



CONNECTIONS

September 2024 Volume 24 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

IN THIS ISSUE: PAGE #

■ President’s Message	2
■ NCSEA Summit, Incoming Board of Directors	3
■ SEAO Awards Update, 19WCSI Conference, Golf Tournament Results	4
■ Seismic Committee Update, New Members, YMF Update, Ask a Question, Advertising Space	5
■ NCSEA Webinars	6
■ Employment Opportunity	7

Upcoming SEAO Meetings and Events:

Tuesday, November 5— Friday, November 8, 2024:

2024 Structural Engineering Summit

Location: MGM Grand Hotel, Las Vegas, NV

Visit: <https://www.ncseasummit.com/> for more information.

See Page .3 for more information.

Tuesday, November 12, 2024:

SEAO Structural Engineering Awards Luncheon

Location: The Old Spaghetti Factory, 715 S Bancroft Street, Portland, OR 97239

Time: 11:30 pm—Lunch, Noon — Awards Program

PDH Credit: 1 PDH

See Page 4 for more information.

Tuesday, March 25—Thursday March 27, 2025:

International Mass Timber Conference

Location: Oregon Convention Center, Portland, OR

Registration is Now Open for Early Bird Pricing through January 8, 2025.

Visit: <https://masstimberconference.com/register/> for more information.

ANNUAL DUES REMINDER

Annual dues for SEAO membership are due by October 20, 2024. The SEAO website is open for paying dues. Visit: <https://www.seao.org/> to login and pay your dues. Please contact Jane at jane@seao.org if you’d like to pay an alternate way. Renewal rates are as follows:

- Member (licensed PE in Oregon): \$125
- Affiliate Member (unlicensed): \$110
- Student Member (full-time student in Civil or Structural Engineering): \$20
- Retired Members/Affiliates, or Professors: \$25
- Life Members: Free



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

PRESIDENT'S SEPTEMBER MESSAGE

BY: JARED LEWIS, PE, SE

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

BOARD OF DIRECTORS 2023/2024

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

Vice President
Christopher Carroll
SSOE Group
Ph: 1.360.440.1071
ccarroll@ssoe.com

Secretary
Nisarg Mehta

Treasurer
Kylean Gunhus
Miller Consulting Engineers
Ph: 503.246.1250
kylean@miller-se.com

Director
Sarah Johnson
Akana
Ph: 503.440.9368
Sarah.johnson.eltawil@gmail.com

Director
Elyssa Adams
Holmes Structures
Ph: 503.971.1050
elyssa.adams@holmesstructures.com

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

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

Greetings and welcome to the 2024-2025 season of the Structural Engineers Association of Oregon! This is officially my last message to membership as I am transitioning to the position of Past President.

Chris Carroll is taking it from here! I'd like to thank last year's board members for their contributions to SEAO and, of course, this year's board members for volunteering their time to our organization.



The past twelve months have been the fastest on record! My eldest started college. In doing so, we were able to see colleges throughout the country and their similarities and differences. The best part is how much positive energy and interest there is in the next generation of learners! It has been somewhat intoxicating to witness how much passion and desire for improving our world exists on campuses across the country. In all of that, the institutions in our very own backyard of Oregon shine the brightest. They may not have the biggest cache of endowments or all top five recruits for every sport, but they are amazing at the investing in the students who will take the baton and make the things we can't even imagine today. I'm so impressed. I mention this because it will eventually impact this group. Either through new hires, new clients, in the ways we live in the future, who we get to interact with, and we get to think about what we leave to them and their futures. I can't wait to see what happens next!

As I pass the gavel to Chris, we continue to work, as a board, on developing our strategic planning initiatives. We have survey results gathered from you last spring that we are preparing to share. The responses have informed our next steps in developing the strategic plan which will be shared later this year. Please keep an eye out for both.

We've been working hard as a board to solidify our schedule of events for the year. Our first meeting will be the SEAO Awards Luncheon November 12 at The Old Spaghetti Factory. This is our chance to celebrate the great work we've all done over the past three years. I can't wait to see what you've been working on!

It's been an honor and pleasure representing you as your president. Please feel free to reach out to me or Chris Carroll as your incoming president with any questions, ideas for engagement, involvement, or topics of interest.

