Let me start by saying what an honor it is to serve as this year’s SEAW State President! Although my time in the profession has been relatively short, I have developed an immense respect for my colleagues and the profession we share. I look forward to serving my fellow structural engineers and would like to personally invite you get involved with the leadership and learning opportunities provided by SEAW.

To introduce myself...

I was born and raised in Spokane and graduated from Gonzaga University in 2006. My professional career began immediately after, at a local consulting engineering firm. Working as a consultant gave me a great base of experience while working on a wide variety of local projects. Towards the end of 2011, I started at a new position for a worldwide material handling equipment manufacturer. Working with foreign colleagues, building codes, and manufacturers to design and construct safe and reliable equipment opened the door to a whole new world of experience for me. With the global mining market getting turbulent and having recently passed the SE exam, I decided to get back into consulting engineering at the end of 2013 and joined Ted & H Engineering at the end of 2014. My current employer, TD&H Engineering, never would have guessed that during those years of support.

The next time you see her, please take a moment to thank her for her years of support.

The next time you see her, please take a moment to thank her for her years of support.
Outgoing President’s Message

Consider this cliché and volunteer. Volunteer to do a one-time event with our great organization: organize a monthly meeting or take on a task with a committee. The commitment and time spent is rewarding and the time passes quickly.

Next month I will be attending the SEA Northwest Conference in Boise, Idaho. I encourage SEAW members to attend this event and look forward to seeing you there; it will be great.

Over the past year I was able to attend at least one monthly meeting at each of the chapters here are the highlights:

March was a party with the South Central Chapter, celebrating their 20th Anniversary. The featured Speaker was Ed Huston who was also the first presenter at the South Central Chapter 20 years ago. Ed showed a history of Structural Engineering with many entertaining pictures.

April was the joint dinner meeting with Southwest Chapter being hosted by the Seattle Chapter. The program included a tour and presentation of the Link Light Rail extension to South 200th Street at Sea-Tac. I love tours and seeing how structures are built.

May, I attended the Spokane Chapter’s lunch meeting. The topic was presented by AISC on the Design Manuals. The meeting was well attended and I had several great conversations with several members of the Chapter.

This next year will be one of transition for me and SEAW. I look forward to helping incoming president Ted Bernards and SEAW start a journey with a new Executive Director.

I look forward to seeing you at the next SEAW event.

2015 SEAW & SEFW Scholarship Awards

SEAW and SEFW awarded two $3,000 scholarships for 2015, to Hilary Tervet and Jonathon Waldrip. Scholarship committee chair Kevin Solberg made the presentations at the June 22nd Seattle Chapter Social and Awards Event.

Hillary Tervet, EIT, graduated in June 2015 with her BS in Civil Engineering from Seattle University. She plans to attend SU in the fall to begin her master’s program. From Federal Way, Hillary graduated from Todd Beamer High School and also attended Highline Community College and Bryn Mawr College before SU. While at SU, she served as president of the ASCE student chapter, participated in the steel bridge and concrete canoe competitions, and was on the first-place team for the SEAW Student Competition. Hillary had internships at both Sound Transit and King County Metro, and was able to take a service trip to Nicaragua with Professionals Without Borders. She enjoys snowboarding.

Jonathon Waldrip, EIT, earned his BS in Civil Engineering from Washington State University in May 2014, and is now in the Structural Engineering Masters program at WSU, with an expected graduation of May 2016. From Port Angeles, he graduated from Crescent School in Joyce, WA, and participated in Running Start through Peninsula College. While at WSU, Jon participated in Engineers Without Borders and Bridges to Prosperity, designing a pedestrian bridge in north central Haiti. He interned at Zenovic & Associates in Port Angeles, and served as a research assistant and teaching assistant at WSU. His thesis topic is lateral stability and stiffness restoration in timber deck and porch structures. He played trumpet in the WSU concert band and led a gymnastics, dance, and martial arts club called FreeRunWSU.

Hilary and Jonathon mark the 60th and 61st recipients of the SEAW Scholarship Award, which was instituted in 1985.

The Structural Engineers Foundation of Washington (SEFW) was formed in 2010 as a charitable organization to enable donations to the Scholarship Award program to be tax deductible.

