



CONNECTIONS

December 2015 Volume 16 Issue 2

Newsletter of the
Structural Engineers
Association of Oregon

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Upcoming SEAO Meetings and Events:

Wednesday, January 20, 2016: SEAO Dinner Meeting and Committee Info Session

Topic: Hyatt Regency Hotel Walkway Collapse

Speaker: Glenn Bell, Chief Executive Officer / Senior Principal, Simpson, Gumpertz & Heger Engineers (SGH), Boston, Massachusetts

Location: Sentinel Hotel, The Billiard Room, 614 Southwest 11th Avenue, Portland, OR

Time: 4:45 pm Committee Info Session, 5:30 pm Check-In & Social, 6:15 pm Dinner, 6:30 Program

PDH Credit: 1 Hour

Meeting Sponsor: Contech Services, Inc.



Glenn joined SGH in 1975 as a graduate engineer and has continuously advanced in his career to become CEO in 1995. Before he attained his current position he was responsible for major works in all areas of his firm's practice: structural engineering, building technology, and engineering mechanics and infrastructure. Under Glenn's leadership as CEO SGH has grown substantially both in size and service offerings.

Thursday, January 21, 2016: YMF Happy Hour

Location: To Be Determined

Time: 5:30 pm to 7:30 pm

See Page 5 for additional YMF information.

Wednesday, February 24, 2016: SEAOSF Trade Show

Location: Monarch Hotel & Conference Center, 12566 SE 93rd Avenue, Clackamas, OR

Look for additional information in upcoming newsletters.

Thursday, February 25, 2016: 52nd Annual Engineers Week High School Banquet

Location: Lloyd Center DoubleTree by Hilton Hotel

Time: 6:00 pm to 8:30 pm

Visit the website to become a sponsor: <http://www.oregonengineersweek.org/sponsorship/sponsor>, and see Page 13 for additional information.

SEAO has a twitter
account and can be
followed at
[@SEAOregon](https://twitter.com/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.

Send membership inquiries to:
9220 SW Barbur Blvd.
No. 119
PMB #336
Portland, OR 97219

PRESIDENT'S MESSAGE: PAST AND FUTURE GREETINGS

BY: GARY J. LEWIS, S.E.



Thanksgiving is a fresh memory and Christmas is an upcoming celebration, and then we dive into a new year that will hopefully continue the resurgence of the

construction and engineering industry. It has been a new experience for most of us to deal with the dearth of work in recent years, and in keeping with the recent holiday, I am thankful to be busy again.

In the last newsletter, I mentioned the Strategic Planning meeting we had at Fish Camp in early October. This was a very valuable opportunity to brainstorm with Board members, Committee Chairs, and some young members regarding the role of SEAO and what we wanted to establish as priorities this year. At that meeting, we discussed a topic that has been on my mind for a number of years -- the history of our profession in the local area and the history of the Structural Engineers Association of Oregon. One goal we have for this year is to establish a new SEAO History Committee, which will begin to compile information on those two facets of our local history. I've always been fascinated by the "family tree" of structural engineering firms in the State of Oregon and in SW Washington. From the early partnerships that spun off firms, that spun off other firms, to recent new ventures created by employees of older firms and by engineers moving into the area, there are connections within connections that would be very interesting to learn about and document.

My challenge to you is to think about joining this committee effort, especially if you have personal knowledge of longtime local engineering firms and of SEAO. We already have at least one commitment from a prominent engineer who I know will have much to contribute. If you are a seasoned engineer, retired engineer, or a younger engineer with an

interest in history, we want you! We'll have a booth set up at the committee information session (4:45 pm) at the SEAO membership meeting on January 27 at the Sentinel Hotel, and we plan to have a meeting with those interested in early February. The meeting agenda would be to determine who is interested in being on the History Committee, in what areas they would like to contribute, and who might be interested and qualified to be Chair and co-Chair of the committee (more information will be forthcoming in the January newsletter about the committee information session event). One thought is that if enough interesting data can be compiled before September 2016, we would have a presentation at the September membership meeting (after the Engineering Awards banquet) with the history committee members sharing interesting stories and statistics with the rest of us. Are you interested? Please let one of the current Board members know.

