



CONNECTIONS

October 2021 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 [https://
www.linkedin.com/company/
structural-engineers-association
-of-oregon](https://www.linkedin.com/company/structural-engineers-association-of-oregon).

Upcoming SEA0 Meetings and Events:

Wednesday, October 27, 2021: 7th Annual SEA0 Excellence in Structural Engineering Virtual Awards Program & Chapter Meeting

Topic: SEA0 Excellence in Structural Engineering Awards Program

Speakers: SEA0 Awards Committee & Board President

Time: 11:45 am—Networking/Social

Noon — Program Begins

Link to Access Meeting: Register online on SEA0 Website at [https://www.seao.org/events/
oct2021/2021-awards-lunch-meeting](https://www.seao.org/events/oct2021/2021-awards-lunch-meeting)

Cost: \$25 Member, \$35 Non-member, \$10 Affiliate Member, Free for Student Members

PDH: 1 Hour (no credit to Affiliate Member)

See page 3 for more information.

RESCHEDULED to February, 2022: NCSEA Structural Engineering Summit

NCSEA has postponed both the live event in New York and the virtual Summit events from October, 2021 to February, 2022.

In-Person: February 14-17, 2022 at Hilton Midtown, New York, NY

Virtual: January 31-February 24, 2022

Visit NCSEA at <http://www.ncsea.com/events/annualconference/> for more information. Registration is now open for All Access (in-person & virtual) and Virtual-Only registrations. Hotel reservations at a reduced rate of \$219/night are available until February 1, 2022 and are also available on the NCSEA website at [http://www.ncsea.com/events/annualconference/
hotelandtravel2/](http://www.ncsea.com/events/annualconference/hotelandtravel2/).

DUES REMINDER

Annual dues for SEA0 membership are due on October 31, 2021. You can make checks payable to SEA0 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

Renewals: Member (licensed PE in Oregon): \$115
Affiliate Member (unlicensed): \$105
Student Member (full-time student in Civil or Structural Engineering): \$18
Retired Members: \$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 numbers, and your email address. This will guarantee that you are receiving all correspondence and information from SEA0. You can update your information online or if you have any questions contact jane@seao.org.

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.
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PRESIDENT'S MESSAGE

By: DAVID LINTON

SEAO Members,



October marks the start of a new year for the Structural Engineers Association of Oregon. I am looking forward to the opportunity to serve the members of SEAO as the incoming president. My journey with SEAO first started by attending speaker meetings and joining the Young Member Forum. In my time with YMF we did presentations to K-12 students, studied for the PE, and discussed the challenges of being a young engineer at happy hours. From there it only seemed like a natural progression to participate in SEAO leadership.

BOARD OF DIRECTORS

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I'd like to take the opportunity to thank our outgoing Board members; Steve Trautwein, Alex Stroud, and James McPherson for your great contributions. To the continuing members, Mike Daily, Dusty Andrews, and Eric Davis, I look forward to work together, and welcome our newest Board members, Peder Golberg, Jared Lewis, and Nisarg Mehta. It is also important to recognize Jane Ellsworth who is the glue that holds the board together as our Executive Secretary. Special thank you to our committee chairs that work on many initiatives for SEAO behind the scenes.

Speaking of committees, our Code Committee has been hard at work providing recommend edits for the upcoming 2022 OSSC. These recommendations have been passed along to the Building Codes Division, and there are several upcoming meetings where SEAO's recommendations and others will be reviewed. If you've ever complained about or questioned a code provision, then you might consider joining the committee to help influence future codes. Our newest committee, Structural Engineering Engagement and Equity (SE3) has already been hard at work making plans for looking at mentorship, work-life balance, and other key issues for today's engineers. It was great to hear they are partnering with a group from Illinois in a collaborative effort across associations.

The past year looked a bit different from years past as we navigated the challenges of the pandemic. It's a safe bet that the upcoming year is going to again be faced with decisions on how to best engage our membership--in-person, remote, or hybrid. I am confident that we will be able to find a few positives we can use to continue to improve the services that SEAO provides. It is our goal to provide interesting and educational speaker meetings. We are always looking for topic suggestions or compelling projects, so please reach out with your ideas or projects. Also be on the lookout for a survey as we gauge interest in returning to our traditional in-person format for the annual trade show.

As the year comes to an end and we look ahead that can only mean one thing, time to pay those annual dues! With our new and improved website, renewing only takes a few clicks. In closing I'd like to encourage all our members to look for opportunities to get involved. We all have a different and unique perspective and the more of you that get involved the better that SEAO can service our members.

