



CONNECTIONS

January 2018 Volume 18 Issue 2

Newsletter of the
Structural Engineers
Association of Oregon

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Upcoming SEAO Meetings and Events:

Wednesday, January 31, 2018: SEAO Lunch Meeting

Topic: SEAO Excellence in Structural Engineering, Jurors' Favorite Award—Portland Japanese Garden/Cultural Crossing
Speaker: Katie Ritenour, PE, KPFF Consulting Engineers
Location: Portland City Grill, 111 SW 5th Avenue, 30th Floor, Portland, OR
Time: 11:30am Check-in & Lunch; 12 pm Program
PDH Credit: 1 hour

Friday, February 2, 2018: AWS Structural Steel Welding Seminar

Location: Embassy Suites, 9000 SW Washington Square Rd., Portland, OR
Time: 8:30am to 4:30pm
See page 10 for additional information

Thursday, February 15, 2018: YMF Happy Hour

Location: Lucky Labrador Brewing Company, 915 SE Hawthorne Blvd. Portland, OR 97214
Time: 5:30pm
See page 7 for additional YMF information.

Friday, February 23, 2018: 54th Annual Engineers Week Banquet - Host a High School Student

Topic: Linux-based operating system stacks, software for enabling Intel CPUs and chipsets, virtualization, and data center cloud software.
Speaker: Mauri Whalen, from Intel Corporation, Vice President in the Software Services Group and Director of Core System Software in the Open Source Technology Center.
Time: 6:15 pm to 8:30 pm
Location: Lloyd Center DoubleTree Hotel, 1000 NE Multnomah Street, Portland OR
Visit website to become a sponsor <http://www.oregonengineersweek.org/>, or see flyer on Page 12

Wednesday, February 28, 2018: Annual SEAO SF Tradeshow

Look for more information in upcoming newsletters.

SEAO has a twitter account and can be followed at @SEAOregon.



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: NCSEA MEMBER BENEFITS— MORE THAN A MAGAZINE

SEAO Members,

Over the last few months, serving as your president of SEAO, I have realized that a large portion of our membership does not know or understand the relationship between SEAO and National Council of Structural Engineers Associations. NCSEA was established in the early 1990s to help bring together all the individual SEAs (such as SEAO) in an effort to advocate and support the structural engineering profession on a national scale. There are now over [44 SEAs](#) representing most states throughout the country. Each year a portion of your SEAO dues are paid to NCSEA to give you access to additional benefits and services. You might ask, "What do I get for my money, and is it worth it? It can't just be that stack of STRUCTURE magazines in my mailbox?!"

The actual benefits of NCSEA are numerous. Currently NCSEA staff consists of 7 individuals who work to support the various member organizations. The benefits are wide ranging, and some are targeted at smaller SEAs such as helping to set up a membership meeting with an online payment system. These are immensely helpful to a membership organization that may have only 50 members, unlike SEAO with over 500. That being said, I wanted to highlight some of the great things that NCSEA provides that are beneficial to our SEA.

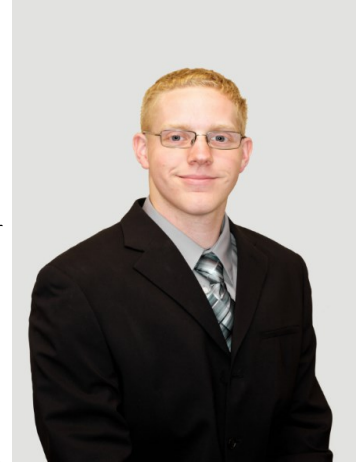
One of the board's most challenging tasks each month is to put together quality presentations for our monthly meetings. Over the last few years the NCSEA staff has been developing a well vetted list of presentations and presenters to use for membership meetings. This has been a very valuable resource locally – two of our meetings in 2017, April (Resilience) and October (AISC 341) came from the list provided by NCSEA. In addition, the NCSEA staff has provided contacts to get sponsors and exhibitors for our annual trade show and the annual NW Conference (which SEAO hosts every 7 years). This is a huge benefit as rounding up sponsors for these events is critical to their success, and very time consuming for our volunteers.