If this has been a profitable year for you, would you consider making a donation to the Structural Engineers Association of Oregon Scholarship Fund? The SEAOSF scholarship program has grown from a small program to providing four substantial scholarships every year, but we rely on your tax-deductible donations (and the SEAOSF Trade Show coming in February) to continue to grow the fund and to provide these much-needed investments in the structural engineering profession. If you would like to contribute you can go online at <http://www.seaosf.org/donate/>, or you can send a check to:

SEAO Scholarship Foundation
9220 SW Barbur Blvd. #119
PMB #336
Portland, OR 97219

We trust that you and your loved ones are having a wonderful holiday season, and I personally wish you a very Merry Christmas.

— Gary Lewis

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Phillip Davis—phillip.davis@kpff.com

CONTINUING EDUCATION

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SEAO BOARD RETREAT “FISH CAMP”

BY: ETHAN ALTON

On the weekend of October 3rd-4th, members of the 2015-2016 SEAO board and two lucky raffle winners were hosted by Mike Bair and Bill Voss for an all-expenses paid fishing retreat. The retreat served as a great opportunity for the board members to get to know each other and to plan for the year to come. Among the attending were Gary Lewis, Andy Stember, Jennifer Eggers, Kevin McCormick, Dmitri Wright, Shelly Duquette, Michelle Chavez, Tyler Kirchhofer, and Ethan Alton.

We left early Thursday afternoon to carpool to Shady Cove, and after a bit of a drive arrived at Fish Camp. Fish Camp is the home of Bill Voss and his wife, Dede. They own a stretch of land along the Rogue River which they have developed into their own private summer camp for adults. They have heated cabins with comfortable beds, a covered eating area with a galley kitchen, a gigantic fire pit, and activities ranging from darts to hula hooping.

When we arrived on Thursday night, we were treated to a “light” dinner of stuffed baked potatoes and chili prepared by Dede. After dinner we sat around the campfire and got to know each other, and eventually went to bed excited to fish.



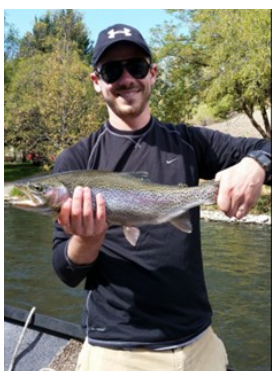
The next morning we were fed breakfast and loaded into the (s)Cool Bus. After a quick drive into town we met our guides and hit the river. The guides were all a lot of fun, and they knew the river well. With their expertise we all honed our casting skills and were able to pull in a good number of fish, even a few keepers. The weather on the water was nice and sunny; a perfect day to spend outdoors. After a full day on the river we went back to fish camp for another delicious dinner and gathered for a planning meeting to brain storm ideas for the year.



SEAO BOARD RETREAT “FISH CAMP” (CONTINUED)



One of the topics we discussed was forming a committee to gather and record the history of structural engineering in Oregon. This committee would record the history of how firms in Oregon were formed, and document how some firms sprouted from others. They could also compile reports on major engineering projects in the state and interview older engineers about how the culture of engineering has changed over time. Over the years this information could be compiled into a book or website. We also discussed member involvement, particularly younger member participation. We brainstormed ideas on what would be beneficial to younger members and how to get older members more involved as board members and committee chairs.



Once we finished our meeting it was time for another relaxing evening of sitting around the camp fire and playing games. Foam ball golf, darts, and a game called stump were crowd favorites, but once the sun went down we mostly stayed around the campfire telling fun stories and making s'mores.

Saturday was every bit as fun as Friday, with an early rise and another trip in the Cool Bus we were out on the river for another sunny day of fishing. At the end of the day, we went to the local Mexican food restaurant, then back to fish camp for one last evening.



On Sunday it had to come to an end, so we packed up and carpooled home after breakfast. Fish Camp was a great experience to get to know and learn from the members of the board. We all would like to thank Mike Bair, Bill Voss, and Dede for being such gracious and wonderful hosts. We appreciate and thank you for your continued support of SEAO.

This is the same fishing trip that is being raffled off at SEAO events. The more SEAO events you attend, the more chances you get to win a trip to fish on the Rogue River—an event you will not want to miss!



LEGISLATIVE COMMITTEE UPDATE

BY: PAUL KLUVERS

It has been said that participating in any legislative process is like watching sausages being made...one often loses the taste for sausage. Nevertheless, it is a process that can be exciting, frustrating and rewarding, yet can also leave one with a profound appreciation that we as citizens have this opportunity.

