

June 2024



June 2024 Equilibrium

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Seattle Chapter's June Dinner Meeting

Date: Thursday, June 27th, 2024

Time: 5:00 – 8:00 PM

5:00 Networking (no-host bar)

6:00 Dinner

6:30 Program

Location:

EvenTide Lake Union at Tyee Yacht Club

3229 Fairview Ave E, Seattle, WA 98102

Note: Limited venue parking, ample street parking

Cost:

- Students: \$40
- SEAW Member: \$70
- Non-member: \$85
- SEAW Life & Honorary Members - FREE

Join us for the June Social, where we will recap the past year, present awards, introduce our incoming board members and officers, and have a presentation on the Seattle Aquarium Ocean Pavilion which is nearing completion. The June Social is always a fun way to close out our year before the summer break and look forward to the new year!

Register Today!

1 PDH will be available to attendees

Presentation:

The Seattle Aquarium Ocean Pavilion: When the Main Exhibit becomes the Main Lateral System

Part of a decades-long revitalization of the Seattle Waterfront, the Seattle Aquarium Ocean Pavilion links the waterfront and Pike Place Market, engages the surrounding public, and connects the existing Aquarium to the world's oceans through enhanced educational opportunities. The primary habitat at the Aquarium is a 350,000-gallon saltwater concrete structure that doubles as the building's primary lateral system. With geometry suited for animal life, the many curves in the concrete required specialized analysis and design procedures, axonometric rebar documentation, and a concrete mix design and rebar detailing suited to the contractor's preferred sequencing. As the Engineer of Record, MKA seamlessly wove together the Aquarium's architecturally driven structure and the seismic demands of Seattle to pioneer a new, 50,000 square foot waterfront landmark for future generations to enjoy.



Panelists:



Panelists:

Hannah Bonotto, PE, SE, Magnusson Klemencic Associates

Hannah Bonotto is an Associate at Magnusson Klemencic Associates, an award-winning structural and civil engineering firm headquartered in Seattle. Hannah is a leader of MKA's Cultural Specialist Group, with a particular focus on museum and library projects. Her experience on the Seattle Aquarium Ocean Pavilion has provided her with an understanding of atypical museum structures, project integration in parks and public spaces, and architecturally expressed primary structure. Hannah received her B.S. from Bucknell University and her M.S. from the University of California, Berkeley, in Civil Engineering.



Hanna Kato, AIA, CDT, LEED GA, LMN Architects

Hanna Kato is an Associate at LMN Architects, an award-winning, interdisciplinary architecture firm headquartered in Seattle. She is the Project Architect for the Ocean Pavilion and has worked on a variety of projects, ranging from higher education to museums. Hanna received her B.Arch. from Virginia Tech.

June Chapter Check-In

SPOKANE, by Heather Kline

Spokane closed out the year with our fun end of year social at Dry Fly that was attended and sponsored by Simpson Strong Tie, Redbuilt, Knife River, Premier SIPS, and Masonry Industry Promotion Group. Thank you Sponsors, the event was well attended and an enjoyable evening of networking and learning more from our sponsors.

At the event we were honored to recognize and thank Joe Scholze for his years of unwavering service to SEAW and our local chapter. He began his years of service in the late 1980s and has continued to be a steadfast leader of the board and SEAW events. He has been state and local president, served as a director, and for the past 12 years he has been Spokane's Treasurer, welcoming everyone to our monthly lunch meetings. He was very active in a couple of the snow studies and papers published on the SEAW website. Thank you, Joe!

For a bit of fun, Gonzaga University civil engineering Professor Dr. Sara Ganzerli noticed many of her past students were in attendance, humorously wrote a differential equation on a chalkboard, and posed with all the students for a photo. We are grateful for our professors!

This event is also a point of transition in leadership on our board. The Spokane board is happy to welcome Parker Spotts with Coffman Engineers as our new Vice President, Kyle Umlauf with Umlauf Engineers as our new Treasurer, and Ted Bernard with Eclipse Engineering as a director. They will serve with the current board members, Emily Sackman with Coffman Engineers as President, Brent Olson with Integrus as a director, and Heather Kline with Integrus as the Past President. This was a successful year, and the board is now looking forward to the future and getting events set up for next year.



