



CONNECTIONS

October 2026 Volume 26 Issue 1

Newsletter of the
Structural Engineers
Association of Oregon

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Upcoming SEAO Meetings and Events:

Tuesday, October 13, 2026: SEAO Chapter Meeting (Virtual)

Topic: Breaking the Cascade: Controlled-Failure Design for Transmission Towers

Location: Virtual

Time: Noon to 1 pm

Cost: \$10

See page 3 for more information.

Thursday, October 15, 2026: SEAO Young Member Forum (YMF) Event

Event: Hilti Hands-On Post-Installed Anchor Demonstration

Location: Hilti, 316 SE Taylor Street, Portland, OR

Time: 5 pm

Cost: **Free**

See page 4 for more information.

Thursday, October 15, 2026: 2026 Disaster Resilient Infrastructure Symposium

A Portland State University Civil and Environmental Engineering Department Event

Location: Portland State University, Smith Memorial Student Union (SMSU), Room 335 (Ballroom),
1825 SW Broadway, Portland, OR

Time: 4 pm – 7 pm

Cost: **Free**

PDH Credits Available

See pages 9, 10, and 11 for more information.

Tuesday, October 27 - Friday, October 30, 2026

NCSEA 2026 Structural Engineering Summit

Location: Hilton Union Square, 333 O'Farrell Street, San Francisco, CA

Visit the following website for info and to register: <https://www.ncsea.com/summit/>



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.

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PRESIDENT'S MESSAGE BY: SARAH JOHNSON, PE

Dear SEAO Members:

After serving on the SEAO Board of Directors for the last four years, I am honored and slightly humbled to be elected President for the coming term. I want to thank Kylean Gunhus for keeping everything running smoothly this past year, and the rest of the board for all your hard work over the years. I am excited about the many new faces we have joining the SEAO Board this year, and I am looking forward to the many upcoming events and fundraisers we have planned.



As there are so many members who do not know me personally, I thought I would take this moment to introduce myself.

My name is Sarah Johnson. I am a licensed Structural Engineer, an avid ping-pong player, and a collector of fine Legos. I am originally from Astoria, Oregon, home of the Goonies. I received my undergraduate degree in Civil Engineering from the Oregon Institute of Technology (now called OregonTech) and my master's from the University of Washington. After working at Precision Structural Engineering in Klamath Falls for three years, I wanted to see the world. I travelled and lived in Cairo, Egypt; Calgary, Canada; and Perry, Florida for several years while working at different structural design firms. I designed all kinds of structures, from industrial ship-loader trusses, to wood treehouses, to tensile fabric structures.

Eventually, I felt the call to return home to Oregon in 2018. Back in Portland, I designed high-rise structures while working for DCI Engineers until Covid. Then, I transitioned to Akana, a Native-owned design firm, where I spent five years designing a mix of residential, commercial, and industrial structures. Now, with over fifteen years of design experience, I have recently started with the water and industrial engineering firm, Kennedy Jenks. I am just as excited to be a part of their team as I am to be starting this new position with the SEAO.

The Structural Engineers Association of Oregon is more than just a professional organization. We are a group of collaborators, innovators, educators, and volunteers. Many people spend countless hours dedicating their time and energy to reviewing codes, to raising money for scholarships, to spreading the word about upcoming events, to teaching from their lessons learned, to commiserating over mutual frustrations, and to improving the profession of structural engineering for everyone. Our organization continues to exist because of all of your hard work and enthusiasm. For that, I want to thank everyone who has taken the step in joining and supporting SEAO.

I wish you all the best for this coming year, and I look forward to meeting many of you in person at our upcoming events.

Sarah Johnson
2026/2027 SEAO President

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SEAO OCTOBER CHAPTER MEETING TUESDAY, OCTOBER 13, 2026

Topic: Breaking the Cascade: Controlled-Failure Design for Transmission Towers

What if a structural component is intentionally designed to fail - not as a weakness, but as a means of protecting the larger system? A 345 kV double-circuit transmission tower was developed using an innovative fail-safe strategy in which selected crossarms serve as replaceable sacrificial components under extreme longitudinal loading. A two-stage testing program, comprising isolated full-scale crossarm tests followed by testing of the complete tower, validated the intended sequence of controlled crossarm failure while preserving the primary structure. By releasing longitudinal forces and introducing conductor slack, the design can help arrest cascading failures, reduce restoration time, and improve transmission-system resilience without relying solely on heavier conventional stop structures.