Generally consisting of just one or two active members, the Legislative Committee reviews the legislation that comes through the Oregon Senate and House of Representatives for anything that affects the practice of structural engineering and the construction industry in general. In the past we have seen legislation that favors certain industries, which may or may not benefit us as engineers. In those cases SEAO members have presented arguments either in favor or against a particular bill or resolution. In some cases members have appeared before committees to present testimony. Individual members, as is the case with any citizen, have the privilege of expressing opinions about any legislation. In the past SEAO has not taken a stance that favors one materials industry over another (as was the case some years ago between steel, timber and concrete groups). Any "official" position adopted by SEAO requires SEAO Board approval.

The process of reviewing legislation can be a daunting task, though with the State Legislature's web site the ability to search and review pending bills has become easier than in the past when the Committee received each bill, which had to be read for any impact to structural engineering. SEAO members also work with ACEC-Oregon, who has retained a lobbyist to monitor and report on key legislation.

The 2016 Legislative Session begins in January, 2016. At this time there are no significant measures in the legislative hopper. Here is a link to the State's web site: <https://www.oregonlegislature.gov/>.

YOUNG MEMBER FORUM ACTIVITIES

BY: PHILLIP DAVIS

Upcoming YMF Events:

Thursday January 21st – YMF Happy Hour

Location: TBD

Time: 5:30-7:30

Bring a friend or coworker and get to know some other young professionals in the area over food and drinks. Happy hour food provided by SEAO.

YMF Website Info:

<http://www.seao.org/committees/advocacy/ymf/>

Please visit our website for more information on YMF events and information.

NEW MEMBERS

The newest member to join SEAO is:

November/December New Member:

Andy Anderson - Clackamas County

Welcome New Member!!

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 web-site www.seao.org.

MEMBER OF THE MONTH

STEPHEN STENBERG



This month, we would like to acknowledge the help and contributions that Stephen Stenberg has made to the Golf Tournament Committee. As most of you know, the golf tournament is co-hosted by the Oregon chapter of ACI (American Concrete Institute) and provides a great summer

venue for connecting with friends and colleagues in the sun. Stephen has singlehandedly upheld SEO's end of the committee responsibilities, contributing to help make it a successful event along with his OACI counterparts. (He can leap tall buildings in a single bound as well!)

When not helping SEO, Stephen is an engineer with VLMK Engineering + Design where he first worked as an intern while still a student at OSU and then continued after graduation. He is married and lives in downtown Portland, enjoying a short commute to the office on his "fixy" bicycle and the many activities Portland offers beyond work. Stephen is an avid handball player and regularly participates in tournaments around the region. During the winter, you will frequently find him on the mountain enjoying snowboarding. But it's not just about recreation, Stephen also takes time to help others. Participating with Young Life, he and his wife volunteer to help, mentor, and reach at-risk kids and make a difference in their lives.

On behalf of SEO, we want to say Thank you! to Stephen for helping make the Golf Tournament a success!

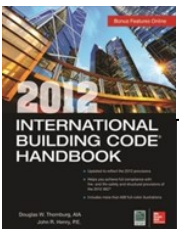
IBC CODE INFORMATION

EXCERPT FROM 2012 IBC HANDBOOK

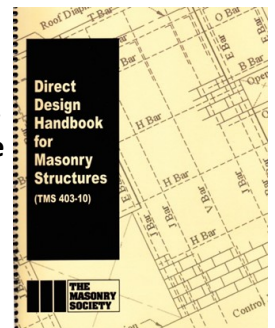
2101.2.7 Direct design.

The 2012 IBC now includes a simplified design method for single-story, concrete masonry buildings based on the new referenced standard TMS 403, *Direct Design Handbook for Masonry Structures*. The methodology is based on the strength design provisions and the factored load combinations for dead, roof live, wind, seismic, snow, and rain loads in accordance with ASCE 7. The new design standard was developed by the masonry industry in response to concerns from the design community that structural loads and design requirements have become too complicated, particularly for relatively small, simple structures. The direct design procedure is a table-based structural design method that permits the user to follow a series of steps to design and specify relatively simple, single-story, concrete masonry bearing-wall structures. The method is simple to implement compared to conventional design approaches, but it limits the design to only those configurations addressed by the standard. It introduces slightly more conservatism compared

to conventional design procedures as a result of the conditions and assumptions inherent to the design method. There are limitations based on ground snow load, wind speed, mapped seismic spectral acceleration, the type of masonry walls and roof systems used, and minimum reinforcing requirements. The *Direct Design Handbook for Masonry Structures* is intended to capture many of the simple load-bearing masonry structures commonly designed today. It should be emphasized that irrespective of the design method used, whether allowable stress design, strength design, empirical design, or prestressed masonry design, masonry structures must also comply with the applicable seismic design requirements prescribed in Section 2106 based on the seismic design category of the building or structure. The seismic design category of a structure is determined in accordance with Section 1613.3.5 based on the potential seismic ground motion at the site (S_{DS} and S_{D1}), soil type (Site Class), and use of the structure. Section 2106 Section 1.18 of the MSJC code without amendments for seismic design of masonry structures.



