsea.com/education/webinars/>

to view all upcoming webinars and to learn how to sign up for their subscription service.

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.

Early registration discount pricing is available for those that register before September 30. 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.

2022 SEAO/OACI ANNUAL GOLF TOURNAMENT RESULTS

This year's golf tournament was a huge success. It was held at Langdon Farms Golf Club in Aurora, Oregon on August 10, 2022. It was a festive day of golf and finished with a delicious dinner, awards for winners, and a raffle. The winners include the following:

1st Place—\$100 Award

Korey Shimojima, Pioneer Waterproofing
Jared Cooper, Pioneer Waterproofing
Andrew Larson, Pioneer Waterproofing
Neil Antonini, Pioneer Waterproofing

2nd Place—\$50 Award

Sam Jewell, Knife River
Wyatt Dean
Correy Groshong
Levi Dean

3rd Place—\$25 Award

Dave Dillon, Euclid
Robert Ramirez, Masons Supply
Kelly Alexander, Euclid

LONG DRIVE- \$50 Award

Hole #5—Ryan Guay, KPFF Consulting Engineers
Hole #12—Jerred Seamons, Larusso

KP—\$50 Award

Hole #3—Sean Owen, Fiber Force
Hole #13—Bryce Gruba, Dayton Superior

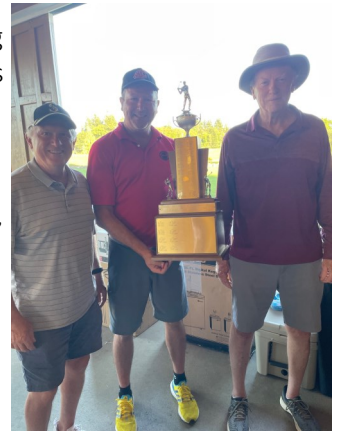
RAFFLE PRIZE WINNERS

Fishing Trip for 4—Troy Love—Larusso
65" TV – Dave Dillon – Euclid
Traeger Grill—Corey Zelarde – Pence Kelly Concrete
Blackstone 36" Grille—Tom Balilonis—Knife River
Kegeerator—Dusty Andrews—Knife River
Yeti Cooler 35—Jerred Seamons—Larusso
Yeti Cooler 65—David Raleigh—OSU Retired Professor
Yeti 12 Pack—Simon Buchan
Drone—Robert Ramirez—Masons Supply
Garmin Watch—David Dillon—Euclid
Chainsaw Stihl—Corey Zelarde—Pence Kelly Concrete
Bluetooth Speaker Bose—Katie Banser—Masons Supply
Wheelbarrow—Bandon Doehan—Pahlisch
Webber BBQ—Craig Johnson—JS Engineers
Leaf Blower Eco—Michael Wagy—CalPortland
Putter—Tom Balilonis—OSU Retired Professor

Wedge—Angel Escamilla—Larusso
Ooni Pizza Oven—Steven Kviklys—Nike
Pressure Washer—Robert Ramirez—Larusso
Apple Airpod Pros—Shannon Lee—KPFF Consulting Engineers
Massage Gun by Sharper Image—Dusty Andrews—Knife River
Ice Machine—David Raleigh—OSU Retired Professor
Cigars—Anthony Boudin—Miller Consulting Engineers
Stephanie Inn—Aaron Kurtz—Schuepbach

Congratulations to all the winners and thanks to all the wonderful donations from our sponsors! We are already looking forward to next year's tournament in late July, 2023!

Pictured Right: Peder Golberg, Mike Hagerty, and Todd Rowell



Pictured Left: Kevin Kaplan, Tony Jenkins, and Ken Rust from Team VLMK

Pictured Below: Seth Thomas, Ryan Guay, Nathan Ingraffea, Erik Kabusreiter, Cameron Hanson, and Jim Vodden from KPFF Consulting Engineers enjoying a day on the course!



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.

SMG ENGINEERS

Structural Engineer
Beaverton, OR
Missoula, MT

SMG Engineers is a consulting design firm with a focus on heavy industrial and construction engineering. We are looking to add a structural engineer to our skilled team of dedicated, innovative professionals whose intelligent, cost-effective designs and excellent service have earned SMG a highly respected reputation in the field of engineering. The number of long-term employees at SMG reflects a high level of job satisfaction.

SMG is looking for a licensed PE for our Missoula, MT or Beaverton, OR office. Strong communications skills are a must and graduate level Structural Engineering degree with a SE license is preferred. SMG offers a competitive wage, bonus and benefit package in a family-friendly work environment. If you are interested in a career at SMG, please send a resume to smg@smgengr.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.catenaengineers.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 or contact HR manager, Karmell Dawson at karmelld@paceengrs.com for more information.

EMPLOYMENT OPPORTUNITIES (CONT.)

US ARMY CORPS OF ENGINEERS

Structural Engineer

Walla Walla, WA

This position requires experience in performing structural analyses and inspecting structural elements. As such, the resume needs to CLEARLY state that. Structural Engineer duties:

- Perform preliminary and final structural design, including indeterminate analyses, advanced computer modeling, and finite elements analyses.
- Write technical specifications.
- Serve as a technical lead for major projects.
- Review structural calculations, analyses, and working drawings.
- Perform field investigations and inspections.

Be sure to ask about a Recruitment/Relocation Bonus and/or Student Loan Repayment. Open & closing dates: 06/07/2022 to 07/18/2022 (position will be extended until filled). Salary: \$66,214 - \$103,176 per year.

Open to all U.S. Citizens: <https://www.usajobs.gov/GetJob/ViewDetails/658220000>. Please contact Valerie LeBlanc at Valerie.R.LeBlanc@usace.army.mil with questions about the position.