Speakers:

Patrick Harkin, PE, SE

Patrick Harkin is an Associate Vice President and Department Lead for Transmission and Structural Engineering at Verdantas, leading teams focused on power delivery projects. He holds a B.S. in Architectural Engineering and an M.S. in Structural Engineering, both from the University of Texas at Austin. He holds a Professional Engineer (PE) license in Civil/Structural Engineering as well as a Structural Engineer (SE) license in multiple states. He has extensive experience in structural design for transmission and substation systems, as well as onshore downstream petrochemical facilities from earlier in his career. Patrick prides himself in creating inclusive technical teams that have the right balance of autonomy, oversight, and mentorship to become better engineers and designers.



Sanchit Chitre, PE



Sanchit Chitre is an engineering manager at Verdantas. He is a structural and transmission engineering professional with deep experience delivering high-voltage transmission line infrastructure, from detailed analysis through execution and validation. He holds a bachelor's in Civil Engineering from Manipal University, India, and an M.S. in Structural Engineering from the University of Illinois at Urbana-Champaign. He holds a Professional Engineer (PE) license in multiple states. Sanchit's technical expertise includes structural analysis, foundation design, geotechnical coordination, load flow considerations, design reviews, and validation engineering, supporting the safe and reliable performance of complex utility assets. He frequently works on technically demanding assignments involving remediation, test coordination, construction document review, and safety-critical design control.

Location: Online

Time: Noon to 1 pm

Cost: \$10

Reservations: Pre-registration is required for all. **You can register and pay online at:** <https://www.seao.org/node/4488> before end of day, Monday, October 12. Once you register, a link will be sent to the email address saved to your SEAO contact information on the morning of Tuesday, October 12.

PDH Credit: One (1) PDH will be available for this program.

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

YMF UPDATE

JACLYN SPRINGER & EMMA MASON
CO-CHAIRS YMF

The Young Member Forum (YMF) Pickleball Happy Hour on September 24 was a wonderful gathering of SEAO's young members. Below are pictures from that event.



This month, YMF is hosting a Hilti hands-on demonstration and happy hour with Sam Downs from Hilti on Thursday, October 15, 2026, at Hilti, located at 316 SE Taylor Street in Portland, Oregon. The time is to be determined, but it will likely start at 3 pm. Immediately following the hands-on demonstration, a happy hour will be held at the Speakeasy Tavern located down the street from Hilti at 609 1/2 SE Taylor St, Portland, OR provided by Sam Downs. SEAO will cover the cost of appetizers.

The hands-on demonstration will consist of installing mechanical and adhesive anchors, power actuated fasteners, as well as performing a pull-test on anchors to see different failure modes of post-installed anchors, amongst other behavior of anchor installations. This can greatly help younger engineers learn what it is actually like to install these products using power tools so they have a better understanding during design. An RSVP form will be sent to the YMF emailing list for this Hilti Demonstration/Happy Hour event.

If you are not on the mailing list and would like to be added, please contact ymf.seao@gmail.com or complete the form via the following link to be added: https://docs.google.com/forms/d/e/1FAIpQLSdZ_P84uyjuqCv3LQWkkEG84AtO4RTI6X-

SEER UPDATE

DAVID TARRIES, PE, SE

WAsafe will be putting on a training session at the Battle Ground Community Center, just up I-5 in Washington on November 19, 2026. Qualified attendees will be entered into the Washington emergency response registry and get a credential ID from WAsafe. WAsafe training is a combination of ATC-20 and ATC-45 along with Washington-specific deployment and seismicity information. More information about the WAsafe program can be found at the following address:

[Building Safety Evaluation | WAsafe Coalition \(https://wasafecoalition.org\)](https://wasafecoalition.org). Engineers who live, work, or have clients in Washington may be interested in this training. WAsafe training can also be used to get reciprocity in OrSAP with a short Oregon-specific module.

The training will be from about 8:30am to 4:30pm on November 19. Registration is not yet open and there has not been a price determined yet. If anyone is interested, please email David Tarries at david.tarries@portlandoregon.gov and more information can be provided when it is available.

Also, please reach out to David Tarries if an Oregon-specific OrSAP training module is needed to complete reciprocity in OrSAP from an ATC-20, WAsafe, or other acceptable general training.

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. If you would like to advertise, please contact Jane at jane@seao.org.