Dr. Sara Ganzerli, professor at Gonzaga, gathers with many of her previous students at the latest Spokane Chapter event. Photo courtesy Heather Kline.

SOUTHWEST, by Jared Plank

The end of our 2023-2024 year has arrived, but there is still one more opportunity to participate before the summer.

In official news, elections have been finalized. Evan Olszko was elected President and Jim Farley was elected Vice President. Also, we had two individuals with write-in votes for Non-Voting Director: Hai Lin and Trevor Lafontaine. All four of these individuals will join the board for the 2024-2025 year. I'm looking forward to getting to work with each of them and am excited to see the direction that the board takes with Evan taking the lead! Please take a moment to congratulate and thank our full board for the 2024-2025 year:

- President – Evan Olszko
- Vice President – Jim Farley
- Past President – Jared Plank
- Secretary – Kyle Gysler (current)
- Treasurer – Andy Pflueger
- Voting Directors – Jacob Baker, Kirk Keppler
- Non-Voting Directors – Leah Cate, Blaine Sanchez, Hai Lin, Trevor Lafontaine

On a personal note, the end of this 2023-2024 year will mark my second year as President of the Southwest Chapter. Apparently, I didn't learn my lessons the first time and had to repeat. It has been a pleasure representing the dedicated structural engineers of the Southwest Chapter. The last two years were a critical time to get our chapter back on track after a few years of COVID-related issues limiting our ability to meet. Our goal as a board has been to provide great technical content, interesting speakers, unique projects, and camaraderie. We had a goal through this time to maintain our pricing for our events even with inflation. We recognize that our members are busy, but that this organization is "worth it." We worked to provide great content and locations where we could socialize with our peers and clients.

I hope that we can continue to share in our knowledge, passion, and mentorship as we carry this organization on for years to come. Let's all work together to make our profession as strong as the buildings we design. Please support the organization by coming to our events, joining a committee, participating on the board, or providing your feedback. And lastly, please join me in welcoming our new President, Evan Olszko, who will take the helm for 2024-2025. I'm confident that we'll keep up the momentum with your support.

Lastly, I hope our members and guests will make it a priority to attend our events to finish out the year. See below for some brief updates on what's going on with the Southwest Chapter and we hope to see you ALL at our next event!!

- Year End Social Event: Rainiers Baseball Game and Dinner – Invite your coworkers, friends, and family to a great night out at the Rainiers!
- Fall Event: October timeframe – look for more details soon.



From the archives, the SEAW SW Chapter toured the APA testing facility in April 2023, where they saw a full-scale shear wall test in progress. Photo by Jacob Baker.

The South Central chapter ended the year with a bang. We had our largest and longest (in a good way) meeting in years. A reasonable fraction of our membership and a few expected guests showed up to celebrate long-time SEAW fixture Jill Shuttleworth as she was presented with a Lifetime Service Award (thanks for your many years of service, Jill!). Jill is one of only 10 SEAW members to ever receive this award, and it is well deserved. Jill brought with her SEAW's one and only shake table – that elusive device – and gave a brief demonstration on how she has been using it for outreach in the elementary schools.



*Ed Huston presents Jill Shuttleworth with a Lifetime Service Award from SEAW.
Photo courtesy Meier Architecture + Engineering.*

We then transitioned to a presentation by Dr. Fred Raab, physicist and pioneer at LIGO-Hanford, on detecting gravitational waves (see additional article below in this edition of Equilibrium). A few folks stayed for a lengthy Q&A session. Our most recent chapter election saw Matt Leslie elected as president and Teresa Krell as vice-president. We're excited for Teresa to bring some new energy to our chapter leadership, and I am personally grateful for all of our South Central chapter members for their ongoing enthusiasm.