An additional benefit that NCSEA has offered the last few years is their [grant program](#) for special events or projects. These grant funds have been used for a number of efforts to benefit the local SEAs, such as states commissioning a special wind or snow study that can be used by their practicing engineers. It is a very helpful tool to SEAs as projects such as these are typically very expensive. NCSEA also supports a number of [national committees](#) that advocate for structural engineers on a national level and can be great assets to our organization's committees. These committees – with their national perspectives – provide several resources to our membership that you might not be aware of, including the development of publications for design guidance. These resources are available to each SEAO member through the member portal on the NCSEA webpage. Examples of the available resources include publications for design guidance, white papers on how best to interface with media outlets, tools for running a state SEA, presentations on Structural Engineering that can be used for outreach, and summaries of code committee activities and recommendations. The national code advisory committee (CAC) is our advocates for code change proposals during code cycles which impacts the practicing engineer each day. And until recently I didn't even know that SEAO members (though NCSEA) get discounts on ICC publications which can easily offset the costs of your SEAO dues.

NCSEA has a fantastic [webinar program](#) for continuing education -- now with a new online interface and an enhanced subscription program! Typically, they put on two 90-minute webinars each month on topics that are relevant to the practicing structural engineer. These presentations and presenters are extremely well vetted over a wide range of topics. The last item I would like to highlight is the [Annual Summit](#) that is hosted each year by NCSEA - this conference features two days of excellent presentations. Over the last several years I have had the privilege of attending the Summit as SEAO's delegate and have seen firsthand what the conference has to offer. This year the conference will be in Chicago (October 24-27) and is sure to be a great event. See you there!

I hope you agree – there is a lot of benefit for the \$20 a year that goes to NCSEA! If you do not know how to access the member portal on the NCSEA website please contact Dana Long at the NCSEA office (dlong@ncsea.com). If you have any questions about what NCSEA is doing or what you would like to see from them please let me know and I will answer your questions or find someone who can.

-Seth



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JANUARY MEETING ANNOUNCEMENT

WEDNESDAY, JANUARY 31ST, 2018

SEAO Excellence in Structural Engineering, Jurors' Favorite Award—
Portland Japanese Garden/Cultural Crossing



Photo courtesy of Hacker Architects, image by Jeremy Bitterman

Topic:

The Portland Japanese Garden (PJG) Cultural Crossing Expansion project blends traditional Japanese design with modern Pacific Northwest character. The project grew the PJG campus by creating a Cultural Village outside the traditional garden gate. The expansion included the design of four buildings, a site bridge, and myriad retaining walls. World-renowned Japanese Architect Kengo Kuma created and oversaw the design with the local architect, Hacker, working tirelessly to execute the concepts. The uniquely integrated landscape design was crafted by a partnership between Walker | Macy and the PJG Curator, Sadafumi Uchiyama.

The buildings are modestly sized to maintain a proper sense of scale with their landscape. They feature sloped, hipped roofs, and cantilevered low roof overhangs that emulate traditional Japanese carpentry forms while mimicking the site's surrounding slopes. Structure in the spaces is minimized which results in wide-open interiors and views of the exterior gardens. The space for the new Cultural Village was created by excavating a large swath of hillside on each side of the original access road leading. Permanent tieback soldier pile shoring walls with shotcrete facing support the steeply sloped hillside terrain above the Garden and Village Houses. Standing in front of the tallest shoring walls looms one of the most impressive elements of the project, the dry-stacked stone "Castle Wall," built by Awata-San – a 16th-Generation Japanese Master Stonemason.

Every design element from the acute roof edges to the carefully detailed wooden screens demonstrates the design team's tireless attention to detail. The result is a project we can all take pride in a Portland destination where the modern ideals of the Pacific Northwest meet the millennia-old traditions of Japan. It's a place where quiet beauty rises above a chaotic world held aloft by structural engineering.

(Continued on page 4)

JANUARY MEETING ANNOUNCEMENT (CONT.)

WEDNESDAY, JANUARY 31ST, 2018

Speaker Bio:

Katie Ritenour is a Professional Engineer and has been working in the field of structural engineering since 2007. She studied civil engineering at Oregon State University and received her masters from Stanford University. She spent six years working for Leslie E. Robertson Associates in New York where she focused on mixed-use towers, universities, and cultural facilities. Katie returned to the west coast and joined KPFF in 2013. There she has continued working on institutional projects including the Concourse E Extension at PDX and the LDS Missionary Training Center Expansion in Utah.