This excerpt is from the 2012 International Building Code Handbook, authored by John Henry, PE and Doug Thornburg, AIA. The book is available at iccsafe.org/store. Use ID # 4000S12.



USRC CERTIFICATION & NEW MEMBERSHIP OPPORTUNITIES

The US Resiliency Council (USRC – www.usrc.org) is pleased to announce two important new opportunities as it launches its rating system for the earthquake performance of buildings.

1. Join the USRC as we embark upon our mission to implement meaningful rating systems that describe the performance of buildings during earthquakes and other natural hazards.
2. Apply to become a USRC Certified Rating Professional and/or Certified Rating Reviewer to perform and review USRC ratings.

New membership opportunities and benefits are described at www.usrc.org, where you can join online.

The minimum requirements to become a USRC Certified Rating Professional include a professional engineering license with five years of relevant building evaluation experience after the date of license. The cost to become a USRC Certified Rating Professional is \$600 for individuals with a \$100 annual renewal fee. Individual and corporate members enjoy discounts on certification application fees. Your application fee includes a one year individual membership in the USRC and the cost of attending two required web based seminars on the two USRC approved methodologies for seismic evaluations – ASCE 41 and FEMA P58.

The minimum requirements to become a USRC Certified Rating Reviewer include holding the highest professional engineering licensure offered in the state in which you practice and in which the project you are reviewing is located. If that highest level of licensure in a state is an SE then 5 years of relevant experience after an SE license is required. If the highest level is a PE then 10 years of relevant experience after licensure is required. In states that offer a Structural Engineer designation, in lieu of that designation an applicant may have a combination of a Professional Engineering License, a PhD in structural or civil engineering and 5 years minimum qualifying experience. Application fees, membership discounts and annual renewal fees are the same as for Certified Rating Professionals. Reviewers will be compensated by the USRC at the rate of \$200 per hour, subject to USRC Terms and Conditions.

Details of the application process and other requirements for certification are provided on both the web site and the USRC portal www.usrc-portal.org. To become a USRC Certified Rating Professional and/or Certified Rating Reviewer submit your application, qualification package, and payment on the USRC portal.

OBITUARY NOTICE WAYNE LEE BROWN

Jan. 12, 1940 - Aug. 1, 2015

Wayne Lee Brown died on Aug. 1st. He was laid to rest at Willamette National Cemetery with military honors. Memorial services were held at Good Shepherd Community Church in Boring. Arrangements: Hillside Chapel.

SEAO offers condolences to Wayne's family and friends.

NCSEA WINTER LEADERSHIP FORUM MARCH 10 & 11, 2016

SAVE THE DATE! The NCSEA Winter Leadership Forum at the Coronado Island Marriott in San Diego, CA is in March. The Forum draws principals and leaders from a diverse group of structural engineering firms to engage in thought-provoking sessions, roundtables, and networking.

See page 15 for more information on the Forum programs and speakers.

PE REVIEW COURSE AT PSU

Portland State University Department of Civil and Environmental Engineering offers a review course that is designed to help you prepare for the Professional Engineering (PE) exam. The course reviews each of the exam subject areas weekly and is taught by PSU and OSU faculty and licensed professionals. This non-credit course is offered once per year.

This year the course runs Tuesdays 6:30pm to 9:30pm, January 5 to March 16, 2016 on the PSU campus. See <http://www.pdx.edu/cee/pe-review-course> for more information and to register for the course.

EMPLOYMENT OPPORTUNITIES

PRECISION STRUCTURAL ENGINEERING, INC.

Civil/Structural Engineer
Klamath Falls, OR

Precision Structural Engineering, Inc. is seeking a Civil/Structural Engineer to perform structural analysis, design and detailing for residential and commercial buildings. B.S. in Civil Engineering is required and must have a minimum of 1 year of structural engineering experience to join our team. If you are a strong professional who is self-motivated, hardworking this is an excellent opportunity for those who love structural engineering. Come and grow with us and enjoy Southern Oregon's outstanding outdoor activities. We use new, Green, construction materials such as Light gauge steel, Log, Straw bales and Bamboo construction as well as traditional construction systems such as Light wood framing, Timber, Steel, Concrete and Masonry.