**Register today for the SEAOC Convention
+ Northwest Conference**

By Scott Douglas



2024 SEAOC Convention + Northwest Conference in Portland, OR

Hyatt Regency at the
Oregon Convention Center
Portland, Oregon



Information and Registration at:

Home | 2024 SEAOC Convention (pheedloop.com)

This year the 2024 Northwest Conference (for the SEAs of Washington, Oregon, Idaho, Montana, and British Columbia) will be combined with the annual SEAOC (Structural Engineers Association of California) Convention. It will bring together structural engineers and other professionals from across our profession and the world to discuss the latest developments in structural engineering, as well as share best practices and innovative solutions.

Save the Date - 2024 Joint SEAOC Convention/SEA Northwest Conference
September 3 - September 7
Hyatt Regency Portland

Attendees can expect a variety of informative sessions and workshops, as well as networking opportunities with peers and exhibitors. The schedule and technical presentations, taking place Wednesday, September 4 through Friday, September 6, will be announced soon.

There are registration discounts for Young Members and First time Conference Attendees.

Visit the [SEAOC Convention + Northwest Conference](https://pheedloop.com) website for information and registration.

SEAW 2025 Membership Dues Increase

By Tyler Winkley

After a thorough analysis of SEAW's current financial standing, combined with the projected income and expenses for the next few years, the SEAW State Board voted to increase membership dues beginning in

2025. This decision was not made lightly, and we want to be transparent with the main reasons behind the dues increase.

The first factor driving the SEAW dues increase is the NCSEA dues increase that was approved by the NCSEA Board of Directors in May of 2022. NCSEA dues are always included in local SEA dues, so these increases must be covered by SEAW to maintain our membership within NCSEA. In return, all SEAW members automatically become NCSEA members and can take advantage of several benefits that are available as members of the national organization (for more information on those benefits, log in to your account at www.ncsea.com). The NCSEA dues adjustment began in 2023 and will continue to increase incrementally through 2027. Our adjustment will occur one time in part to cover the increasing dues to NCSEA.

The second factor is the rising costs of the programs and services we provide. SEAW has not adjusted its dues since 2014, despite the increasing costs of maintaining and improving our services. Note that SEAW also strives to reduce costs where possible, which includes creative virtual offerings, alternative venues for in-person meetings, and soliciting company and vendor sponsorships to help fund events.

The State Board will provide additional information in the coming months, including the exact amount of the dues increase, to ensure you receive ample information and notification prior to the dues increase taking effect. We understand that any increase in dues can be challenging for our members. As a membership-driven organization, we are deeply committed to ensuring you continue to receive exceptional value and support from SEAW.

We are proud of the community we have built together and the impact we continue to make in the structural engineering field. Your ongoing support and involvement are critical to our mission, and we are grateful for your commitment to SEAW. Thank you for your understanding and continued dedication. If you have any questions or concerns about the dues increase, please do not hesitate to reach out to us.

Sincerely,
Your SEAW State Board

Detecting Gravitational Waves at LIGO Hanford

By Daniel Sumerfield, SC Chapter

In its final meeting of the season, the SEAW South Central chapter was honored to receive Dr. Fred Raab of the Laser Interferometer Gravitational Observatory (LIGO) at Hanford to give a technical presentation. Dr. Raab was one of the pioneers of LIGO construction and served as the director of LIGO Hanford for more than 20 years.