Thank you ~

Jared Lewis
2023/2024 SEAO President – 2024/2025 SEAO Past President

SEAO COMMITTEES

CODE ADVISORY COMMITTEE

Seismic
Jonathan Knudtsen
jknudtsen@wje.com

Wind
OPEN CHAIR

Snow Load
Andy Stember
andy@jasenginc.com

Code
Eric Watson
eric@miller-se.com

Vintage Building
OPEN CHAIR

Special Inspections
Eric Watson
eric@miller-se.com

Sustainability
Jo Ann Offill
joffill@mcknze.com

STRUCTURAL ENGINEERS EMERGENCY RESPONSE (SEER)

David Tarries
David.tarries@portlandoregon.gov

PROGRAM COMMITTEE

Awards
Brynn Adkins
badkins@tmrippey.com

Golf Tournament
OPEN CHAIR

Conferences
Kevin McCormick
kevin@miller-se.com

Program
Jared Lewis
jared@catenaengineers.com

ADVOCACY COMMITTEE

Website
Seth Thomas
seth.thomas@kpff.com

Engineers Week
Michelle Juarez
michelle@miller-se.com

Young Member Forum
Eric Esqueda & Emma Olds
YMF.seao@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

2024 NCSEA STRUCTURAL ENGINEERING SUMMIT

LAS VEGAS, NV
NOVEMBER 5–8, 2024

This year's topic is AI, Innovation, and Engineering

Join brilliant minds in the city of bright lights to network and connect with the best in structural engineering! The NCSEA Structural Engineering Summit will be held November 5–8, 2024, in Las Vegas at the MGM Grand Hotel. 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 2024 Structural Engineering Summit includes access to all educational sessions, the best-in-class exhibit hall, and several special events, including the Viva Las Vegas - Welcome Party, the Exhibit Hall Happy Hour, and the SEE Awards Celebration. Lunch and coffee are provided on November 6 and 7.

An additional fee, beyond your Summit registration, is required for several events, including the pre-conference Existing Building Assessment Symposium on Tuesday, November 5.

PDH Credits Available: Attendees can earn up to 14 PDH's at this year's summit.

Registration rates go up after September 30, 2024. To register, visit: <https://www.ncseasummit.com/register>

2024-2025 SEAO BOARD

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

<i>President:</i>	Christopher Carroll
<i>Vice President:</i>	Kylean Gunhus
<i>Secretary:</i>	Sarah Johnson
<i>Treasurer:</i>	Ryan Guay
<i>Directors:</i>	Elyssa Adams (2nd Year of 2-Year Term) Geoffrey Smoke (1st Year of 2-year Term)
<i>Past President:</i>	Jared Lewis

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, XXX?, for their time and support of SEAO!

2024 SEAO EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS BANQUET LUNCH: NOVEMBER 12, 2024

SEAO has received and compiled the award entries and has sent them off to our independent panel of industry judges for their consideration.

Award categories include:

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

The awards luncheon banquet will be held on **Tuesday, November 12, 2024**. Visit <https://www.seao.org/events/nov2024/awards-banquet> to register to attend at the Old Spaghetti Factory in South Portland. We will be spotlighting all entries during the awards program as well as announcing the winners in each category.

We do expect this to be a sold-out show—so register today to secure your spot and see what our members have been working on the past couple of years.

19TH WORLD CONFERENCE ON SEISMIC ISOLATION, ENERGY DISSIPATION AND ACTIVE VIBRATION CONTROL OF STRUCTURES (19WCSI) SEPTEMBER 15–19, 2025 (SAVE THE DATE)

The Pacific Earthquake Engineering Research Center (PEER) is pleased to formally announce the **19th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures (19WCSI)** at UC Berkeley, on **September 15–19, 2025**. This biennial conference is a key activity of the Anti-Seismic Systems International Society (ASSISi), the international organization committed to the advancement and promotion of seismic isolation and energy dissipation technologies (<https://assisociety.org/>).

Important Dates

- October 31, 2024 - Abstract Submissions Due
- Mid-January, 2025 - Notifications of Abstract Acceptance
- June, 2025 - Full Papers Due
- September 15-19, 2025 - Conference in Berkeley, California, USA

For more information, please visit the conference website at <https://19wcsi.org/> or contact Reid Zimmerman (reid.zimmerman@kpff.com).