Details:

Location: Portland City Grill, 111 SW 5th Avenue, 30th Floor, Portland, OR

Time: 11:30 am — Check in and lunch

12:00 pm — Presentation

Cost: \$32 — Prepaid Members

\$20 — Prepaid YMF Members

\$42 — Prepaid Non-Members

Free — Students

Reservations: Pre-registration is required for all. **You can register and pay online at www.seao.org before noon, Friday, April 21.** 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.

PDH Credit: One PDH has been recommended for this program.

SEER COMMITTEE UPDATE

BY: DAVID TARRIES

SEER Committee Update, January 2018:

The SEER Committee met November 11, 2017 and discussed goals for the next year. It is the hope of the committee that a method of utilizing licensed professionals with emergency response certification through FEMA and the State of Oregon can be found to provide structural evaluations/emergency response in the event of a major catastrophe similar to the system currently in use in the State of California. There is resistance at the state level to deputizing non-government employees during an emergency as they feel the local jurisdictions have enough resources when they work together. This has not proved to be effective in California and is not likely to provide residents and business owners with a timely response for building evaluations for re-occupation.

Additionally, the committee is working with the Seismic Committee to promote a special system for significant building owners with a high priority to resume operations following a major event. This system is tentatively being called the Building Occupancy Resumption Program (BORP), and could include hospitals and major employers among others. The program would require applicants file with the local jurisdiction and include an emergency plan with an approved review team and building drawings. The state is currently not in favor of this system because it also allows for dupitization to post occupancy placards by non-government evaluators.

The committee goal is to work with government emergency management groups such as the Oregon Office of Emergency Management (OEM), the Portland Bureau of Emergency Management (PBEM), Oregon Seismic Safety Policy Advisory Commission (OSSPAC) and the Regional Disaster Preparedness Organization (RDPO) to determine the best path forward to get the appropriate changes made at the state level. Work will be done towards these ends while coordinating with fellow engineers at ASCE and architects at AIA.

The short-term goals of the committee include updating the website and increasing awareness of the committee, its purpose, and activities. The next committee meeting has not been scheduled but will occur in early February.

MEMBER OF THE MONTH

By: JoMarie Farrell, PE, SEAO Board Director

The SEAO Board has named David Tarries, PE, SE, member of the month for January 2018.

David has been very active in SEAO in the last decade. Up until a few years ago, David wrote the program summaries which went into the SEAO newsletter so that all members could learn from our program if they could not attend. Recently he has taken on an even larger task--he has recently assumed the Chair position of the SEER Committee for SEAO.



David Tarries holds Master and Bachelor of Science degrees in Civil Engineering from Iowa State University and worked at KPFF Consulting Engineers from 2002 to 2016. From 2016 to the present, he has worked for the City of Portland, Bureau of Development Services as a structural plans reviewer.

David is married to Elizabeth, and they have a 14-month-old daughter, Marlena.

He is a world traveler. While in Haiti, he volunteered his professional services to provide building assessments after the 2010 earthquake. David is an avid cyclist, skier, and scuba diver. He enjoys spending time with his family and patching drywall holes in the new house he purchased with this family last summer.

Amit Kumar, a Senior Structural Engineer at the City of Portland and co-worker says, "David is dedicated to his profession. Given his work ethic and commitment to the profession, it did not take much to encourage David to take over the reins of the SEER Committee. He has already got great ideas. Given his zeal and enthusiasm, I am sure the SEER Committee is in good hands and will produce some good work. I am proud to have David as a colleague. Congratulations."

On behalf of the SEAO Board, we want to extend our thanks to David for all his efforts that benefit the SEAO membership and structural engineering profession. He is a tremendous model of that volunteer spirit that makes SEAO so relevant in our community.

VENDOR ADVERTISING

SEAO is now accepting vendor advertising!

Cost of a full page ad running for one month:

\$250 - Members

\$350 - Non Members

For more information, contact Jane Ellsworth at jane@seao.org.

SEAO NEWS

PROFESSIONAL DEVELOPMENT HOURS— FAST FACTS FROM OSBEELS

In Oregon, a minimum of 30 hours of Professional Development Hours (continuing education credits) are required biennially. OSBEELS, the State's licensing board, does not require pre-approval for providers or specific courses; however, each engineer must determine whether an activity meets the Board's requirements. Courses should be technical in nature and must pertain to the engineer's license. The course or activity should have a clear purpose/objective which improves or expands the skills and knowledge relevant to the engineer's field of practice.