SEAO SNOW LOAD WEBSITE

The SEAO Snow Load website is currently unavailable and has been under maintenance for the past few weeks. SEAO.snowload.org will be back online by October 17, 2026.

Please note that the use of the website applies only to residential and remodel projects. It is not current for the 2025 OSSC for new construction that is not residential.

ASK A QUESTION, GET AN ANSWER

Do you have a code question you would like to ask the Seismic Committee? 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.

ANNUAL DUES INFORMATION

Annual dues for SEAO membership will be due by October 31, 2026. The SEAO website is open for paying dues. Please contact Jane at jane@seao.org if you would like to pay an alternate way. Renewal rates are as follows:

- Member (licensed PE in Oregon): \$130
- Affiliate Member (unlicensed): \$120
- Student Member (full-time student in Civil or Structural Engineering): \$20
- Retired Members/Affiliates, or Professors: \$25
- Life Members: Free

2025 OSSC SPECIAL INSPECTION TABLES & NOTES

You may not be aware, but SEAO has a special inspection committee that generates special inspection tables and notes for members to use in the generation of their construction documents.

There are Excel spreadsheets for both the special inspection matrix and notes that are available for members to use.

Please visit <https://www.seao.org/resources/special-inspection-tables> to review and download the most current 2025 OSSC spreadsheets.

NEW MEMBERS

Julio Morelos, U.S. Army Corps of Engineers
Sean Hinchcliffe, Simpson Strong-Tie
Joseph Friedman, Oregon State University
Rollston Frangopoulos, Ashley & Vance Engineering
Natalia Izquierdo, Locke Engineers, Inc.
Ian Golightly, Oregon State University
Jackson Megy, catena consulting engineers

Marshall Stokes, MSE Consultants, LLC
Shea Ashurst, Portland State University
Tanner Cook, Portland Community College
Eoan Tipikin, Portland State University
Teague Sizemore, DeWalt
Emma Mason, Miller Consulting Engineers

Welcome new members, affiliate members, and students! We hope to see you at SEAO chapter meetings and events.

NCSEA UPCOMING LIVE WEBINARS

REGISTER AT: [HTTPS://WWW.NCSEA.COM/EDUCATION-EVENTS/CALENDAR/](https://www.ncsea.com/education-events/calendar/)

October 8, 2026, 10 am to 11 am Pacific Time (FREE Webinar)
2026 SEE Awards: Residential/Single & Multi-Family Homes – The Ayer

Speaker: Joe Ferzli, PE, SE, Cary Kopczynski & Company (CKC)
The Ayer is a 45-story residential tower completed in December 2023 that adds a bold presence to the Seattle skyline, with a geometric façade inspired by Pacific Northwest tectonics. The cast-in-place concrete structure uses post-tensioned slabs and a shear wall core to resist seismic and wind demands, achieving long spans with 12-foot perimeter cantilevers. The concrete core was designed using Performance-Based Design, including optimization of wall thickness, material properties, and coupling beam behavior. Steel Fiber Reinforced Concrete coupling beams replaced traditional diagonal reinforcement, simplifying construction and accelerating the schedule. Sixteen vertically aligned columns from foundation to roof eliminated the need for transfer beams, a rare approach in high-rise construction. Sustainability measures included high-strength reinforcement and Type 1L Portland Limestone Cement throughout the structure, reducing embodied carbon by more than 450 tons of CO₂. (1 PDH)

October 14, 2026, 8 am to 1:30 pm Pacific Time (Fee for Webinar/Not Included in Webinar Subscription Package)
CalOES Safety Assessment Program

Speakers: Patrick Murren, PE, SE CEMS Engineering & David R. Daniels, PE, Daniels Consulting Engineers LLC
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 course is LIVE ONLY. Each person must register themselves individually under their own account to participate. (5 PDH)

November 5, 2026, 10 am to 11:30 am Pacific Time (Fee for Webinar/Included in Webinar Subscription Package)
ASCE 7-22 Snow Loads: Implementation Lessons and Common Questions

Speaker: John “Buddy” Showalter, PE, ICC product development group
ASCE 7-22 introduced significant changes to snow load design, most notably with the implementation of strength-based ground snow loads. This webinar focuses on the application of these provisions, addressing issues related to drift loading, minimum snow loads, hazard tool use, and existing buildings. Through examples and discussion of common questions, participants will gain a better understanding of how to apply the ASCE 7-22 snow load provisions. (1.5 PDH)

