



CONNECTIONS

November 2024 Volume 24 Issue 2

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 SEA0 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.

Tuesday, November 12, 2024:

SEA0 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 3 for more information and how to register.

Thursday, November 21, 2024:

SEA0 SE3 Committee Presents Speed Mentorship Event

Location: Rogue Eastside Pub & Pilot Brewery, 928 SE 9th Avenue, Portland, OR 97214

Time: 5:30 pm arrival & registration; 6 pm—Event Start

See Page 4 and 7 for more information.

Saturday, November 23, 2024:

Portland State University—Dr. Franz Rad Retirement Celebration

Location: PSU Smith Memorial Student Ballroom, 1825 SW Broadway (NW Corner of intersection at SW Broadway & SW Harrison Street), Portland, OR 97201

Time: 6 pm—9 pm

See Page 4 for more information and how to RSVP.

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.



SEA0 has a LinkedIn account
and can be followed at [SEA0
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

BOARD OF DIRECTORS 2023/2024

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

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

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

Treasurer
Ryan Guay
KPFF Consulting Engineers
Ph: 503.764.0543
ryan.guay@kpff.com

Director (Year 2 of 2)
Elyssa Adams
Holmes Structures
Ph: 503.971.1050
elyssa.adams@holmesstructures.com

Director (Year 1 of 2)
Geoff Smoke
Mackenzie
Ph: 503.708.6149
gsmoke@mcknze.com

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

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

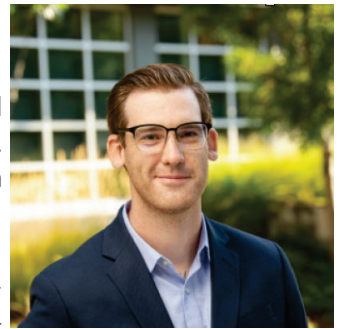
PRESIDENT'S NOVEMBER MESSAGE

BY: CHRISTOPHER CARROLL, PE

Dear SEAO Members:

I am deeply honored and grateful for the trust you have placed in me by electing me as your president for the 2024-2025 term. This opportunity to serve such a distinguished group is both a privilege and a responsibility that I do not take lightly.

As we look to the future, I am filled with optimism and excitement about the possibilities that lie ahead for SEAO. Our organization has always been a beacon of excellence, innovation, and collaboration, and I am committed to building on this sturdy foundation.



Before I get ahead of myself and start discussing the future too much though, I would like to share a little about my past. I grew up in Port Orchard, Washington, where during my younger years, I worked in construction at the Puget Sound Naval Shipyard. This is where I learned to love construction but felt limited as a worker. So, at the age of 28, I decided to pursue higher education at Portland State University and try my hand at engineering.

Upon graduating, I began my professional career at SSOE focusing primarily on industrial semiconductor work. After three years there, I decided to make a shift in the type of work I was doing and work at Mackenzie. While at Mackenzie, I began serving on the SEAO board as Secretary. This role, combined with leadership opportunities at work, helped me realize that my passion lay not in engineering itself but in facilitating engineers to excel in their work. Consequently, I decided to leave Mackenzie and return to SSOE, where I currently serve as a project manager.

My hope over the next year is that I can use my passion to bring a new perspective to SEAO and assist in building it up to be stronger than when it was handed to me. I will work diligently to strengthen what we already have and to expand in ways that will help us succeed in our careers.

Thank you,
Christopher M Carroll
2024/2025 SEAO President

PS, I have a few reminders and announcements:

1. The board will be taking Questions via email that we will be responding to on the website. Technical questions will be posed to the appropriate committee chair and all other questions will be addressed by the board. So, if you have any questions you would like to get an answer to please email Jane@seao.org.
2. It is time to pay dues, so please take care of updating your membership registration. Visit page 6 for links to website and registration rates for membership types.
3. Dr. Franz Rad is retiring from Portland State University. See page 4 in this newsletter for more information about the retirement ceremony if you would like to attend and how to RSVP.