2024 SEAO/OACI GOLF TOURNAMENT RESULTS

On August 8, 2024, SEAO/OACI members and friends gathered for the annual joint Golf Tournament at Langdon Farms Golf Course in Aurora, Oregon. The following foursomes took the top spots:

FIRST PLACE

Korey Shimojima
Doug Wolf
Neil Antonini
Pete Bruns

SECOND PLACE

Michael Wagy
Joey Bowles
Troy Zilles
Jim Lang

THIRD PLACE (SEAO Trophy Winners)

Colby Anderson
Stephen Stenberg
Tony Jenkins
Ken Rust

SEAO SEISMIC COMMITTEE UPDATE

BY: JONATHAN KNUDTSEN, PE

Two new Statewide Alternate Methods were proposed by the Seismic Committee and have been issued by the Building Codes Division. They allow the use of the ASCE 7-22 multiperiod response spectrum and the ASCE 7-22 response modification factor of $R = 8$ (instead of $R = 6$) for reinforced concrete ductile coupled walls. See descriptions and links below. Special thanks to Reid Zimmerman for writing the Statewide Alternate Methods and the Seismic Committee for reviewing them.

Multi-period response spectrum

Statewide Alternate Method No. 24-03

A new statewide alternate method has been issued to allow for the use of multi-period response spectra and additional site classes in accordance with ASCE 7-16 as modified with provisions from ASCE 7-22.

[View the new Statewide Alternate Method No. 24-03](#)

Reinforced concrete ductile coupled walls

Statewide Alternate Method No. 24-04

A new statewide alternate method has been issued to allow for the use of reinforced concrete ductile coupled walls as a seismic force-resisting system in accordance with ASCE 7-16 as modified with provisions from ASCE 7-22.

[View the new Statewide Alternate Method No. 24-04](#)

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

SEAO would like to welcome our newest members:

Anthonie Kramer – Aspect Structural Engineers

Krysten Jaycox – TM Rippey

Hunter Bancroft – IE Structural

Michael Woods—W.F. Baird & Associates

Colby Anderson—Stenberg Design

Russell Carter – Retired

Nicolas Coella – Student

Christopher Neumann— Degenkolb

Kenneth Metz—MiTek

WELCOME TO SEAO!

Our goal is to provide benefit to our members and the best way to do that is get involved! Watch your emails, read our newsletters, and check the website for more information.

YOUNG MEMBER FORUM (YMF) UPDATE

On September 19th, the YMF gathered to say goodbye to summer at the Rogue Eastside Pub and Pilot Brewery. The YMF will continue their happy hour gatherings this fall.

If you want to join YMF and receive emails from them, please email yfm.seao@gmail.com. Some of their emails are going into spam filters/folders, so remember to check those or make sure to add them as a safe sender.

ADVERTISING SPACE AVAILABLE

SEAO is pleased to provide full page advertising to members for \$500 and to non-members for \$600. That is the price to run the ad the entire year from September to August. If you'd like to advertise, please contact Jane at jane@seao.org.

NCSEA UPCOMING LIVE WEBINARS

REGISTER AT: [HTTP://WWW.NCSEA.COM/EDUCATION/WEBINARS/](http://www.ncsea.com/education/webinars/)

September 26, 2024, 10 am—11 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Performance Based Wind Design: Introduction

Speaker: Jeff Dragovich, Ph.D, SE, F.ACI, Associate at DeSimone Consulting Engineering

In this presentation, we will introduce the key concepts in Performance Based Wind Design (PBWD) and the ASCE Prestandard for PBWD v1.1. Topics covered include performance objectives, the PBWD design process for the main wind force resisting system utilizing linear analysis methods, wind time histories, and acceptance criteria. (1 PDH)

October 8, 2024, 10 am to 11 am Pacific Time (FREE)

2024 SEE Awards Webinar Series

Forensic/Renovation/Retrofit/Rehabilitation Structures—\$20 Million:

Sandi Simon Center for Dance at Chapman University

Speakers: Wayne Chang, S.E. and Maria Mohammed, S.E., Structural Focus

Chapman University's Sandi Simon Center for Dance was transformed from a 1920s industrial citrus packing house into a modern dance studio. Strict historic preservation standards were followed during the project which included seismic upgrades, and the addition of a new, internal performance space. The presentation will discuss the application of the California Historical Building Code and the challenges to adaptive re-use the original citrus packing house into a modern dance studio. (1 PDH)

October 15, 2024, 10 am—11 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Fundamentals of Structural Curtain Wall Design

Speaker: Aaron Kostrzewa, P.E., Owner of Kosco Engineering Group, PLLC

Curtainwall serves as an essential feature of modern buildings. It is the first line of defense to weather and it plays a critical role in occupant comfort, building aesthetic, and function. The goal of this presentation is to educate participants on the types of facades, structural behavior, and interface with the connecting structure.

This webinar will:

- Introduce the basic types and functions of curtainwall
- Provide an overview of the common loads and load path
- Discuss design considerations for the connection to the primary structure.

(1 PDH)

October 24, 2024, 10 am—11:30 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Watch Out for Unevenly Loaded Welds

Speaker: Duane K. Miller, P.E., ScD, Listen to the Steel

When welds are evenly loaded across their throat and length, the design process is straightforward. There are, however, many situations where welds are unevenly loaded and additional design considerations are necessary. This lecture will examine ten such conditions, including the design principles that need to be employed to ensure reliable welded connections. (1 PDH)

October 29, 2024, 10 am—3 pm Pacific Time (Fee for Webinar)

Cal OES Safety Assessment Program

Speakers: Derek Hanson, P.E., President of Structural Engineering Excellence, Inc., and Klaus Perkins, P.E., S.E., Department Manager, Bennett & Pless

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. (4.5 PDH)

November 12, 2024, 10 am—11 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Ethical Issues in Failures and Forensic Engineering

Speaker: Dr. Norbert J. Delatte, Jr., P.E., F.ACI, F.ASCE, Endowed Professor of Engineering and Head of School of Civil and Environmental Engineering, Oklahoma State University

Civil engineers hold a privileged position within society, with a unique responsibility for public health, safety, and welfare. Engineers and their work are governed by codes of ethics and ethical principles. This webinar will review various codes of ethics and their application, along with a review of some case studies and lessons learned. (1 PDH)

November 14, 2024, 10 am to 11 am Pacific Time (FREE)

2024 SEE Awards Webinar Series

New Buildings Over \$200 Million: Google Bay View

Speaker: Kerem Gulec, Ph.D., P.E., S.E., Thornton Tomasetti

Google's Bay View Campus, located in Bay Area near Mountain View, is the new flagship building for Google. Campus includes three discrete buildings and it is designated for general office use. It includes a highly complex and unique roof structure which provides the architectural form of the building. The roof follows a dome like shape split with clerestories to provide natural light. Roof is supported by columns that are up to 130 ft tall at a grid of 124 feet by 124 feet. Construction of this roof required many innovative design and construction techniques and a highly collaborative approach between design and construction teams. Google Bay View Roof was mostly constructed at the ground level and then lifted in place using strand jacks. Additionally, design of the roof followed performance based seismic design principles as the structural systems used were outside of the prescribed lateral systems in the building. The presentation will discuss the design and construction phases of Google Bay View Project. (1 PDH)

There are also recorded webinars that can be purchased for professional development hours (PDHs) online at [Calendar - NCSEA](#)

EMPLOYMENT OPPORTUNITY

KURT FISCHER STRUCTURAL ENGINEERING

Structural Engineer

Portland, OR

Kurt Fischer Structural Engineering (www.kfseng.com) is looking for entry-level or experienced structural engineers to join our Portland office. KFSE provides innovative and creative solutions for the built environment. We are looking for passionate and ambitious structural engineers to join our versatile, progressive, and experienced firm. Current projects include: historic non-ductile concrete and URM seismic rehabilitation, civic, mid-rise residential building, podium residential apartment and mixed use complexes, luxury single-family residential, affordable housing, and a mid-rise luxury hotel.

We highly value our employees and strive to foster a positive and energetic work environment by providing engineers with the tools, resources, and mentoring to further their knowledge and career. There is ample opportunity for upward mobility within our firm, and we invite you to talk with us about exciting opportunities at KFSE.

Contact/send resumes to: LT@kfseng.com