November 10, 2026, 10 am to 11 am Pacific Time (Fee for Webinar/Not Included in Webinar Subscription Package)

Applying ASCE 7-22: New and Updated Examples from the SEAOC 2024 IBC Structural/Seismic Design Manual, Volume 1

Speaker: Mason Thau, PE, Martin/Martin

This technical webinar highlights key updates in Volume 1 of the 2024 IBC SEAOC Structural/Seismic Design Manual. The presentation will walk through Design Examples 1 and 29, updated to reflect changes in ASCE 7-22, including the new multi-period response spectrum provisions. The webinar will also introduce Design Example 62, a new example illustrating the increasingly relevant alternate design provisions for diaphragms in ASCE 7. The examples provide practical insight into applying these updated provisions to structural design. (1 PDH)

November 12, 2026, 10 am to 11 am Pacific Time (FREE Webinar)
2026 SEE Awards: Forensic/Retrofit/Rehab – Structure of the Year 2025 Winner – Millennium Tower Perimeter Pile Upgrade

Speaker: Ronald Hamburger, PE, SE, Simpson Gumpertz & Heger
San Francisco’s Millennium Tower is a 58-story luxury condominium building developed between 2005 and 2009. Over the next ten years, the structure settled more than 18 inches and tilted a similar amount, resulting in litigation. To address these issues, SGH designed a unique structural upgrade, which involved installing 18 piles along the building’s north and west sides extending to bedrock to arrest further settlement and provide for gradual recovery of tilting. Completed in September 2023, the upgrade has proven effective. Mr. Hamburger will describe the structural and geotechnical analyses performed, and the retrofit details. (1 PDH)

November 17, 2026, 10 am to 11:30 am Pacific Time (Fee for Webinar/Not Included in Webinar Subscription Package)

Design of Multi-Story Cold-Formed Steel Buildings: Code Updates and Practical Considerations from the SEAOC 2024 IBC Structural/Seismic Design Manual, Volume 2

Speaker: Jeff Ellis, PE, SE, Simpson Strong-Tie

This presentation provides a practical overview of code provisions relevant to the design of CFS lateral-resisting systems, illustrated through a three-story CFS-framed building. Topics include floor framing system selection, overturning restraint design and detailing, wall stud bracing, and application of overstrength and expected-strength factors. The presentation draws on the SEAOC SSDM design example, updated for the 2024 IBC and referenced AISI S100/S200-series standards, with a focus on practical design and detailing considerations for structural engineers. (1.5 PDH)

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

EMPLOYMENT OPPORTUNITIES

Harper Houf Peterson Righellis

Structural Engineer – 5 Years Minimum Experience
Portland, OR

We are seeking an experienced Structural Engineer for our Portland office. Candidates should have 5+ years of relevant experience (10+ years preferred). Responsibility level will be based on experience, qualifications, and demonstrated capabilities.

Responsibilities

- Perform structural design, calculations, code compliance reviews, and contract document preparation for wood, timber, steel, concrete, and masonry projects.
- Prepare structural calculations and permitting documentation.
- Conduct feasibility studies, structural analysis, and recommend cost-effective structural systems.
- Participate in QA/QC reviews and provide technical guidance to team members.
- Assist with or lead project scopes, proposals, budgets, and schedules.
- Coordinate with clients, architects, contractors, agencies, and multidisciplinary teams.
- Build and maintain client relationships and support business development efforts.
- Provide construction-phase support and resolve structural issues.
- Manage project delivery and mentor junior staff, commensurate with experience.

Qualifications

- Bachelor's degree in civil engineering with a structural emphasis preferred.
- 5+ years of structural engineering experience; 10+ years preferred.
- Professional Engineer (PE) license required; Structural Engineer (SE) license preferred.
- Knowledge of applicable building codes and standards.
- Proficiency with structural analysis and design software; AutoCAD and Revit experience preferred.
- Strong project management, communication, and technical documentation skills.

Apply via [HHPR's Career Center](#).

Jackola Engineering

Structural Engineer – 5 Years Minimum Experience
Vancouver, WA

Jackola Engineering & Architecture is seeking licensed Structural Engineers (PE) with 5+ years of experience to join our growing structural team. (Also looking for a Senior Structural with 10+ years.)