SEAO COMMITTEES

CODE ADVISORY COMMITTEES

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

STRUCTURAL ENGINEERS

EMERGENCY RESPONSE (SEER)

David Tarries

David.tarries@portlandoregon.gov

PROGRAM COMMITTEES

Golf Tournament

OPEN CHAIR

Conferences

Kevin McCormick
kevin@miller-se.com

Monthly Meetings

Jared Lewis
jared@catenaengineers.com

ADVOCACY COMMITTEES

Awards

Brynn Adkins
badkins@tmrippey.com

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

Sustainability

Jo Ann Offill
joffill@mcknize.com

SE3

William Locke
william.locke@coffman.com

CONTINUING EDUCATION

COMMITTEE

Seminars

Andy Stember
andy@jasenginc.com

MEMBERSHIP COMMITTEES

Newsletter

JoMarie Farrell
jomarie@equilibriumllc.com

Roster

Jane Ellsworth
jane@seao.org

DELEGATES

NCSEA

Jared Lewis
jared@catenaengineers.com

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

WCSEA/NWC

Amit Kumar
Amit.kumar@portlandoregon.gov

2024 SEAO EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS LUNCHEON

TUESDAY, NOVEMBER 12, 2024

11:30 AM–1 PM

Please join SEAO for the 8TH Annual Excellence in Structural Engineering Awards presentation. 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
- Special Use Structures

Topic: 2024 SEAO Excellence in Structural Engineering Awards

The Awards Committee will spotlight each submission in each category and announce the winning projects. 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: Old Spaghetti Factory, 715 S Bancroft Street, Portland, OR 97239

Parking information: Free Parking Lot with Validation Provided During Meeting

Time: 11:30 am to Noon—Check-in & Lunch

Noon to 1 pm— Awards Program

Cost: \$35—Prepaid Members

\$45—Prepaid Non-Members

\$20—Student Members

Reservations: Pre-registration is required for all. You can register and pay online at: <https://www.seao.org/events/nov2024/seao-annual-awards-program> before end of day, Friday, November 8. You can also register with Jane Ellsworth via phone at (503)753-3075 or via email: jane@seao.org. Note: No-shows will be billed. It is expected that this event will sell out so **register early**.

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

Questions: Contact Jane Ellsworth at jane@seao.org.

2024-2025 SEAO BOARD

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

President:	Christopher Carroll, SSOE Group
Vice President:	Kylean Gunhus, Miller Consulting Engineers
Secretary:	Sarah Johnson, Akana
Treasurer:	Ryan Guay, KPFF Consulting Engineers
Directors:	Elyssa Dekker (2nd Year of 2-Year Term), Holmes Structures Geoff Smoke (1st Year of 2-year Term), Mackenzie
Past President:	Jared Lewis, catena consulting engineers

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 member, Peder Golberg (Past President), for his time and support of SEAO!

SEAO SCHOLARSHIP FOUNDATION (SEAO SF) 2024 AWARDEE

The recipient of the **Susan M. Frey Memorial Scholarship** is **Ian Sayre**. Ian is pursuing a Bachelor of Science degree in Civil Engineering at Oregon State University. He is the treasurer for the American Society of Civil Engineers student chapter as well as a member of the Institute of Transportation Engineers and the Association of General Contractors. Ian has held internships with TriMet and David Evans and Associates. Ian is interested in pursuing a career in bridge design.

We extend our congratulations to Ian on his receipt of the SEAO SF scholarship and wish him much success in his endeavors to pursue his passion for engineering.



DR. FRANZ RAD RETIREMENT CELEBRATION BY: JARED LEWIS, PAST PRESIDENT SEAO

Dr. Franz Rad is retiring. He has been a fixture at Portland State University and the Pacific Northwest for more than fifty years. In that time, he's had an influence on many in the structural engineering community and advanced the profession in the public eye. His presence will surely be missed. If you're interested in applauding him into retirement, please RSVP by November 13, 2024, for his retirement party to lentg@psuf.org occurring November 23, 2024, at the Smith Memorial Union Ballroom.