SEAW SCHOLARSHIP
APPLICATION INFORMATION

Each December, announcements of the SEAW Scholarship program are distributed to engineering schools in the Western United States. Applicants must be U.S. citizens and residents of Washington State; as an undergraduate in their final year of study, or a graduate student; enrolled at the time of application in a program of study majoring in structural engineering; and having a commitment to making a career in the practice of structural engineering.

Scholarship application materials are posted under “Quick Links” on the web at www.seaw.org

Please consider a Tax Deductible Contribution to the SEAW Scholarship Fund

Donations are accepted online at www.seaw.org or by check made payable to:

Structural Engineers Foundation of Washington (SEFW)
% Smith & Huston, Inc.
8618 Roosevelt Way NE, Seattle WA 98115.
Annual Chapter Reports

Seattle Chapter

-by Tom Corcoran

I hope everyone is enjoying the long, warm days of summer, and this newsletter finds you and your families happy and healthy. As your exiting Seattle Chapter president I would like to take a moment to review our accomplishments of the past year.

They say a good leader surrounds himself with great people and I don’t know if the former is true but I do know that I was surrounded by some extraordinary, hard-working folks. We have accomplished so much more than I thought was possible when I began my term as president. I want to highlight a few of the successes we had this past year.

The first Student Competition was a huge success, primarily due to the efforts of Eduardo Avelar from the Southwest Chapter. He presented the Student Competition idea to the Seattle Chapter Board and it was approved. With the help of other SEAW members, two teams from UW and one team from Seattle University participated in a competition to build trusses and load test them in October of last year. The teams then presented at the January Student/Firm showcase, with Seattle University taking home the top prize. The Structural Engineering Foundation of WA contributed $2000 of scholarship money for the event; all three teams received a portion of it. Not only has the Seattle Chapter decided to continue the competition as an annual event, the Spokane Chapter also plans to replicate the competition for universities in eastern WA.

When I look at all the hard work and commitment over this past year, the Northwest Conference epitomizes this level of dedication. In today’s environment, in which competition for attendance is so great, Peter Somers and the group of folks who planned the event not only hosted over one hundred attendees, they also managed to make a profit.

The YMF had a terrific year improving their Happy Hour attendance, including inviting Board members and Committee Chairs to share their experience and knowledge with our next generation of leaders. The YMF has also been working with SEFW’s STEM Outreach program providing mentors for high school STEM activities such as the Mountlake Terrace HS robotics and truss building classes/competitions. And I’m really excited that the YMF has joined with the ASCE YMF to host a Golf Tournament in August. I see this as a great opportunity to increase revenue to fund their functions, and to work with another outstanding engineering organization.

SEAW worked with the Puget Sound Engineering Council creating a formal list of SEAW volunteer mentors for the PSEC mentor nights. University students are given the opportunity to listen to engineers share stories of their particular profession, including structural engineering. This gives the students an inside look at the professionals they are considering pursuing.

The Program Committee did a fantastic job organizing the monthly dinner programs this past year. I was impressed with the caliber of presentations given at each dinner meeting. We were provided not only with the technical aspects, but with a complete global understanding of the topic. For example, one of our presentations included a fascinating inside view of the Alaskan Way Viaduct Replacement Program. The presentation included insight into the engineering and the decision-making process leading up to the project. Another fascinating presentation that we were lucky enough to receive was on the Elwha Dam removal, a chronology of events from the time the dams were built to the time they were removed, including the current Elwha River restoration successes. These programs, and other programs enjoyed at the dinner meetings not mentioned here, provided a wealth of information for all who attended.

At the June Spring Social and Awards Banquet several people were recognized for their contributions to SEAW. I presented nine Presidential Awards to – Darrell Staleson, Steve Pfeiffer, Paul Brallier, Ardel Jala, Adam Slivers, Kyle Steuck, Andy Taylor, Eric Pope, and Ted Smith. This year’s recipient of the Engineer of the Year award is Peter Somers. Congratulations to all.

I couldn’t consider this article complete without publicly thanking our Executive Director, Lynnell Brunswig. She saved me more times than I can count with her knowledge, expertise, and humor when it was most needed. Whoever said you can’t teach an old dog new tricks hasn’t met Lynnell. Thank you Lynnell for showing this old dog several new tricks. Lynnell will be retiring in November of this year. I am sorry for those who come after me that they will not have the privilege of working with her. All our best Lynnell, you’ll be missed.