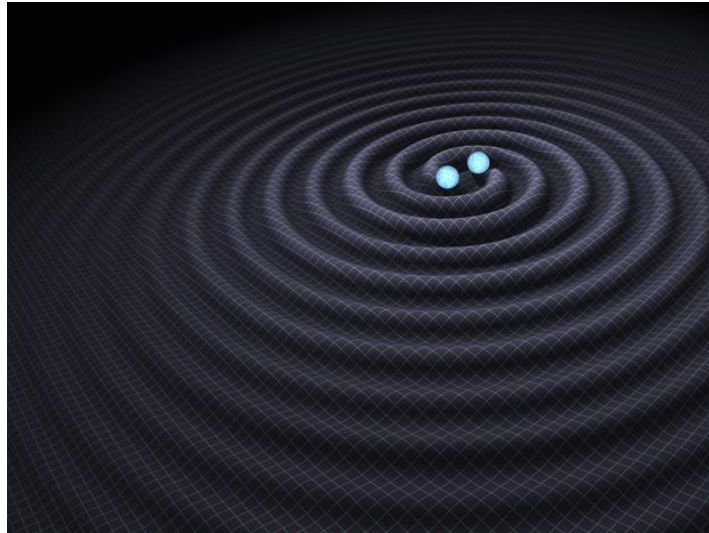
"LIGO exploits the physical properties of light and of space itself to detect and understand the origins of gravitational waves," the LIGO Laboratory explains. The purpose of LIGO is to detect the gravitational waves which are produced during black hole and neutron star mergers, the most energetic interactions in deep space currently known. These gravitational waves are predicted by Einstein's general theory of relativity, first published in 1915. However, many phenomena predicted by Einstein's theory (such as gravitational waves) were untestable with the technology of the time. In fact, even when LIGO construction first started in 1994, the theoretical physicists understood that it would likely take another 20 years before the technology would "catch up" to the theory and produce any observational results of gravitational waves!



The LIGO Hanford facility in Richland. Courtesy Fred Raab.

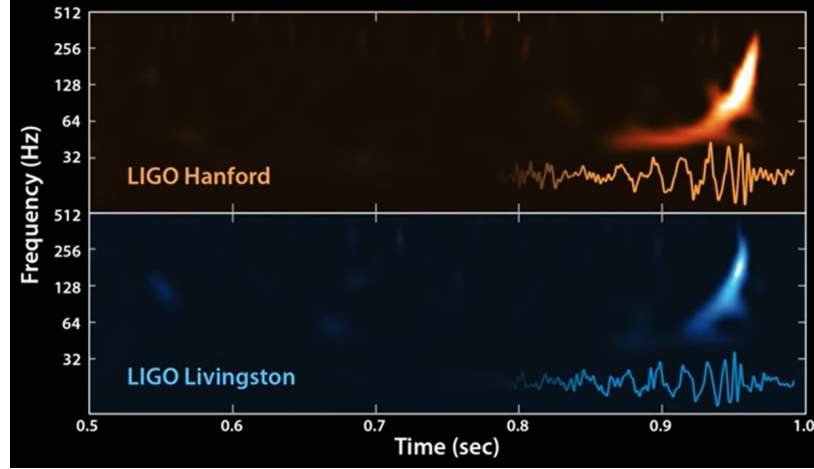
The LIGO facility consists of a main equipment building with two 4-kilometer arms extending at perfectly right angles into the distance. Each arm houses a 1.2-meter diameter vacuum tube for a laser beam to

travel (the distance traveled is the important parameter here, as a longer distance means higher observational sensitivity). A powerful laser of a single precise wavelength is sent to a beam splitter at the node of the arms. Half of the light is sent down each 4-kilometer arm to a high precision mirror, which then reflects the light back toward the origin where the two beams are “recombined.” As the two beams recombine, the wavelengths experience constructive or destructive interference. If some outside force affects the length of the beam path by making it slightly shorter or longer compared to the other arm, then the change in the interference pattern can be observed as a function of time, and converted to a signal that can be interpreted by the physicists. This is known as an “interferometer,” since it uses the interference of wave signals to inform us of the observed phenomenon. The end goal of this interferometer is to detect whether a gravitational wave has passed through the facility and “stretched” one arm of the laser slightly more than the other, and so put the lasers incrementally out of phase. And when I say slightly, I mean that the interferometer needs to detect a change in length on the order of 10^{-18} meters. That’s 1/1000th the width of a proton!



An illustration of waves generated by merging black holes. Courtesy Fred Raab.