Cheers,
David

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SEAO AWARDS VIRTUAL LUNCH MEETING ANNOUNCEMENT WEDNESDAY, OCTOBER 27, 2021

Please join SEAO for the 7TH Annual Excellence in Structural Engineering Awards presentation. For the second (and hopefully last) time, the meeting will be held virtually to meet existing public social distancing restrictions.

Awards will be presented to the winning projects, as selected by an esteemed panel of independent judges, in the following categories:

- New Buildings Over \$40M
- New Buildings Between \$10M-\$40M
- New Buildings Under \$10M
- Renovation/Retrofit
- Special Use Structures

Topic: 2021 SEAO Excellence in Structural Engineering Awards

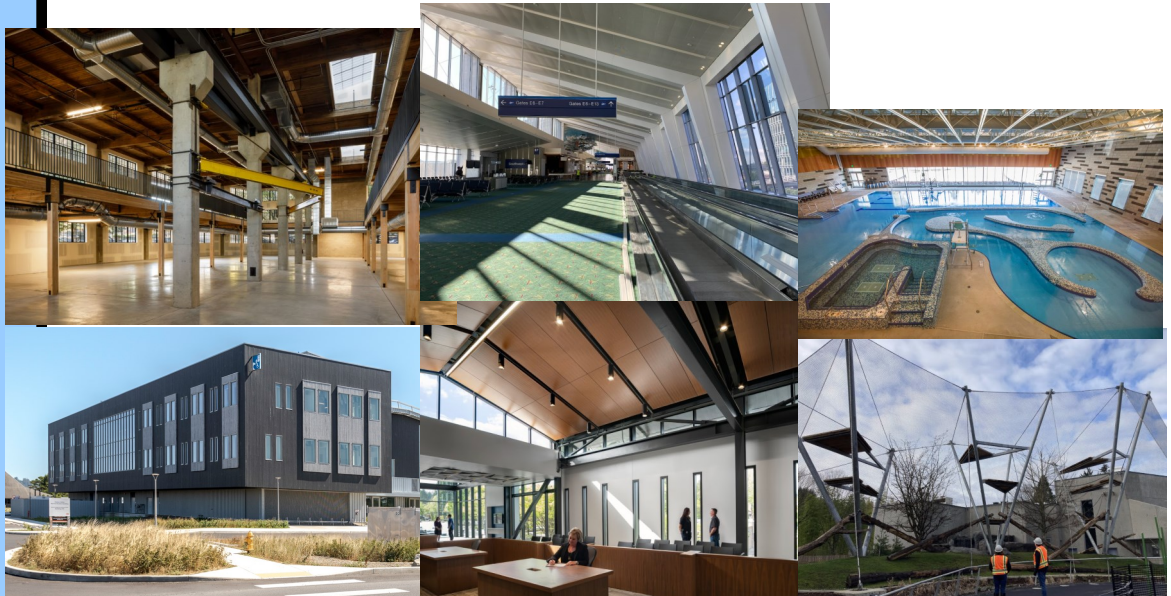
The Awards Committee will spotlight each submission in each category and announce the winning project. We will plan on allowing each winning team to make a brief statement about the project and put the spotlight on their team. Mark your calendars!

Location: Virtual. A link to the meeting will be sent via email the evening before the Awards program.

Time: 11:45 am to Noon—Zoom Social	Cost: \$25 — Members
Noon to 1 pm— Awards Program	\$35 — Non-Members
	\$10 — Affiliate Members
	Free — Student Members

Register at: <https://www.seao.org/events/oct2021/2021-awards-lunch-meeting>

PDH Credit: One PDH will be recommended for this program.



CALL FOR PAPERS 12TH NATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING

We are excited to announce the Call for Papers for the 12th National Conference on Earthquake Engineering (12NCEE) is now open! Visit <https://12ncee.org/call-for-papers> for more information on how to submit papers. Papers are due **November 5**. Please note that there will be no preliminary abstract submission and review—the first and only submission will be a 4-page paper manuscript.

12NCEE is a milestone conference hosted by the Earthquake Engineering Research Institute (EERI), meeting June 27-July 1 2022, in downtown Salt Lake City, Utah. 12NCEE will bring together professionals from a broad range of earthquake-relevant disciplines, providing an opportunity for researchers and practitioners to share the latest knowledge and techniques to better understand and mitigate the damaging effects of earthquakes and tsunamis. Timely and relevant lessons from the COVID-19 pandemic are also expected. The 2022 EERI Annual Meeting and EERI's Annual Undergraduate Seismic Design Competition will take place concurrently. A limited number of registration grants will be available for students, early-career academics, and early-career professionals. For more information, visit <https://12ncee.org>. We look forward to seeing you next summer in Salt Lake City!