This position offers the opportunity to lead the design of diverse projects across commercial, industrial, healthcare, educational, municipal, and specialty markets while working alongside architects, engineers, and designers in a collaborative, multi-disciplinary environment. Engineers at Jackola are trusted with meaningful responsibility, direct client interaction, junior staff mentorship, and the ability to make a visible impact on projects and communities.

Qualifications:

- PE license required (SE a plus)
- 5+ years of structural engineering experience
- Experience designing wood, steel, concrete, and masonry structures
- Strong knowledge of building codes and structural analysis software
- Proficiency with Revit, Bluebeam, and Microsoft 365
- Excellent communication and problem-solving skills

At Jackola, you will find technical mentorship, career growth opportunities, employee ownership potential, and a culture that values accountability, teamwork, and professional excellence. See jackola.com for more detailed descriptions.

Locations: Kalispell, MT | Bozeman, MT | Vancouver, WA
(in-office positions only)

EMPLOYMENT OPPORTUNITIES (CONT.)

catena consulting engineers

Structural Engineer

Portland, OR

catena consulting engineers is an award-winning structural engineering firm in Portland, Oregon, offering the personal environment of a small firm with the opportunity to work on a wide variety of exciting projects. Our projects range from a single day's effort to large-scale developments with construction values exceeding \$300 million.

Engineers at catena gain experience in concrete, steel, timber, masonry, and seismic engineering across healthcare, education, commercial, and residential projects. Our collaborative culture emphasizes mentorship, teamwork, professional development, and hands-on learning. You'll work closely with Principals and senior-level staff while building your career in a dynamic, supportive environment.

We are seeking structural engineers at all experience levels who are motivated to learn, grow, take on challenges, and contribute to meaningful projects. catena offers competitive compensation, incentive bonuses, profit sharing, 401(k) matching, hybrid work environment, flexible schedules, comprehensive healthcare, and professional development opportunities.

To learn more about our current openings and submit your resume, visit catenaengineers.com/opportunities.

YOU'RE INVITED!

Inaugural Event

2026 Disaster Resilient Infrastructure Symposium

Date: Thursday, October 15, 2026

Time: 4:00pm – 7:00pm

Location: SMSU335 (Ballroom, 3rd floor)

Portland State University

Smith Memorial Student Union, 1825 SW Broadway



Featuring

2026 EERI Distinguished Lecture

***Towards Critical Infrastructure Resilience:
Lessons from the Oregon Experience***

Yumei Wang, *PSU CEE Senior Advisor on Infrastructure Resilience and Risk*

Expert Panelists

Kent Yu, *SEFT Consulting, Principal*

Jonna Papaethimiou, *State Resilience Officer*

Mike Kortenhof, *Oregon Department of Environmental Quality (ret.)*

Dan Pippenger, *Port of Portland, Chief Aviation Officer*

Register for FREE today!

Registration link:

<https://tinyurl.com/DRI-PSU>

or scan QR code



Contact: Nadeem Hanayneh at nadeem2@pdx.edu

GIGSO Website: geotech.cee.pdx.edu

A Civil and Environmental Engineering Department event established by Yumei Wang and hosted by the Earthquake Engineering Research Institute (EERI) Student Chapter at Portland State University and the Geo-Institute Graduate Student Organization (GIGSO) in collaboration with Portland State University ASCE Student Chapter

Symposium on Disaster Resilient Infrastructure

Host: Portland State University (PSU) Civil and Environmental Engineering Department (CEE)

Date / Time: October 15, 2026 from 4:00 pm to 7:00 pm

Location: PSU Smith Memorial Student Union Ballroom (Rm 335), 1825 SW Broadway, Portland

Description: The Symposium on Disaster Resilient Infrastructure provides a forum for a variety of professionals and other relevant parties to encourage the continued development and advancement of critical infrastructure resilience in the face of natural disasters. The aims of the symposium are to: (1) deepen our understanding of the risks to critical infrastructure from natural disasters; (2) learn about recent improvements in infrastructure and other progress relevant to the implementation of the Oregon Resilience Plan; and, (3) encourage continued improvements to disaster resilience through technical means and public policy. Participants include engineers, disaster-preparedness professionals, representatives of relevant industries, property owners, policy makers, engineering students, educators, and others.