In closing I want to thank you for the confidence you have shown in electing me as your 2014/2015 SEAW Seattle Chapter President. It has been an honor and a privilege serving you. I leave you in the very competent hands of your new president Ted Smith.

So long for now....

South Central Chapter

-by Daniel Sumerfield

- The chapter held a social event in August; a picnic at one of the member’s homes. 10 members attended with their families. Good times were had by all.

- Our October meeting was our first official business meeting. Roland Wright from Hanson Structural Precast was the presenter.

- In November meeting, Roger Roatch presented on APA’s new lateral bracing design tool that will be rolled out on their website soon. The meeting was intended to be geared for local building officials, to bring them up to date on prescriptive lateral bracing requirements for light-framed residential construction. Three building officials attended the meeting.

- The subject of our January meeting was the discovery, cause, and repair of the Wanapum Dam Cracking. Presentation was very well received by the group.

- The February meeting was presented by Spraylock Concrete protection. Meeting was well attended.

- In our February meeting, the idea of reserving one or two meetings a year for the SEAW committees to present to the chapter was discussed. The idea was well received.

- In late February, we were solicited by the Mid-Columbia Regional Science Fair to help sponsor their event in the Tri-Cities. Tony Vader volunteered to participate in the judging effort. He reviewed all of the entries and awarded cash prizes to four of the students whose projects involved the application of structural engineering principals.

- The March meeting was a banquet in honor of SC Chapter’s 20th anniversary. Jill Shuttleworth and John Tate worked very hard to organize the event and invite attendees. Out-of-town guests included Tim Nordstrom, Cale Ash, Ed Houston, and Ted Smith. Ed Houston gave a presentation on the evolution of building design, from “Designers” to “Architects” to “Engineers.”

- The April meeting was a joint presentation by Red-Built and Simpson Strongtie. Red-Built discussed best practices for specifying open-web trusses. Simpson discussed new and updated products in their latest catalog.

(Continued on page 4)
In the May meeting, we showed an NCSEA seminar titled “Concrete with Little or No Shrinkage, Cracking, or Curling.”

Chapter elections were held during the May meeting. John Tate was elected President and Jill Shuttleworth elected Vice President.

Daniel Sumerfield was selected as the Chapter Delegate for the 2015 Northwest Conference in Boise.

South Central Chapter will meet again in September. The September, October, and November presiders have already been scheduled.

Southwest Chapter
- by Tim Nordstrom

Membership: As of May 21, 2015 the SW chapter has 100 members, 62 of which are SE members.

Monthly Meetings
September: Joint Dinner meeting hosted by the ASCE Tacoma chapter. Tour of the Basalite operation in DuPont WA. Well attended by members of both organizations, with interesting discussion (±30)

October, November, December: No meetings were held.


February: Lunch meeting (The Rock Pizzeria) Topic: Galvanizing Steel. Presenter: Randy Wells Galvanizers Company. Attendance (±15), held at a new location.

March: Lunch meeting (The Rock Pizzeria), Topic was structural engineering in Afghanistan. Presenter: Scott Douglas. Attendance (±15)

April: Joint dinner meeting hosted by SEAW Seattle Chapter. Tour of the Link Light Rail extension to South 200th Street. The tour and dinner presentation, attendance (±35)

May: Joint meeting hosted by the Tacoma-Olympia AIA chapter. The event was a full tour of Quest Stadium in Seattle (±30)

Elections:
Elections are underway for 2015-2016. It appears that we will fill all the positions except for secretary. Eduardo Avelar will be the next President of the SW Chapter.

Notes:
This year, the SW Chapter gained a new Administrative Assistant, Jennifer Whipkey. This has been working out great especially for getting information out on time.

Spokane Chapter
- by Ted Bernards

The success of the Spokane Chapter is a direct result of the active participation of our membership. Over the past year, the general meeting attendance has been strong again – averaging forty-five to fifty participants. We should be proud of this as it represents nearly half of our total membership. If we take into account scheduling conflicts such as meetings, vacations, and deadlines, I suspect that over three-quarters of our members are actively involved. This year featured many informative presentations, including: Cost Estimating and Constructability Reviews; The AASHTO LRFD Bridge Design Specification; Unbonded Post Tensioning in Building Construction; and Harnessing the Power of the AISC Design Guides to name a few. All of the presentations were provided by leading experts in their respective field.