For LIGO to make such precise measurements, the researchers must isolate the building from all possible vibrational noise. That means the building must be incredibly stiff to prevent variable wind pressures from deflecting the structure. The facility must be in region of relatively quiet seismic activity, and located reasonably far from roads and other infrastructure (but not so far that nobody will live there!) The HVAC system must be vibrationally quiet. In fact, the facility managers discovered it can only run the system at a low airflow volume because otherwise the air turbulence affects the signals. The mirror in each tube must be suspended from a special triple-pendulum isolator, hung from tiny threads of silica, to dampen out as much background vibration as possible. The vacuum tube itself had to be made from a special low-hydrogen alloy, requiring specialized welding procedures and new inspection methods, all to achieve a maximum possible vacuum within the tube: 1 trillionth of an atmosphere (can't have any stray air molecules scattering the laser light!). The force of the vacuum is so high, that the tubes are anchored on each end by a 10-foot-thick concrete mass to resist the pressure differential. Even with all of these precautions, a single facility cannot validate an astronomical event. It's just too difficult to observe with one detector due to background vibrations that can never be fully avoided (for example, from the tidal fluctuations of the moon's gravity felt *within the solid crust of the earth*). The signal of an outside event can only be confirmed by comparing the responses from multiple facilities, then computationally filtering out the background vibrations of each location to confirm a common “wobble” of extraterrestrial origin. The LIGO Hanford and Livingston facilities first observed gravitational waves in 2015 and have since observed approximately 100 confirmed events with adequate statistical confidence.



*Examples of two gravitational wave signals from LIGO Hanford and LIGO Livingston in Louisiana.
Courtesy Fred Raab.*

This was a truly fascinating and mind-bending presentation. We were grateful for Dr. Raab's time and willingness to stay into the night and answer our questions. As one colleague quipped after the talk, "never has a speaker made a room full of engineers feel so dumb!"

YMG Announces 'Cultivating Growth' Happy Hour

By Anandharam Mourougassamy, YMG



SEAW YOUNG MEMBERS GROUP

presents

CULTIVATING GROWTH

HAPPY HOUR SERIES

How do we play a role in the growth of our city and the structural engineering community?



LUND OPSAHL

MAY 23RD, 5:00 - 7:00 PM
1215 4TH AVE SUITE 1200



KPFF

JUNE 20TH, 5:00 - 7:00 PM
1601 5TH AVE #1600



**PCS
STRUCTURAL
SOLUTIONS**

SEPT 19TH, 5:00 - 7:00 PM
1011 WESTERN AVE UNIT 810



HDR INC

OCT 24TH, 5:00 - 7:00 PM
600 UNIVERSITY ST SUITE 500



DEGENKOLB

NOVEMBER 14TH, 5:00 - 7:00 PM
600 UNIVERSITY ST SUITE 1001



Food and beverages will be provided at every event
For queries, contact seawymg@gmail.com

All YMG are invited to attend the scheduled upcoming Happy Hour events.

The Seattle Younger Member Group is pleased to announce the schedule for this year's Happy Hour series, themed "Cultivating Growth."

"Cultivating Growth" means we are interested in having conversations about our growing city and the structures, firms, and engineers that are making that growth a reality. These discussions can touch on the physical aspects of new development, the evolution of structural engineering firms, collaborations with other professions, and most importantly the personal development of structural engineers both at work and in our personal lives.

Please RSVP to the Happy Hours **here**:

RSVP Today!

There will be raffles throughout the series, so the more you attend the better chance you'll have at winning.

NCSEA Summit Announcements

STRUCTURAL ENGINEERING SUMMIT 2024

LAS VEGAS, NV: MGM GRAND HOTEL | NOVEMBER 5-8, 2024



By Chun Lau, NCSEA

Registration Opens This Month!

NCSEA's highly anticipated Structural Engineering Summit will be held Nov. 5-8 at the prestigious MGM Grand Hotel in Las Vegas. With nearly 100 summit abstracts received, this event promises to be a pinnacle gathering for structural engineering professionals. Prepare for an unparalleled technical education experience as we showcase a fantastic slate of sessions covering cutting-edge topics, innovative technologies and industry insights. Registration will open in Mid-May, so stay tuned for upcoming announcements and secure your spot at this premier event where knowledge meets networking in the heart of the entertainment capital of the world. Don't miss out on this opportunity to elevate your expertise and connect with peers in the field. Click [here to learn more](#).