- There is no limit to the number of PDHs that can be earned through on-line continuing education.
- A maximum of 15 PDH hours may be carried forward into the next renewal period.
- PDH records must be maintained for a minimum of 5 years.
- **Units: 1 contact hour of instruction or presentation/presentation preparation = 1 PDH unit.**
- Supporting documentation may include but is not limited to:
 - Completion certificate(s)
 - Paid receipts
 - Attendance log
 - Other documents supporting evidence of attendance, such as programs and course catalogs

Examples of PDH Sources:

- Successful completion of college courses: 1 college semester hour = 45 PDH; 1 college quarter hour = 30 PDH.
- Successful completion of short courses, tutorials, web-based courses, televised and videotaped courses (such as attending an SEAO monthly chapter meeting program or seminar).
- Active participation in seminars, in-house courses, workshops, and professional conventions.
- Teaching or instructing a course, seminar, or workshop one time only (this does not apply to full-time faculty teaching courses).
- Authoring or co-authoring published papers, articles, or books. A maximum of 10 PDH units per biennial renewal period.
- Active participation in professional or technical society, committee, or board. A maximum of 8 PDH units per biennial renewal period.
- Self-study. A maximum of 6 PDH units per biennial renewal period.
- Mentoring of engineering topics to a non-registered individual(s) not under your supervision. Each 10 hours spent = 1 PDH unit. A maximum of 4 PDH units per biennial renewal period.
- Scoring an engineering examination for licensure or certification. A maximum of 15 PDH units per biennial renewal period.

Non-qualified activities include:

- Regular employment
- Financial planning
- Personal self-improvement
- Service club meetings or activities (example, Elks Club, Boy Scouts)
- Equipment demonstrations or trade show displays
- Repetitive attendance in the same course
- Repetitive teaching of the same course
- Taking professional examinations

In Oregon, each biennial renewal period, a registrant is required to submit a Continuing Professional Development Form to the State for their review. OSBEELS will then review the form and may require supporting documentation be provided to them when a registrant is selected for audit. OSBEELS has the final authority with respect to approval of courses, credit, PDH units for courses and other methods of earning credit.

If a registrant exceeds the requirement for 30 PDH units in any registration period, a maximum of 15 PDH units in courses/activities may be carried forward to the next registration period.

If you have any questions concerning what is a qualifying PDH, please contact the OSBEELS Accounts Department, 503-362-2666 or via email at osbeels@osbeels.org.

2018 SEAO AWARDS

2018 SEAO AWARDS

SEAO is pleased to announce the fourth annual Structural Engineer Awards Presentation to acknowledge outstanding projects and structural engineering advancement. This year we are opening the access to prepare the submissions earlier so that more time is provided to the membership to gather their submission materials.

Projects will be judged by a panel of invited judges from multiple fields related to design and construction and will be based on innovative design, engineering achievement, and creativity. Awards will be presented at the September Chapter Dinner meeting on September 26, 2018.

Submission Categories:

- New Buildings Under \$10 million
- New Buildings Over \$10 million
- Renovation/Retrofit
- Special Use Structures

Please see pages 14 and 15 for eligibility requirements and submission form. All submissions must be post-marked or emailed by June 30, 2018.

The DJC will be featuring the 2017 SEAO Award winners in one of their newspapers this month. Please keep an eye out for the publication!



PASSING OF AN SEAO MEMBER

Dear Friend of Gary,

If you are receiving this it is because you have been touched in some way by Gary Peterson. Gary passed away on January 13th in Portland Oregon, surrounded by his family.

To some of you this may be shocking news. Some of you know it already. We are sending this email out to let you know we would love for you to join us for his Celebration of Life. If you feel moved to bring an instrument to play, please do! We are expecting music and song, beer and celebration in the style we know Gary would have loved.

It will be held at [The Lucky Labrador Quimby Beer Hall, 1945 NW Quimby St.](#)

February 11th, 4:30-7:30pm, toasts at 5:30.

I have created a link to Gary's online obituary below. There will also be an obituary in this week's Sunday Oregonian. It describes a wonderful man who lived a full and happy life.

We, his family, hope this finds you well and happy.

Please RSVP for the Celebration [here](#).

To read Gary's online obituary, click [here](#).



YOUNG MEMBER FORUM ACTIVITIES

Upcoming YMF Events:

Thursday February 15th – Happy Hour

Location: Lucky Labrador Brewing Company,
915 SE Hawthorne Blvd. Portland, OR 97214

Time: 5:30pm

Appetizers will be provided, drinks are not. No need to RSVP, grab a friend and come meet other younger members!