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 announce 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:

March:

Michael Redmond—Harris Group

Ryan Ngo—Hayden Consulting Engineers

Edward Ling—Peterson Structural Engineers, Inc.

April:

Dave Sullivan—Sandbox Designs

Timothy Sapienza—Fyfe Company

Tracy Donoghue—KPFF Consulting Engineers

May:

Michael Weiss—Akana

Arash Ghasemi—Student

June:

Konnor Parrish—KGA

Nicholas Rillstone—KPFF Consulting Engineers

Vinay Damam—Stanley Black & Decker

July:

Christopher Wong—City of Hillsboro Building Department

Victor Millan-Simpkins

Karen Stoner—Exceptional Engineering, LLC

August:

Austin Dennis—WSP

September:

Kolby Sniff—Erickson Structural Consulting Engineers, PC

Joshua Pope—OTAK, Inc.

October:

Thomas Walsh—Tom Walsh Designs, LLC

WELCOME TO SEAO!

2021 SEAOSF SCHOLARSHIP AWARDEES

The recipient of the **Susan M. Frey Memorial Scholarship** is **Mathew Dougan**. Mathew is a graduate student at Oregon Institute of Technology. He is a member of the Bonanza Lions Club where they serve the less fortunate; the student chapter of American Society of Civil Engineers (ASCE) where he participated in the concrete canoe competition; and a member of Tau Beta Pi where they host campus events centered on engineering. Mathew has had opportunities to intern with Adroit Construction Co. in Ashland and Structural Solutions, Inc. in Medford.

The **Don Kramer Memorial Scholarship** winner is **Jacob Atkins**, a Senior at Oregon State University. Prior to getting married,



Jacob was a member of the Antioch Fraternity. He is currently a member of the student chapter of ASCE. 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.

An at-large scholarship recipient is **Lewis Nolf**. Lewis is a senior at Oregon State University. He participates in intramural sports and is a participant in the Civil Engineering Cooperative (CECOP). Lewis has had opportunities to inter with VISTA GeoEnvironments Services and McMillen Jacobs Associates. After graduating from OSU, Lewis plans on attending graduate school.

An at-large scholarship recipient is **Kela Leamy**. Kela is a senior at Oregon Institute of Technology. She is currently a member of the student chapter of ASCE, Tau Beta Pi, Student-Athlete Advisory Committee, and a volunteer with HiYa Rock Project which donates money for scholarships and running attire via QR codes to less fortunate children in California. Kela currently runs for OIT's NAIA Cross Country and Track and Field teams. Kela has had opportunities to work with the Army Corps of Engineers at both the Bonneville and The Dalles dams. After graduating, Kela plans to pursue a career with the construction branch of the Army Corps.



NCSEA UPCOMING WEBINARS

October 28th

Design of Insulating Concrete Form Walls for High Winds

Speakers: Lionel A. Lemay, P.E., S.E., is Executive VP, Structures and Sustainability for the National Ready Mixed Concrete Association and Scott Campbell, Ph.D., P.E., is the senior vice president of structures and codes at the National Ready Mixed Concrete Association.

November 3rd

CalOES Safety Assessment Program: Day 1

Speakers: Derek Hanson, P.E., and Klaus Perkins, P.E., S.E.

November 4th

CalOES Safety Assessment Program: Day 2

Speakers: Derek Hanson, P.E., and Klaus Perkins, P.E., S.E.

November 9th

The Engineer's Role in Improving Housing Resilience

Speakers: Tim Hart, S.E., LEED AP, has over 30 years of structural engineering experience, and Lizzie Blaisdell Collins, P.E., S.E., LEED AP, is the Vice President of Engineering for Build Change.

November 11th

The Excavation Shoring Design Guide Day 1: The Design Approach for Unrestrained and Restrained Earth Retention System

Speaker: Bryan G. Cortnik, P.E., S.E., is a Principal with American Subsurface Engineering, Inc., based in San Francisco, California.

November 16th

Retaining Wall Basics

Speaker: Bill Simpson, P.E., began practicing geotechnical structure design while still a student working on his BSCE and MSCE degrees at the Georgia Institute of Technology. He has worked on over 1,200 projects and 10 million sf of earth structure.