Please send resume to 250 A Main Street, Klamath Falls, OR 97601. Or fax to: (541) 850-6233. Bonus plan and other excellent benefits. Please visit www.structure1.com for more details of employment opportunities or apply online at <http://structure99.com/jobs/apply/6845/>.

CATENA CONSULTING ENGINEERS

Structural Engineer
Portland, OR

Catena Consulting Engineers provides the personal environment of a small firm while providing the opportunity to work on a variety of projects. Our projects vary in size from a single day's effort to large projects with construction values in excess of \$300 million. You will gain design experience in concrete, steel, timber, and masonry buildings and will work on a wide variety of project types, including buildings created for healing, learning, living, and interacting.

Due to the technical complexity and challenge of many of our projects, we seek engineers that have earned a Master's degree and that have a desire to learn, grow, and be challenged. U.S. citizenship is preferred. We are currently seeking engineers with 0 to 4 years of experience in structural engineering for buildings. For a detailed advertisement and to submit your resume, visit our website: <http://www.catenaengineers.com/opportunities.php>.

BergerABAM

Structural Design Engineer
Portland, OR

BergerABAM's Portland, OR office is offering a mid-level position available for a structural design engineer with experience in one or more of the following areas: buildings, bridges, marine structures, industrial structures, and/or other infrastructure work. The candidate will work on project teams that analyze and design all of the above-mentioned structure types for projects located in our region and across the globe.

Position requires:

BSCE; MSCE preferred

EIT or PE license

4 – 8 years of progressively responsible structural design experience

Knowledge of applicable building codes, bridge codes

Strong written and verbal communication ability

Proficiency with AutoCAD or MicroStation required, REVIT preferred

For more information please visit BergerABAM's website at <http://www.abam.com/careers>. Position #16-ENG-14 Structural Design Engineer.

BergerABAM is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to status as a protected veteran or a qualified individual with a disability, or other protected status, such as race, religion, color, national origin, sex, age.

EMPLOYMENT OPPORTUNITIES (CONT.)

KPFF CONSULTING ENGINEERS

Experienced Structural Engineers and Entry-Level Structural Engineers

KPFF Portland is looking for Experienced and Entry-Level Structural Engineers who are motivated and interested in an opportunity for growth.

KPFF is about freedom. Freedom to work on what inspires you. Our engineers work on a vast spectrum of projects that are located around the globe: from anchorage of mechanical systems to complex, non-linear analysis of high-rise structures. We have the benefits of a large, stable firm but none of the red tape that comes with it. Providing first-class service to our clients is what we're about. We are a group of dedicated, friendly, collaborative, hard-working professionals. We are looking for exceptional engineers to join us. Please use the appropriate link below for full details.

Experienced Structural Engineer Apply Here: http://chc.tbe.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=73

Entry-Level Structural Engineer Apply Here: http://chc.tbe.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=151

Experienced and Entry Level BIM/CAD Modelers Portland, OR

KPFF Portland is looking for both Experienced and Entry-Level BIM/CAD Modelers who are motivated and interested in an opportunity for growth.

KPFF is about freedom. Freedom to work on what inspires you. Our modelers work on a vast spectrum of projects that are located around the globe: from anchorage of mechanical systems to complex, non-linear analysis of high-rise structures. We have all the benefits of a large, stable firm but none of the red tape that comes with it. Providing first-class service to our clients is what we're about. We are a group of dedicated, friendly, collaborative, hard-working professionals. We are looking for exceptional modelers to join us. Please use the appropriate link below for full details.

Experienced Modeler Apply Here: http://chc.tbe.taleo.net/chc05/ats/careers/requisition.jsp?sessionid=C7E8EA90347EB424C07FBBB0763537A6?org=KPFF_2&cws=63&rid=96

Entry-Level Modeler Apply Here: http://chc.tbe.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=255

KPFF is an equal opportunity employer.

EQUILIBRIUM ENGINEERS LLC

Structural Engineer Lake Oswego, OR

Equilibrium Engineers is looking for a Structural Project Engineer with at least 3 years of structural engineering experience to join our team. If you are self-motivated, confident in your abilities as an engineer, and don't mind having fun while you work, you might be the person we are looking for. Our name says it all—at Equilibrium, we understand the stresses inherent to our profession, and our culture is one that promotes work-life balance through maintaining a relaxed, family atmosphere and manageable workload for all of our employees so that they have both the time and energy to devote to other interests.