Looking ahead, there are many exciting opportunities to get involved with SEAW. The Spokane Chapter would like to increase its involvement with local schools. At the college level, we would like to bring the Student Competition to Gonzaga, WSU, and U of I (see the January Equilibrium). At the high school and middle school levels, we would like to continue to support local math and science programs, especially those receiving grants from SEFW (Structural Engineers Foundation of Washington). The Spokane Chapter would also like to increase its participation in the statewide committees. One idea to assist with this is to have a ‘committee roadshow’ visit Spokane. This will allow our members to meet the committee chair members in person and to hear what they are working on in the hopes that our Chapter will provide more active participants.

The annual change in leadership will be as follows:
Outgoing Past-President: Jeff Mitchell of Coffman Engineers
Past-President: Ted Bernards of TD&H Engineering
President: Kevin Cary of FLSmith
Vice President: Matthew Thomas of DCI Engineers
Treasurer / Secretary: Joe Scholze of LSB Engineers

Directors: Darcy Morden of Womer and Associates & Jeff Van Leuven of RSP Structural Systems

I hope that you all have a great summer and I’m looking forward to seeing you all again in the fall.

Call for Nominations:
SEAW LIFETIME SERVICE AWARD

Nominations for the SEAW Lifetime Service award may be made by any SEAW member to the State Board of Trustees by November 1st of each year. Qualifications of a nominee include: SEAW Member; service to SEAW on a statewide level; sustained, significant, multiple contributions; committee service; and nurturing and mentoring abilities. The award may be made posthumously.

If nominations have been submitted, the SEAW State Board will convene a selection panel consisting of the four most recent awardees (if possible) and a representative of each chapter to meet prior to the January State Board meeting.

The award will be presented at the appropriate chapter’s year-end meeting or at the Northwest Conference. The award will consist of a unique trophy or plaque, a cash award, and a contribution in the awardee’s name to the SEAW Endowment Fund.

Send your nomination by e-mail to the SEAW State Board of Trustees at seaw@seaw.org.
The Structural Engineers Foundation of Washington (SEFW), chaired by Dave Peden of Spokane, had an exciting 2014-2015 year. The annual Fall Forum, SEFW’s central educational event and fundraiser, was held in September 2014 at the Grand Hyatt in Seattle, in conjunction with the SEA Northwest Conference. The Forum featured Avery Bang, CEO, and Brooke Shore, Corps Engineers, of Bridges to Prosperity. Their presentation, “Build to Educate,” highlighted their international nonprofit organization and their experiences building bridges in third-world countries. Since its 2001 inception, “B2P” has facilitated construction of more than 160 bridges in 18 countries. The Forum helped serve SEFW’s mission to “enhance the profession of structural engineering” by showcasing an organization that uses structural engineering to serve people of the world.

At the Forum, SEFW announced a partnership with Washington STEM, a statewide organization that promotes science, technology and math subjects in Washington schools. The partnership allowed SEFW to fund field trips for 80+ high school students. In both April and May 2015, two groups of students from the Highline School District traveled to the Seattle Center where volunteers from DCI Engineers, the SEFW Board, and the SEAW YMF led a structural engineering-focused tour of the Pacific Science Center, Space Needle, and KeyArena. Students were introduced not only to the buildings themselves, but also to information about careers in structural engineering and associated technical fields such as CADD.

In November 2014, SEFW was the primary funding source for the first annual SEAW Student Competition, which included three teams of students from the University of Washington and Seattle University. They designed and built wood trusses with provided materials and tested them to failure. The students presented their experiences at the January 2015 Student Showcase event.

In January 2015, in response to an RFP seeking to fund programs that promote structural engineering, SEFW funded a popsicle stick bridge building competition in the Mead School District in Spokane. More than 350 students in grades 9-12 at Spokane’s Mead High School and Mt. Spokane High School designed and built 280 popsicle-stick bridges. After two rounds of load competitions, the winning bridge held more than 400 pounds! SEAW-Spokane provided several member judges for the final event in February.

Also in response to the RFP, SEFW funded a similar program at Mountlake Terrace High School, a STEM school in the Edmonds School District. Using balsa wood, 90 students designed and constructed six-foot-long trussed bridges to bear a 400-pound load. Two local SEAW YMF volunteers served as mentors. The winning bridge held 600 pounds before failure!