Call for Young Member Summit Scholarship Submissions!

For over a decade, NCSEA has provided scholarship opportunities for Young Members and Young Member Groups to cover expenses associated with attending the Structural Engineering Summit, this year scheduled for November 5-8 at the MGM Grand Hotel in Las Vegas.

First-time Young Member scholarship recipients receive complimentary Summit registration as well as a travel stipend of \$1,000 to use toward transportation and hotel costs. Previous Young Member scholarship recipients will receive complimentary registration for the Summit.

As part of its commitment to nurturing young talent, NCSEA will also continue to offer the Young Member Group of the Year award. This accolade recognizes an exceptional Young Member Group (YMG) affiliated with one of the Structural Engineering Associations (SEAs). Finalists will receive complimentary registration and a \$1,000 travel stipend to send a representative to the Structural Engineering Summit. The winning Young Member Group will be announced at the Summit and will receive an additional \$2,500 for their Young Member Group to use for future activities.

Don't just imagine yourself as one of the fortunate scholarship recipients, but make it a reality by submitting an application by Monday, June 24th. All who qualify are encouraged to learn more and submit applications [HERE](#).

Travel stipends for the 2024 Young Member Summit Scholarships are generously sponsored by Computers & Structures, Inc.

SEAW WEC to Present at SEAOC/SEAW Conference

By Scott Douglas, Wind Engineering Committee

The Wind Engineering Committee submits the following report for the June 2024 Equilibrium:

- **SEAW WEC Presentation at the September 2024 SEAOC/SEA NW Conference** - The SEAW WEC will give a presentation in conjunction with the SEAOC and SEAOC Wind Engineering Committees at the upcoming SEAOC/SEA NW Conference this September. Each organization will present its Special Wind Region efforts and achievements. The SEAW WEC Committee will then present an accepted method for site specific wind exposure classification in lieu of the simplified definition criteria of ASCE 7 Section 26.7.3. This approach was used by the SEAW Wind Engineering Committee for the City of Seattle's Puget Sound and Lake Washington shoreline areas. Visit Home | [2024 SEAOC Convention \(pheedloop.com\)](#) for Conference information and registration.
- **City of Bellevue Kzt Map** - Work continues on the Kzt Wind Load Factor map for the City of Bellevue's consideration. It will replicate the existing City of Seattle Wind Load Factor Map found at [Wind Load Factors - SDCI | seattle.gov](#). If adopted the map will facilitate an alternate conservative method for rapid determination of Kzt factors and justify use of a Shoreline Exposure C classification in the City of Bellevue.
- **State of Washington Special Wind Regions (SWR)** - The recommendations in White Paper WEC #3-2023 [Structural Engineers Association of Washington \(squarespace.com\)](#) will be submitted next month to the Washington State Building Code Council for adoption as an amendment to the Washington State Building Code. It is expected the recommendations will be adopted as an amendment and become effective in the first part of 2025. These recommendations for Washington State will be submitted to the ASCE 7-28 Subcommittee on

Wind Loads for balloting after the subcommittee's next meeting this October.

- **Update to the 2004 SEAW commentary on wind code provisions (ATC 60)-** Work continues on this effort by the NCSEA CAC Wind Engineering Subcommittee. There is a December 31, 2024, deadline for submittal to the NCSEA Publication Committee. Several SEAW WEC Members are involved in this Commentary revision.
- **Participation** – All SEAW members, whatever their experience, are encouraged to participate in WEC meetings. Please contact the WEC chair, Scott Douglas sdouglasscott@gmail.com, to join the SEAW WEC and receive additional information and announcements on Committee activities and actions.