Please visit our website at www.equilibriumllc.com to learn more about us, and send your resume to edq@equilibriumllc.com, or just stop by our office!

GROUP DELTA CONSULTANTS, INC.

Catastrophe Response Team Licensed Civil and Structural Engineers

Group Delta is seeking licensed civil and structural engineers with strong professional experience in evaluation of earthquake damaged residential and commercial structures. Group Delta is building a forensic team with California experience and California licenses.

If you have forensic experience evaluating structures, would like to perform earthquake damage evaluations, are interested in being a part of, and working with this team please contact Group Delta Consultants, Inc. Human Resources at Forensics-HR@groupdelta.com.

EMPLOYMENT OPPORTUNITIES (CONT.)

ADAIR HOMES

Structural Engineer
Portland Metro Area, OR

Adair Homes one of the Pacific Northwest's largest home builders with operations in Oregon, Washington and Idaho is seeking a qualified candidate to join our team as a Structural Engineer. Position is based in the Portland Metro area. Incumbents will work collaboratively with our in-house Architectural Design and Purchasing/Estimating Teams on design/build and plan details. Also supports structural design criteria and calculations for submission of permits.

To be considered, candidates must meet the following criteria:

- Current PE license (or ability to become licensed) in WA, OR and ID
- 6+ years progressively responsible experience with single and/or multi-family structural engineering projects
- Experience with value-engineering and cost control methodologies
- Experience with wood frame structures and concrete foundations

Company offers competitive compensation and benefits package. Please send resumes to opportunities@adairhomes.com.

BUREAU OF DEVELOPMENT SERVICES

Structural Engineer
Portland, OR

The Bureau of Development Services (BDS) is looking for a Structural Engineer to perform advanced professional engineering assignments. Engineers on this team exercise individual creativity and initiative, and routinely collaborate on unusual or complex projects. The core of the work is performing specialized structural plan reviews of private development and public work structures, to assure compliance with applicable codes and regulations. The objective is to meet the Bureau's Mission Statement, which is: *to promote the safety, livability and economic vitality through efficient and collaborative application of building and development codes.*

The City of Portland offers a competitive compensation package and provides a dynamic and inclusive workplace. *A certificate of registration as a Professional Engineer (P.E.) is required by date of hire. You are invited to attend an optional information session to learn more about this position. Please see the full announcement and application instructions at www.PortlandOregon.gov/jobs. This recruitment closes December 21, 2015.*

DUES REMINDER

Annual dues for SEAO membership are due on October 31, 2015. You can make checks payable to SEAO and mail to:
9220 SW Barbur Blvd, No. 119
Portland, OR 97219

Or renew online using a credit card by going to: www.seao.org

Renewals: Member (licensed PE in Oregon): \$102
 Affiliate Member (unlicensed): \$95
 Student Member (full-time student in Civil or Structural Engineering): \$16.50
 Retired Members & Affiliate Members: \$25



Membership must be current (dues paid) to have your name included in our annual roster.

To update our records, please be sure that we have your correct address, name of your company, current phone numbers, and your email address. This will guarantee that you are receiving all correspondence and information from SEAO. You can update your information online or if you have any questions contact jane@seao.org.



STRUCTURAL ENGINEERS ASSOCIATION OF OREGON

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www.seao.org • E-mail: seao@seao.org

SEAO 2015 Fish Camp Strategic Planning Meeting notes

5:30 PM, October 2, 2015

Meeting Location: Fish Camp Conference Room, Shady Cove, Oregon

CALL TO ORDER:

The strategic planning meeting was called to order at approximately 5:15 pm by President Gary Lewis at the Fish Camp retreat.

ROLL CALL:

Present:

Andy Stember, Dmitri Wright, Ethan Alton, Gary Lewis, Jennifer Eggers, Kevin McCormick, Michelle Chavez, Mike Bair, Shelly Duquette, Tyler Kirchhofer, JoMarie Farrell

NOTES:

The meeting was intended as a brainstorming session for SEAO activities and priorities for the coming year. It was open to board members and former board members, committee chairs, and SEAO members / affiliate members who were present at the Fish Camp retreat.