I had the privilege of learning the principles of reinforced concrete and timber from Dr. Rad. He regularly brought adjunct professors into the curriculum exposing students to the aspects of civil engineering and preparing us for the profession. He was instrumental in introducing me to T.M. Rippey Consulting Engineers and my first "real" job. He worked closely with Dr. Mueller to secure a large-scale shake table and establish the iSTAR research lab where I spent my time as a graduate student. And he hired Chris Thompson to teach advanced reinforced concrete design. Little did I know at that time that Chris and I along with his teaching assistant, John McDonald, would become business partners. As I reflect on Dr. Rad's career, it does not go unnoticed as to how influential and consequential he has been to mine. I am sure I am not the only one.

Thank you, Dr. Rad, for all your contributions.

NEW MEMBERS

SEAO would like to welcome our newest members:

Mikael Koiv—TM Rippey Consulting Engineers
Mark Redlinger—SSOE Group
Mario Yescas II—Miller Consulting Engineers
Jaclyn Springer—Miller Consulting Engineers
Kevin Garrison—Miller Consulting Engineers
Eric Ostapenko—Miller Consulting Engineers

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

YMF has an exciting update to November's happy hour—the SEAO SE3 committee is hosting a speed mentoring event on Thursday November 21, starting at 5:30 pm at Rogue Eastside Pub & Pilot Brewery, at 928 SE 9th Ave, Portland, OR 97214. YMF encourages all YMF members to participate. There are spots open for both mentors and mentees and engineers of all levels are welcome. Please sign up using [this](#) form and feel free to direct any questions toward myself or email Billy at (william.locke@coffman.com). Also see page 7 for QR code to sign up.

If you want to join YMF and receive emails from them, please email ymf.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: [HTTPS://WWW.NCSEA.COM/EDUCATION-EVENTS/CALENDAR/](https://www.ncsea.com/education-events/calendar/)

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)

November 21, 2024, 10 am—11:15 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Understanding the Causes and Significance of Façade Degradation: A Chemist's and Geologist's Perspective

Speakers: Kimberly Steiner, Principal and Unit Manager, WJE, and George Reo, Associate III, geologist at WJE

Why has your building's facade changed in appearance? Is discoloration or other visible degradation limited to an aesthetic concern or does it signal something more serious? What are the risks and can your facade be cleaned and/or repaired? WJE chemist Kimberly Steiner and petrographer George Reo discuss the effects of chemical incompatibility, staining, and degradation on a variety of facade materials, including glass, stone, metals, and coatings. Illustrated by case studies, they describe typical field and laboratory investigation techniques and offer recommendations for reducing the risk of degradation in your building facades. (1.25 PDH)

December 3, 2024, 10 am to 11 am Pacific Time (Fee for Webinar/Free to Webinar Subscribers)

Mass Timber for the Performing Arts: Music Center Groton Hill Case Study

Speaker: David J. Odeh, S.E., P.E., F.ASCE, F.SEI, Senior Vice President, WSP USA Building Structures

This presentation will explore the use of Mass Timber at the Music Center Groton Hill, a unique performing arts center in the Boston area. During this webinar, you will learn how to:

- Identify key structural parameters related to acoustics in performance halls.
- Describe the key structural properties of mass timber members contributing to long span structures.
- Learn from the capabilities of constructing unique curvilinear geometry using timber.

(1 PDH)

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

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.

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

ANNUAL DUES REMINDER

Annual dues for SEAO membership were due in October. 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

Structural Engineering Equity and
Engagement Committee
Presents:

SPEED MENTORSHIP EVENT



6:00 PM Event Start
5:30 PM Arrival Time

November 21st, 2024
Rogue Brewing Eastside
928 SE 9th Ave, Portland, OR