Next Meeting – Friday June 21 from 12 to 1 PM. Meeting will be on Zoom:

<https://us02web.zoom.us/j/86394497505?pwd=bIFKRnNjTENZWjRxQW1YNFNsbU5RQT09>

Passcode: 764669

Upcoming ATC-20 and WAsafe Building Safety Evaluator Trainings

By Joyce Lem, DPRC

The WAsafe Coalition was formed to be able to respond following a major earthquake or other natural disaster. WAsafe is the Washington State program that organizes and trains a cadre of engineers, architects, and other industry professionals to assist local jurisdictions with field work following a major disaster, determining whether buildings are safe for occupancy.

If you are interested in learning how to do post-disaster building safety evaluations, then join the WAsafe registry to help Building Officials assess their building stock and help your community. In-person WAsafe BSE trainings are being planned for these two locations:

- October 2024 in downtown Seattle, and
- Fall 2024 (TBD) in Spokane (through the Spokane Chapter)

In the meantime, an online **ATC-20 Post-earthquake Safety Evaluation of Buildings** class will be held on July 16, from 1-5 PM. SEAW's Ed Huston will be the instructor. The class is sponsored by the Washington Emergency Management Division. When details and a registration link are published, an announcement will be shared. Details will also be available on the WAsafe website: [Get Training](#). Completing the ATC-20 class **and** the separate WAsafe Program and Process module (approximately one hour online) meets the training requirement for first-time enrollment as a WAsafe Building Safety Evaluator.

If you're already a member of WAsafe, your enrollment expires 5 years after your last training. See your ID badge for the expiration date. Please take the online Refresher training within 12 months after your WAsafe enrollment expires. For more details and to register, use this link: [Refresher](#).

For more about the WAsafe program, visit the website: wasafecoalition.org.

SEAW is a key member of the WAsafe Coalition. If you have any questions about the Disaster Prep/Response Committee or the WAsafe program, please send an email to joyce.seaw@wasafecoalition.org



Building Safety Evaluators assist local jurisdictions with field tests after an earthquake, such as for this elementary school in Jojutla, Morelos damaged by the 2017 Central Mexico Earthquake. Photo courtesy Reid Middleton.

Calendar

June 5, 2024, 6:05 PM

SEAW Southwest Chapter Social, (@Rainiers Baseball Game)

June 20, 2024, 5:00 PM

Cultivating Growth YMG Happy Hour Series, (@KPFF Seattle)

June 21, 2024, 12:00 - 1:00 PM

Wind Engineering Committee Meeting, (@Via ZOOM)

June 24, 2024

DEADLINE for YMG Scholarship Application for NCSEA Summit

June 27, 2024, 5:00 PM

Seattle Spring Social, (@EventTide Lake Union)

July 16, 2024, 1:00 - 5:00 PM

ATC-20 Post-Earthquake Safety Evaluation of Buildings Course, (@Virtual)

September 3-6, 2024

SEA Northwest Conference (@Hyatt Regency Portland at the Oregon Convention Center)

November 5-8, 2024

NCSEA Summit (@MGM Grand, Las Vegas, NV)

Membership Postings

Welcome New Members!

Rajendra Soti

PBS Engineering & Environmental
SE Member – Seattle Chapter

Colin Taylor

WSU
Student

Haruka Migita

UW
Student

Zane Zimmerman

Student

Employment Opportunities

Are you currently seeking employment as a structural engineer, senior manager, or a senior engineer technician? Check out our job board for [current employment opportunities](#).

Opportunities for Mid-level Structural Engineer and Senior Project Manager:

Seattle Structural is a downtown Seattle firm looking for qualified structural engineering professionals to join our talented team practicing across several different industries. Seattle Structural offers an excellent opportunity to work on a variety of public and private institutional, healthcare, educational, and commercial projects. Specialty areas include waterfront, scoreboards and large display systems, and construction support. We offer a competitive salary and a relaxed, collaborative work environment. Work is on-site in our Belltown office near the waterfront. Benefits include medical, transit reimbursement, and retirement matching. Seattle Structural is a firm that makes it easy to become personally invested in the achievements of your company.