Beginning in February, happy hours will be on the 3rd Thursday of the month.

seao.org/committees/advocacy/ymf

EMPLOYMENT OPPORTUNITIES

Jacobs (Formerly CH2M.)

Structural Engineer

The electronics division at CH2M continues to win significant work, and we are seeking to add to our core staff with highly-qualified Structural Engineers and Designers of all levels. Our team is recognized globally as one of the top AE design firms for semiconductor manufacturing, data centers, and other advanced technology industrial projects. We are at the leading edge of Lean Design and Integrated Project Delivery, and our projects are highly collaborative with the client, general contractor, and trade partners.

If you are up to the challenge and interested in growing your career, come be a part of our vibrant, dynamic team. Visit www.ch2m.com/careers, or contact Steve.Trautwein@ch2m.com.

SEFT Consulting Group

Structural Engineer Beaverton, OR

SEFT Consulting Group is a growing consulting firm located in Beaverton, Oregon. SEFT offers our clients structural seismic solutions for critical buildings and lifeline infrastructure systems through expert services in seismic evaluation, performance-based design, resilience planning, and practical implementation of analytical and experimental research.

SEFT is looking for an energetic entry to mid-level team member that has earned a Master's Degree or PhD in Structural Engineering and is committed to life-long learning. This position requires an individual that is passionate about structural engineering and is self-driven with the ability to work independently. Applicants must have excellent communication and interpersonal skills. SEFT offers flexible work hours, competitive salary and benefits, and opportunities for profit sharing.

If you are interested in joining us, please send your resume and cover letter to info@seftconsulting.com

Lund Opsahl

Structural Engineer Seattle, WA

Lund Opsahl is a growing structural engineering firm located in the SODO neighborhood of Seattle and we are looking to expand our team of exceptional individuals. Lund Opsahl is known for its technical leadership and creative environment. We are a woman owned business and work on a wide range of project types. We value the professional relationships within our firm and we believe those values are fundamental to the development of professional relationships outside of our firm. Collaboration within our office as well as with our clients requires commitment and responsibility. Currently we are looking Structural Engineers of all skill levels. Please visit our website, www.lundopsahl.com for additional information and job descriptions for each of these positions. You can also send inquires and/or resumes to careers@lundopsahl.com.

Morrison Maierle

Structural Engineer Missoula, MO

Morrison Maierle has an exciting opportunities in our Missoula, Montana office for a Mid-Level Structural Engineer. Morrison-Maierle is an employee-owned firm that has offered a broad range of engineering and scientific services for over 70 years. Morrison-Maierle serves the Western United States from offices in Casper, Cody, Gillette, and Sheridan, Wyoming, as well as Billings, Bozeman, Great Falls, Helena, Kalispell, and Missoula, Montana, Spokane, Washington, and Phoenix, Arizona.

Responsibilities: Perform technical structural analysis and calculations, prepare construction documents, collaborate and coordinate with clients and project design team members, perform construction administration.

Qualifications: Bachelor's degree in civil engineering with emphasis in structural engineering. Master's degree in civil/structural engineering highly preferred. 3 years', minimum, progressive structural engineering experience emphasizing in building design. Experience with Revit/BIM and structural analysis software preferred. Engineer-in-Training certification required, Professional Engineer certification preferred.

For complete details, please visit our website at www.m-m.net.

EMPLOYMENT OPPORTUNITIES (CONT.)

KPFF

**Structural Engineer
Portland, OR**

KPFF Portland Structural is looking for Experienced Structural Engineers who are motivated and interested in an opportunity for growth. KPFF is about freedom to work on what inspires you. Our engineers work on a vast spectrum of projects located around the globe: from anchorage of mechanical systems to complex, non-linear analysis of high-rise structures. We're a group of dedicated, friendly, hard-working professionals with the benefits of a large and stable firm but none of the red tape that comes with it. At KPFF you will work individually and collaboratively in the design and construction process for a wide array of challenging projects. You will work closely with talented engineers, BIM / CAD technicians, architects, project managers, contractors and client teams. Providing first-class service to our clients is what we're about.

If this sounds like an environment you could thrive in, visit www.kpff.com/careers.

ASK A QUESTION, GET AN ANSWER

Do you have a code question you would like to ask the Wind Committee or Snow Committee? SEAO is pleased to announce a simple way for Q&A's with technical committees.