PROGRAM

- 4:00 – 4:05 Welcome: Peter Dusicka, PSU CEE Chair
- 4:05 – 4:10 Introduction: Diane Moug, CEE Associate Professor (symposium moderator)
- 4:10 – 5:00 Featured Speaker: Yumei Wang, “Towards Critical Infrastructure Resilience: Lessons from the Oregon Experience” (2026 Earthquake Engineering Research Institute Distinguished Lecture)
- 5:00 – 5:50 Panel discussion on Oregon’s infrastructure and unmet needs
Panel session facilitated by Yumei Wang
- Kent Yu, SEFT Consulting, Principal, Oregon Resilience Plan (ORP) vision
 - Jonna Papaethimiou, Oregon State Resilience Officer (SRO), Guiding the progress of the ORP
 - Mike Kortenhof, Oregon Department of Environmental Quality (DEQ) (ret.), DEQ Fuel Tanks Seismic Safety Program
 - Dan Pippenger, Port of Portland, Chief Aviation Officer, PDX runway unmet needs
- 5:50 – 6:05 The Yumei Wang Special Recognition Awards
- Jones Barton, EERI student awardee: presented by Arash Khosravifar CEE Associate Professor
 - Ethan Frederick, ASCE student awardee: presented by David Yang CEE Assistant Professor (accepted on behalf of Ethan Frederick by Mary Ann Triska)
- 6:05 – 6:10 Closing Remarks by Diane Moug
- 6:10 – 7:00 Student posters, table exhibitors and networking in the Vanport Room

Special thanks to the EERI Student Chapter, Geo-Institute Graduate Student Organization (GIGSO), and CEE Department for co-organizing this event; in particular, Nadeem Hanayneh, lead student organizer.

Student Posters

- Sam Anderson – Structural assessment of the Critical Energy Infrastructure (CEI) Hub fuel tanks
- Benyamin Jalilnavaznovin – Seismic analysis of pile-supported wharves
- Jackie Oetterer, Lillian Weaver, and Julia Rosenblit – Transdisciplinary research on disaster resilience: CEI Hub case study
- Narges Pahnabi – Advanced imaging of concrete structures: ensuring mobility and infrastructure resilience
- Fadzai Zivanai – Liquefaction mitigation by microbially induced desaturation

Table Exhibitors

- PSU Symposium on Disaster Resilient Infrastructure, Host: Mike Korten Hof
- EERI (Earthquake Engineering Research Institute), Student Chapter
- ASCE (American Society of Civil Engineers), Student Chapter
- EWB (Engineers Without Borders), Student Chapter
- PSU RECHARGE (Research and Education for Cascading Hazards And Resilient Group Engagement) Natural Resilience Team (NRT)
- CRESCENT (Cascadia Region Earthquake Science Center)



LEAPING THE DRAGON'S GATE Artist: *N. Yung (2018)*

The painting depicts an ancient Chinese myth in which a humble carp is transformed into a mighty dragon through its persistent efforts to scale an imposing waterfall on the Yellow River — an apt metaphor for the innovative thinking, perseverance, and transformative work that will be required for our society to achieve resiliency of critical lifeline infrastructure in the face of natural hazards.



ERICKSON STRUCTURAL
CONSULTING ENGINEERS, PC

STRUCTURAL PEER REVIEW SERVICES

NEED A SECOND SET OF EYES ON YOUR PROJECT?

Erickson Structural provides independent, customizable peer reviews for engineers working on existing buildings. Our reviews help reduce risk, improve efficiency, identify alternatives, and propose solutions. Peer reviews can be general or detailed, topic-specific, and tailored to fit your timeline and budget. Reviews can be conducted confidentially behind the scenes, so our involvement is not visible to the engineer's client, or transparently, so that all parties are aware of our role and recommendations, depending on project needs and engineer preferences.

We Provide Peer Reviews for:

- ✓ Engineering Reports for Complex Structural Projects
- ✓ Remediation for Structurally Distressed Buildings
- ✓ Structural Forensic Investigations

Flexible Review & Feedback Options:

Feedback can be provided verbally, in writing, through red-line markups, or other formats to meet project needs.

"I have been sending my structural reports to Erickson Structural to review for many years. I have had other engineers review my reports but have not encountered anywhere near the level of thoroughness, quality, frankness and technical feedback that I've received from Erickson Structural. I highly recommend their reviews to enhance the quality of your engineering product." - Marcor Platt, PE, SE

READY TO BEGIN? Start your peer review today at ericksonstructural.com/peer-review
QUESTIONS? Contact us at info@ericksonstructural.com

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