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

NCSEA AWARENESS CAMPAIGN ANNOUNCEMENT

NCSEA is pleased to announce NCSEA's brand and awareness campaign: We SEE Above and Beyond. They are promoting Structural Engineering Excellence (SEE) and the value the structural engineering profession delivers as we create the places where we work, live, and love.

Stay tuned in the coming weeks and months as NCSEA rolls out the campaign, and as local and state SEAs participate to help increase reach and tell the story of how structural engineers create experiences.

NCSEA President, Ed Quesenberry, PE, SE, and past president of SEAO shares, "This campaign is about telling the structural engineering story, from celebrating our role in the Architecture, Engineering, and Construction (AEC) industry to building awareness of the many ways our profession advances and supports the safety and resilience in the built environment. Through telling our story, we hope to build connections with people outside our profession so that we can work together to solve the problems of tomorrow. While the initial campaign will target the AEC industry, future goals of the campaign include outreach and awareness building with consumers, higher education, and grades 5-12 so the public and students can better understand what structural engineers do and how our work is woven into their lives."

Visit the new NCSEA website:

<https://www.weseeaboveandbeyond.com/>

To find out more about the campaign.

AISC 2021 STUDENT STEEL BRIDGE SUPPLEMENTAL COMPETITION VICTORY FOR OIT

By: MIKE DAILY

Summer has passed us by, and now fall is marching in with its autumn colors, cooler temperatures, and plenty of rain to restore dried yards and the likes. Most spent their time following through on vacation mandates, sipping iced tea in the back yard, or working extra long hours on the new project. As you stand at your living room window, watching the grass grow back thicker than ever, you ponder the simple question, "Did I miss anything this past summer?" Yet your head is dancing with upcoming college football and who will lead in the standings this year.

But wait just a minute. Set that iced tea down. You may have missed another victory for an Oregon university. Back on June 3rd, the American Institute of Steel Construction (AISC) announced the first-place winners of the 2021 Student Steel Bridge Supplemental Competition.

AISC announced: *"More than a thousand student engineers at 102 colleges and universities around the country participated in the Steel Bridge Competition, either competing from their own campuses with fabricated and constructed physical bridge, entering a design-only Supplemental competition, or both. AISC Thursday (June 3) announced the results of the national finals . . . Oregon Institute of Technology took first prize overall in the Supplemental competition . . ."*

Visit OIT's website for more information and to read their entire article:

<https://www.oit.edu/news/civil-engineering-steel-bridge-team-wins-national-title>

SEAO congratulates Oregon Institute of Technology for this tremendous accomplishment. GO OWLS!!



EMPLOYMENT OPPORTUNITIES

GRUMMEL ENGINEERING

Structural Engineer
Portland, OR

At Grummel Engineering, we care deeply about the creativity and quality of the designs we produce, and even more about the people contributing to these designs. Our philosophy encourages engaged working hours to give us the flexibility to enjoy our lives outside work.

Grummel Engineering LLC (www.grummelengineering.com) is seeking Structural Engineers at all experience levels. Candidates should have a B.S (M.S. preferred) in Civil Engineering, with an emphasis in structures. Engineers with an interest in participating in all steps of a project, including client relations, site visits, fee estimating, schematic, construction and permit documentation and analysis, and construction support with a variety of building materials and project scales are encouraged to apply. Grummel Engineering actively seeks avenues to contribute to our community by encouraging staff participation and recommendations for volunteer opportunities. Grummel Engineering is an equal opportunity employer.

Contact eric@grummelengineering.com via email for more information or to apply.

HOLMES STRUCTURES

Structural Engineer
San Francisco, CA
Los Angeles, CA
Portland, OR
Seattle, WA

Holmes is a structural and fire engineering firm, with offices in San Francisco, Los Angeles, Portland and Seattle. We are part of the New Zealand based [Holmes Group](#), with offices around the Pacific Rim. Compelled by the possibilities, we are relentlessly pursuing Why – to create what is Best.

We are seeking Engineers for our San Francisco, Los Angeles, Portland and Seattle offices. Candidates must be fast learners, ambitious, have the ability to handle increased responsibilities, have excellent verbal and written communication skills, and be able to interact effectively with clients, project teams, and colleagues. We are looking for all levels of Engineers.

Check us out at www.holmes.us.

INTERESTED IN JOINING US? PLEASE visit [Holmes - Career Page](#) TO SUBMIT AN APPLICATION.