Email questions to jane@seao.org, and SEAO will direct your question to the appropriate committee chair for a response. Questions and their answers will be made anonymous and available to the membership on the website www.seao.org.

Committees include: Seismic, Wind, Snow, Code, Vintage Building, and Special Inspections.

NCSEA MEMBERSHIP UPDATES

Please note that Jane is now able to update your status on the NCSEA database! If you update your address please send an email to jane@seao.org so you can get your Structures Magazine!

AWS Structural Welding Code – Structural Steel Welding Seminar

Presented by the Structural Engineers Association of Oregon (SEAO)

Date: **Friday, February 2, 2018 – 8:30 AM to 4:30 PM**
Registration Opens at 7:30 AM (Lunch Included)

Cost: \$220 SEAO, Member (Includes Class Notes) \$270 Non-member
\$25 Late Fee (if registration received after January 26, 2018)
Students \$75 (Includes Notes) – Must show current student ID
No refunds after 12:00 noon Tuesday, January 26, 2018

Register early; Maximum 100 people

**Program to be Taped
by Limelight Video**

Location: **Embassy Suites** 9000 SW Washington Square Rd
Hotel and Conference Center Portland, Oregon
(503) 644-4000

Continuing Education: **SEAO has recommended this seminar for 6 PDHs (4 PDHs for Viewing Video)**

Speakers: **Duane K. Miller, Sc.D., P.E., Manager, Engineering Services, The Lincoln Electric Company,**

Duane K. Miller Sc.D., P.E., is a recognized authority on the design of welded connections. Dr. Miller was selected to chair the American Welding Society's (AWS) Presidential Task Group on Northridge Earthquake issues. He also served on the Project Oversight Committee of SAC, a consortium sponsored by FEMA to provide understanding of connection behavior in the wake of Northridge.

Summary:

1. Welding Basics: Welding processes, joints, weld types.
2. Principles of Welded Connection Design: Ten principles for good welded connections, and two case studies involving violations of these principles.
3. Welded Connections for Seismic Service: A review of welding-related provisions for seismically-resistant welded connections, primarily based on D1.8 requirements.
4. Listen to the Steel (Learning from Failures): A review of welded connection failures, what went wrong, and how the situation was corrected.

Questions: Andy Stember (503) 657-9800

AWS Structural Welding Code – Structural Steel Welding Seminar

Registration Form

Register Online at www.seao.org or

Send to: SEAO

PO Box 2958
Vancouver, WA 98668
(503) 753-3075

Make Checks Payable to:
SEAO

Firm Name: _____

Firm Address: _____

Phone _____

Name of Attendee(s) _____

of Attendee(s) _____ @ \$220.00 / each = \$ _____
(Nonmember \$270.00)

of Late Fees _____ @ \$25.00 / each = \$ _____

of Students _____ @ \$75.00 / each = \$ _____

of Videos _____ @ \$175.00 / each = \$ _____

_____ @ \$ / each = \$ _____

Total Enclosed = \$ _____

Visa Or Mastercard (circle one)

Name (as appears on card) _____

Credit Card # _____

Exp _____ 3 digit code _____ Billing Zip Code _____

Cardholder Signature _____



*Celebrating over 50
years of growing
new engineers in
Oregon &
Washington*

54th Annual E-Week High School Program

You are an essential part of the 54th Annual Engineers Week High School Program.

Date: Friday, February 23, 2018

Location: Lloyd Center DoubleTree by Hilton Hotel - 1000 NE Multnomah St.

To participate at E-week, do one of the following:

- 1) Go to <http://www.oregonengineersweek.org/sponsorship/> for online registration.
- 2) Send in the following form and a sponsor check (see details on next page).

We will contact you with additional day of the event information.

Engineers Week Sponsorship Levels

| | | Sponsor Included on E-week Web and Facebook Pages | Title Sponsor on all Event Publications* | Official Sponsor of College Seminars | Number of Sponsored Students | # Banquet Dinner Tickets for Your Organization |
|-------------------|---------|--|--|---|------------------------------------|--|
| <i>Platinum</i> | \$2,000 | ✓ | ✓ | ✓ | 20 | 15 |
| <i>Gold</i> | \$1,000 | ✓ | ✓ | . | 10 | 10 |
| <i>Silver</i> | \$500 | ✓ | . | . | 5 | 5 |
| <i>Individual</i> | \$75 | . | . | . | 1 | 1 |

*Title sponsors will be included on all event publications if program support is committed by December 31, 2018.