Also at MTHS, SEFW provided funding and a YMF mentor for the FIRST Robotics team. Thoughtful structural engineering principles were applied to design the body and moving arms for the 120-pound robot. The team made it all the way to the state championship!

In total, in 2015, SEFW-funded activities helped 545 high school students from three different school districts learn about structural engineering.

In June 2015, two SEAW scholarship recipients were announced. Hilary Tervet, EIT, of Seattle University and Jonathan Waldrip, EIT, of Washington State University, each received a $3,000 award funded by SEFW. Including this year, the SEAW scholarship program has presented $131,000 in awards to a total of 61 structural engineering students.

SEFW’s annual Fall Forum is planned for Tuesday, November 10, at Benaroya Hall in Seattle. The featured speaker will be Ahmad Rahimian of WSP Group, who will discuss his experiences working on the Freedom Tower on the World Trade Center site in New York. His presentation will be a great opportunity to hear the challenges of designing such a culturally significant structure for the United States.

In addition to A/E/C professionals, the lecture will be of interest to university students, high school students, and many others in the general public.

SEFW continues to seek new ideas and projects to help fulfill its mission. It is a great time to promote structural engineering. (And, check soon for SEFW’s newly designed website!)

The Structural Engineers Foundation of Washington was founded in 2010. A 501(c)(3) charitable organization, its mission is to enhance public safety and advance the profession of Structural Engineering through Scholarship, Research, Education, and Outreach.
The Seattle Chapter of the Structural Engineers Association of Washington named Peter Somers as its Engineer of the Year Award for 2015. The award was presented by Ed Huston at the June 22nd Seattle Chapter Social and Awards Event, held at the Lake Union Café in Seattle.

Prospective Engineer of the Year awardees are considered for their visibility to the profession, technical expertise, ability to nurture the professional development of others, and service to SEAW.

Peter Somers is a Principal with Magnusson Klemencic Associates in Seattle. A member of SEAW since 2001, Peter has just completed a long and successful term of service on the Seattle Chapter Board, which he began as a director in 2006-2008. He returned to the board as vice president and program chair in 2012, and went on to serve as Chapter president in 2013, and past president in 2014. He is a long-time member of the SEAW Earthquake Engineering Committee, participated in the planning and execution of the successful 2007 and 2014 SEA Northwest Conferences in Seattle, serving as chair of the latter.

Nationally, Peter has served on the ASCE 41-13 committee and is Vice Chair of the ASCE 41-17 committee, and is a voting member of the NCSEA IEBC subcommittee of the Code Advisory Committee.

Peter’s mentorship reach extends to and far beyond the younger engineers at Magnusson Klemencic Associates. He has regularly shared his expertise with the engineering community at large by his presentations at SEAW Seismic Design Seminars in 2002, 2004, 2005, 2007, and 2013, as well as at three ASCE 41-13 seminars.

On behalf of the Seattle Chapter board and membership, congratulations, Peter, and please accept a heartfelt “Thank you” for all of your efforts on behalf of SEAW.

The Seattle Chapter Engineer of the Year award was established in 1982 by then president Bill Mooseker. The Engineer of the Year selection committee is chaired by a Seattle Chapter Member SE who is a past recipient, and includes the sitting Seattle Chapter President and the last five recipients. A complete list of recipients can be viewed on the SEAW Hall of Fame at [http://www.seaw.org/hall-of-fame](http://www.seaw.org/hall-of-fame).
The Code Approved Solution Leader for Metal Deck Assembly Anchorage

Now has approvals for 3-7/8\" profiles and anchorage into 2.5\" topping slabs*

<table>
<thead>
<tr>
<th>Type</th>
<th>Top of Deck</th>
<th>Power-Stud SD1</th>
<th>Power-Stud SD2</th>
<th>Snake+</th>
<th>Vertigo+</th>
<th>Wedge-Dot+</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; W-Deck</td>
<td>3-1/4&quot;</td>
<td>2-1/2&quot;</td>
<td>3-1/4&quot;</td>
<td>3-1/4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-7/8&quot; W-Deck</td>
<td>2-1/2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SAND-LIGHTWEIGHT CONCRETE OR NORMAL WEIGHT CONCRETE OVER STEEL DECK (MINIMUM 3,000 PSI)