The meeting was called to order by President Gary Lewis, who opened with an idea for a new committee and SEAO project to compile a history of SEAO and of Oregon structural engineering firms. The committee would consist of a cross-section of the membership, particularly including older / retired members who would have best access to information about the engineering firms in the area. Shelly mentioned that as part of her job at the City of Portland, she has good access to historical records and could watch for information that might be helpful to the committee. Andy suggested that we outline some goals for the committee prior to forming it, such as the scope of the investigation, etc. Gary noted that the September 2016 membership meeting could use the history compiled to date as a program topic, with committee members presenting the history and older engineers encouraged to attend to contribute to the discussion. This is expected to be a longer-term project than just one year.

Mike brought up the subject of mentoring and improving the knowledge of members as a goal for SEAO, such as teaching about failures. Jennifer mentioned that we have an upcoming program on the Hyatt Regency walkway collapse this year as an example. We discussed the quality of work. Hand calculations versus computer. Need to teach hand calculations before computer use. Garbage in = garbage out. Andy noted that we have an upcoming seminar in November on ASCE 41, and that a geotechnical seminar is in the works. Mike mentioned a couple of projects that showed innovation in wood design and use, and noted that the construction industry is continuing to expand the use of and possibilities for materials.

Shelly brought up the topic of “giving back to the profession”, suggesting that we need to make it easier to participate in committees by expanding involvement. She cited Ed Huston as an example of an engineer who tirelessly works for the profession. The discussion continued to the idea of mentoring the public by providing information on topics that affect them, such as seismic retrofitting of homes, to which Shelly mentioned that we could possibly partner with the Portland Bureau of Emergency Management. It was also suggested that we recruit several experienced engineers to write “Lessons Learned” articles for the newsletter. We also discussed having the SEAO Awards committee prepare a press release regarding the winners and submit a first draft to the Board for review. Marketing to inspire. Educate the people from

an engineer's point of view. Mike offered to be an editor of the articles. Existing material retrofit of URM houses, CoP brochure and Simpson Brochure.

Another topic discussed was how to increase involvement in SEAO membership and activities. Several suggestions were to try to increase the number of firms that subsidize their employees' membership dues and meeting costs, possibly by featuring the names of those that do in the newsletter. Another thought was to reduce the commitment level needed to participate in a committee by increasing the numbers on the committees and delegating reasonable tasks to the members. The younger members present suggested that with busy work, family, and social lives, finding time to participate in SEAO and YMF was difficult, but that they needed mentoring and training in engineering methods in order to better do their jobs. It was hard to jump into the ongoing projects at YMF, and they didn't have time for the Happy Hours. They also said that if SEAO and YMF provided practical education opportunities that younger members and nonmembers would be more likely to participate. For instance, Board members could speak at YMF meetings on engineering or management topics and answer questions to start the process. Topics could include designing retaining walls, steel connections (especially welding), etc. Dave Bugni's name was mentioned as a good presenter to YMF.

Shelly informed us that personal and corporate contributions to the Scholarship fund are at an all-time low, and we discussed ways we might improve that statistic. Ideas included articles in the newsletter, letters to the members and member firms, "Where are You Now" articles / interviews with former scholarship winners to show people the benefits of contributing, and publicizing the names of donors again.

A few other topics discussed briefly: TED Talks, making it known what SEAO does, making it known what YMF does, and informing the public that seismic design is based on minimum standards for life safety instead of damage prevention.

The meeting was adjourned at 6:30 pm.



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

52nd Annual E-Week High School Program

YOU are an essential part of the 52nd Annual Engineers Week Program.

The 52nd Annual Engineers Week High School Program is coming:

Date: Thursday, February 25, 2016

**Location: Lloyd Center DoubleTree by Hilton Hotel
1000 NE Multnomah Street, Portland**

Pre-Banquet Events: The Exhibit Hall & Student Seminars will be open from **4 – 6:15 PM** for students, teachers and engineers.

The Annual Engineers Week High School Banquet begins at 6:30 PM. All sponsor engineers are encouraged to attend – this is the best opportunity to talk to students and share what you love about being an engineer!

To participate at E-week:

- Send in the attached form and a sponsor check (see details on next page).
- Email Tova Peltz at tova.r.peltz@odot.state.or.us for online registration and payment information.
- We will contact you with additional day of the event information.

***THANK YOU ! We look forward to seeing
you in February!***

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
Platinum	\$2,000	✓	✓	✓	20	15
Gold	\$1,000	✓	✓	.	10	10
Silver	\$500	✓	.	.	5	5
Individual	\$75	.	.	.	1	1

*Title sponsors will be included on all event publications if program support is committed by December 31, 2015.