E-week Sponsor Registration

Organization Name: _____

Is this a public agency or non-profit? If so, do you want to participate in the Exhibit Hall?

Yes please – contact me with more information

Contact Name: _____

Email Address: _____

Phone Number: _____

Sponsor level - check one:

Platinum \$2,000

Gold \$1,000

Silver \$500

Individual \$75 x ___ # of attendees

I cannot attend, but I would like to sponsor a student - \$40

Send this form and a sponsor check payable to "ASCE Oregon Engineers Week" to:

Tova Peltz
c/o Oregon Department of Transportation
123 NW Flanders Street
Portland OR 97209.

We will confirm receipt of your registration and send more day of event details.

Please email tova.r.peltz@odot.state.or.us with any questions.

The Engineers Week High School Program is a tax-deductible program affiliated with the American Society of Civil Engineers, a 501c3 non-profit organization.



STRUCTURAL ENGINEERS ASSOCIATION OF OREGON

9220 SW Barbur Blvd, #119, PMB #336, Portland, OR 97219

503.753.3075

www.seao.org E-mail: jane@seao.org

2018 Excellence in Structural Engineering Awards

The Structural Engineers Association of Oregon (SEAO) Excellence in Structural Engineering Awards was created to acknowledge outstanding projects and structural engineering advancement by members. The fourth annual SEAO Awards will be recognized as a part of the September 26, 2018 dinner meeting and awards ceremony.

Eligibility Requirements:

1. Project must have completed construction during the calendar year of 2017 or 2018.
2. At least one member of the design team, research team, or a principal of the firm responsible for entry must be a member of SEAO.
3. Entries may be of any size, type, and location in the world.
4. Projects may be submitted into one category only.
5. Each company may submit up to two projects per category (8 projects total).

SEAO Judging Criteria:

Projects will be judged by a panel of invited judges from multiple fields related to design and construction based on the following criteria:

1. Creativity of structural design
2. Complexity of design criteria
3. Ingenuity of design for efficient use of materials and construction
4. Fulfillment of client's / owner's needs or expectations
5. Suitability of the structure for its environment

Entry Instructions:

All entries must include the following:

1. Completed entry form on following page, including signature. Please enter all information as they would appear on an award.
2. Project Summary:
 - a. A written summary of the project emphasizing any outstanding accomplishments achieved and hurdles overcome during the course of the project's duration.
 - b. Two pages of text maximum, (10.5 point font minimum, 1.5 line spacing), plus one optional additional page for photos and figures at the end of the summary. Architectural renderings will not be considered and should not be included with the summary. Figures showing structural analysis or structural drafting models and details (Revit, AutoCAD, etc.) are allowed.
 - c. Summary must not include names of participating firms or project team members to allow for impartial judging. Any included names will be removed prior to judging.
 - d. Do not include any confidential or sensitive information.
3. Provide up to 15 photos (per project entry). If entry is mailed, provide a separate CD/Flash drive with all photos and figures. If entry is emailed, provide a separate Zip file attachment of .jpg images. Renderings will not be considered.
4. \$125 Entry Fee (per entry). Please make checks payable to SEAO and mail check as noted at bottom of entry form.
5. Multiple entries may be mailed together (and paid by single check). Refer to entry form for mailing address. If entries are emailed, send each entry in a separate email to the email address provided at the bottom of the entry form.
6. All entries shall become the sole property of SEAO. SEAO reserves the right to use or publish some or all entry material in publications. By entering, the Entrant grants a royalty-free license to SEAO to use any copyrighted material submitted. Such right includes publication of photographs and names of award recipients without compensation to Entrants.
7. **Submissions must be post-marked or emailed by June 30, 2018.**



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2018 Excellence in Structural Engineering Award Entry Form

Project Information:

Project Name:

This project is to be judged under the following category (select **one**):

New Buildings Under \$10M

Renovation / Retrofit

New Buildings Over \$10M

Special Use Structures

**Note: The SEAO Awards Committee reserves the right to transfer projects into a different category as it sees fit*

Project Location: City:

State:

Total Construction Budget:

Completion Date:

Entering Firm: (contact must be a current member of SEAO)

Please complete all sections of the form below. This information may be used for publicity purposes.

Firm Name:

Address:

City:

State:

Zip:

SEAO Contact Name:

Contact Email:

Phone:

By signing below, I accept responsibility for any issues regarding project confidentiality agreements.