Telecommuting or working from home is not compatible with our workflow and we will not consider your



application if you are unable to be physically present in our office during regular business hours. This is a full-time on-premise employee offer only. Contract engineers and remote work will not be considered. Seattle Structural is an Equal Opportunity Employer.

We are filling two positions. Candidates must meet the following requirements:

- Mid-level Engineer: 5+ years' experience.
- Senior Project Manager: 10+ years' experience.
- BS or MS in Structural, Civil/Structural, or Architectural Engineering.
- Experience in steel and concrete buildings, aluminum structures, lateral analysis, deep foundations, and marine projects are desired.
- Working knowledge of CAD and Revit preferred.
- Strong emphasis on client service.
- Excellent communication skills.
- Strong technical skills.

To apply, please email a cover letter along with your resume which includes your professional references.

Please address inquiries to:

Lisa Wipplinger
Seattle Structural PS Inc.
3131 Elliott Avenue Suite 600A
Seattle, WA 98121
LWipplinger@SeattleStructural.com

Structural Engineer – Senior Project Manager Kirkland, WA

Structural Project Managers at Dibble Engineers, Inc. (DEI) are provided opportunities to enhance their management and leadership skills by training and mentoring junior staff. PMs are challenged to strive for their SE licensure, Team Lead and Associate-level positions, and are encouraged to assist in business development, client retention, and company growth initiatives.

Description and Details:

If you are a creative, proactive, and detail-oriented leader with the desire to manage your own projects from beginning to end, further advance client retention and referral strategies, and help grow our business, you could be a great fit for our learning culture. Our team works collaboratively to enhance the structural design and construction process; however, if you also enjoy mentoring and educating junior staff to build confidence in independent research of complicated engineering issues, we will provide you the chance to grow your leadership and people management skills. If you enjoy a good laugh and a fun working environment yet possess excellent technical skills and uncompromising work ethic and quality standards, we will highly value your contributions to our growing team.

Interested in joining us? Send your resume with cover letter to info@dibbleengineers.com

Apply Now!

Senior Structural Plan Engineer
Company: City of Seattle Department of Construction and Inspections (SDCI)
Location: Seattle, WA



City of Seattle

The Seattle Department of Construction and Inspections (SDCI) Engineering Services Division is hiring a Senior Structural Plans Engineer (Sr. SPE) to serve as part of our dynamic Unreinforced Masonry (URM) Program Subject Matter Expert (SME) team. This URM-focused Sr. SPE will serve as the primary technical resource, working with the URM Program Manager, for the development and implementation of a mandatory URM retrofit program. This program is currently in development and the successful candidate will play a primary role in the shaping of permit, plan review, and compliance processes. The anticipated impact of this program will be a milestone in Seattle's pathway to earthquake resilience, culminating in a mandatory URM retrofit program, the first of such program outside of California.

This Sr. SPE position is part of SDCI's Ordinance and Structural (O/S) review team. The successful candidate will also be participating and fulfilling the job responsibilities of a Senior Structural Plans Engineer including plan review and other related tasks. Please visit <http://www.seattle.gov/jobs> for more information and to apply. The position will remain open until filled.

Apply Now!

Applying or Renewing your Membership in SEAW

SEAW is organized into the membership categories and their corresponding dues structures listed below. Select the membership category that best fits your status.

Your contact information is shared with our foundation, SEFW.
In order to "opt-out" please [contact](#) the association office. [Click here](#) for our privacy policy.

[Join or Renew Today](#)

Please consider making a line-item donation to [SEFW](#) as part of your dues renewal. Special designation can be placed on the donation, so it can be applied to scholarships, disaster preparedness or research opportunities. SEFW fulfills its mission with the assistance of donations from individuals and corporations.

More information on SEFW and its mission to promote structural engineering can be found at www.sefw.org. Thank you for your support!

Structural Engineers Association of Washington

info@seaw.org | 206.338.7376 | www.seaw.org

SEAW | 5727 Baker Way NW Suite 200 | Gig Harbor, WA 98332 US

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