E-week Registration

Company Name: _____

Contact Name: _____

Email Address: _____

Phone Number: _____

Sponsor level - check one:

- ☐ Platinum \$2,000
- ☐ Gold \$1,000
- ☐ Silver \$500
- ☐ Individual \$75
- ☐ 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 ODOT Construction, 6000 SW Raab Road, Portland OR 97221.

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

Save The Date

2016 WINTER LEADERSHIP FORUM



MARCH 10 & 11 Coronado Island Marriott San Diego, CA

The NCSEA Winter Leadership Forum draws principals and leaders from a diverse group of structural engineering firms to engage in thought-provoking sessions, roundtables, and networking. This two-day Forum will feature top-notch, thought-provoking speakers and case studies.

In 2016, the Forum will focus on managing risk professionally, collaboratively and transparently. The first day will consist of interactive discussions on managing the various risks every firm faces every day. The second day will be a discussion of the various risks faced on projects and some of the preventative measures you can take. Three to four presentations of actual claims will be presented, with a discussion of what went wrong (if anything) and how some of these claims could have been avoided.

ON THURSDAY, LOOK FOR:



Legal advice, as well as give and take, on how to achieve your business objectives while minimizing the risks of litigation. Topics will touch on labor and employment law for managers, discrimination in the workplace, leveraging the hiring process to find the best candidates, background checks, best practices for conducting internal investigations, and more. Speaker: Attorney Staci Ketay Rotman

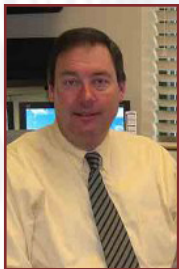
Staci Ketay Rotman is a partner in the Labor & Employment Practice Group at Franczek Radelet P.C. She advises and represents employers in all aspects of labor and employment law and has represented clients before federal and state courts and administrative agencies, as well as in arbitration proceedings. Staci has extensive experience in connection with employment discrimination, sexual harassment, wrongful discharge, leave management, employee accommodation, restrictive covenants, employment related torts, employment policies and agreements, reductions in force, I-9 compliance and other workplace issues.

A Q&A Workshop-type format on the pros, cons, and financial implications of the various project delivery methods. This will be an informative 'conversation' about specific advantages/disadvantages, where you will have the opportunity to take away information tailored to your particular needs. Case examples for each delivery method will be covered, as time permits. Speaker: Dale Munhall, AIA



Dale Munhall, AIA, is Director of Construction Phase Services for Leo A Daly at their national headquarters office in Omaha. He is a registered architect, certified by the National Council of Architectural Registration Boards (NCARB), and is a LEED Accredited Professional. During his four decade career he has developed a unique perspective on the entire project delivery process via his early experience as a construction manager and field superintendent and as a real estate broker and part-time building code official. He actively serves on committees of the American Institute of Architects (AIA) and the Design-Build Institute of America (DBIA), and he has written and made national presentations on various aspects of design and construction.

ON FRIDAY, LOOK FOR:



An exploration of the differences in E & O insurance policies and how to conform to insurance requirements. Have your questions answered on Best Ratings, prior acts coverage, pre-claim assistance and cost, whether coverage is limited to the settlement amount if the insured refuses settlement, and more.

Speakers: Dan Bradshaw, insurance agent, and Craig Coburn, attorney.

Dan Bradshaw is president at Benchmark Insurance Agency in Bountiful, Utah, and a past president of the Professional Liability Agents Network (PLAN). He specializes in risk management for designers, architects, and engineers, contract review, and professional liability/errors and omissions insurance.

Craig Coburn is an attorney and shareholder at Richards Brandt Miller Nelson. He is chair of the firm's construction industry services and mediation/arbitration services groups and teaches at the University of Utah College of Engineering.



Claims Sharing: Three firms will present what happened to them when they were sued for professional negligence. They will tell their stories about the projects, the allegations, the outcome and the lessons learned; but the outcome and lessons learned will not be revealed until after WLF attendees have had their own opportunity to predict the outcome.

Moderator: John Tawresey, SE

Speakers: Seasoned [been sued] structural engineers and defense counsel

John Tawresey has over 47 years of experience as a structural engineer and was the Chief Financial Officer at KPFF Consulting Engineers for 38 years. He participated in the growth of KPFF from a 50-person firm to the 900-person firm that it is today. He is also a past president of the Structural Engineers Risk Management Council (SERMC) and past chair of the SERMC Claims Committee.