→ **Signature:**

Involved Entities:

Owner/Developer:

General Contractor:

Architectural Firm:

Geotechnical Firm:

Civil Firm:

MEP Firm:

Other:

Role:

Submission Checklist:

Entry Form

Project Summary (see entry instructions)

CD/flash drive for mailed entries or separate email
attachment w/up to 15 photos/images

Check for \$125 per entry made payable to SEAO

Mail all materials to:

SEAO Awards

Structural Engineers Association of Oregon

9220 SW Barbur Blvd, #119, PMB #336

Portland, OR 97219

Or Email all materials (10 MB maximum
per email) to:

seao.excellence.awards@gmail.com

Submissions Must Be Post-Marked or Emailed By June 30, 2018



Structural Engineers
Association of Washington

Dates: Tuesdays &
Thursdays
February 6 - March
27, 2018

Time: 6:30 -
8:30pm

Location:
University of
Washington
Campus
Mechanical
Engineering
Building
Room 248

Registration

Fees:

Full Course

Members - \$350
Non-Members -
\$425

Half Course

Members - \$225
Non-Members -
\$275

Notes Only

Members - \$150
Non-Members -
\$200

[Register Now!](#)

STUDY FOR THE SE EXAM ON YOUR OWN



STUDY WITH THE SEAW REFRESHER



Refresher Course

SEAW Seattle Chapter, in cooperation with the UW Department of Civil Engineering, will hold its annual Refresher Course on Tuesday and Thursday evenings from February 6th through March 27th.

The course instruction and PDF notes are designed to assist engineers preparing for the NCEES Structural Exam and for practicing engineers who want to review principles of structural engineering. The fifteen two-hour lectures featured in the course include the following: Structural Analysis, Wind Design, Foundations & Earth Retaining Structures, Seismic Design I & II, Structural Steel Design I & II, Concrete Design I & II, Pre-stressed/Post-tensioned Concrete Design, Bridge Design I & II, Wood Design, Masonry Design, and Cold-Formed Steel Design.

A half refresher course of eight sessions is also available at a reduced rate.

For those who live outside the Greater Seattle area, course presentations are offered online through GoToMeeting.

We would like to welcome Oregon SEAO members this year. SEAO members may register at member pricing.

For those unable to attend the course in person, complete course notes of the most recent course are available via a download link for easy access at a price of \$150 for SEAW members, and \$200 for all others.

Register Now!

Course Schedule

| | |
|---------------------------------------|---|
| Tuesday February 6 | Introduction & Analysis Bruce Erickson, P.E., S.E. KPFF Consulting Engineers |
| Thursday February 8 | Wind Design Don Scott, S.E., F.SEI PCS Structural Solutions |
| Tuesday February 13 | Seismic Design I Mike Visser, P.E., S.E. Visser Engineering |
| Thursday February 15 | Seismic Design II Mike Visser, P.E., S.E. Visser Engineering |
| Tuesday February 20 | Bridge Design I Greg Hess, P.E., S.E. KPFF Consulting Engineers |
| Thursday February 22 | Bridge Design II Greg Hess, P.E., S.E. KPFF Consulting Engineers |
| Tuesday February 27 | Structural Steel Design I Mathew Wies, P.E., S.E. DCI Engineers |
| Thursday March 1 | Structural Steel Design II Mathew Wies, P.E., S.E. DCI Engineers |
| Tuesday March 6 | Concrete Design I Mark Whiteley, P.E., S.E. CKC Structural Engineers |
| Thursday March 8 | Concrete Design II Mark Whiteley, P.E., S.E. CKC Structural Engineers |
| Tuesday March 13 Rm MEB 246 | Pre-stressed Concrete Design Ron Mirahsani, P.E., S.E. CKC Structural Engineers |
| Thursday March 15 | Wood Design Dick Hemmen, P.E., S.E. DCI Engineers |
| Tuesday March 20 | Masonry Design John Hochwalt, P.E., S.E. KPFF Consulting Engineers |
| Thursday March 22 | Foundations & Earth Retaining Structures Andrew McGlenn P.E., S.E. Jacobs Associates |
| Tuesday March 27 | Cold-Formed Steel Design Danielle Jacobs, P.E., S.E. DCI Engineers |

Structural Engineers Association of Washington
info@seaw.org | 206-209-5283 | www.seaw.org