* See individual ICC-ES Reports for details on each condition

THE CONCRETE SOLUTION™

701 F. Ippa Road, Towson, MD 21286 (800) 574-1244  | www.powers.com
Disaster Preparedness & Response

I’m excited to report good progress on a number of long-term Committee initiatives. Development of a Statewide volunteer registry, tentatively named Washington Safety Assessment Facility Evaluation (WSAFE), was begun in early 2015. We are following the recommendations of the Post Disaster Safety Assessment Program (SAP) Development for the State of Washington (Dec 2014), a report that summarizes the volunteer emergency workers and non-governmental organization capabilities. The program will be similar to programs in Missouri and California in that individuals will be required to take an approved ATC-20 class that should include Incident Command training, and a refresher course every 5 years. For engineers to be “full members”, a PE license will be required, but those without a PE or SE will be able to register. Thanks to the WA Department of Health (DOH), we will be using the DOH Wserves electronic system for registration, call-up, and maintenance of our volunteers’ list. A test of the registry was performed in June, with an automated email message to those who are registered in the California Safety Assessment Program (SAP) Evaluator program. In addition to the DOH, our partners include AIAWA, ASCE, and WABO.

Committee members Scott Douglas, Paul Brallier, and Joyce Lem are representing SEAW in Cascadia Rising 2016, a 2-year exercise that culminates in a 4-day simulation of a 9.2 magnitude subduction zone earthquake and Washington Coast tsunami. The simulation will take place in June 2016. The intent is to model and practice the response of regional emergency management agencies with other. Our committee hopes to have our statewide volunteer program in place by then so we can practice call-up(s) using Wserves. Imagine a 4-day Hunger Games and the following “inject” event on Day 2: “This is Seattle DPD calling the King County Emergency Operations Center. We are reporting widespread damage to buildings in the downtown core, Pioneer Square, and Belltown and request the assistance of 50 structural engineers for rapid building safety assessments....” The County could respond by using Wserves and working with our NGO coordinators to access SEAW volunteers in the registry. The committee also intends to use the 2-year planning time for the exercise for networking with our State’s emergency management community. Our goals are for us to become more familiar with them and for them to become aware of our capabilities. Thus far we’ve received a warm welcome.

This year we also asked and learned from the State Attorney General’s Office that the Good Samaritan Law that protects individual volunteers does not extend to NGOs like SEAW. Paul Brallier is leading the effort to get legislation passed to protect NGOs, garnering support from ASCE, WABO, and AIAWA.

Individual committee members taught several private ATC-20 trainings this year. One SEAW class in ATC-20/45 and California SAP Evaluator was taught in March by Paul Brallier and Eduardo Avelar. Thanks to everyone who attended and who helped with putting on the classes. Our ATC classes include California’s SAP Evaluator training to give students the opportunity to join California’s volunteer registry. We will include SAP training and use California’s registry – it’s free to join—until our Washington program is up and running.

Separate Disaster Response Funds were formally established by SEAW and by SEFW. These funds may be used for reconnaissance missions sponsored by SEAW, subject to written guidelines authored by the committee and approved by the State Board. Individual donations to the SEFW fund are tax-deductible.

Special thanks this year to those who attended and participated in committee meetings and activities. In addition to those mentioned above, my personal thanks to: John Riley, Scott, Luke Ruggeri, Dave Swanson, Erik Bishop, Meg Haley, Cale Ash, Jon Sui, Jill Shuttleworth, Ed Huston, and DOH partner Kevin Scarlett. Welcome also to Jackie Celin (hurray she’s back) and new member Brad Ehlers.

The SEAW Committee coordinates and works with the AIA Disaster Preparedness and Response Committee. Our committee is a mix of consulting engineers, building officials, and our AIA partners. Announcements, meeting notes, and agendas are sent to the 50+ on the Committee’s email distribution list. The Committee meets monthly in downtown Seattle, averaging 6 to 10 attending. Audio participation is available via GoToMeeting. We need and welcome more committee members to help! For more information, contact Joyce Lem at joyce.lem@hdrinc.com.

Earthquake Engineering

Over the past year the Earthquake Engineering Committee (EEC) has worked on several important issues related to the practice of earthquake engineering in Washington State. The EEC has also sought to provide timely information to SEAW members through presentations and announcements at EEC meetings. Some EEC activities over the last year include:

- Discussed a code change proposal for hold-down force amplification in the design of wood framing on post-tensioned concrete podium slabs;
- Studied lessons learned from the Napa, California earthquake; and discussed volunteer responses of EEC members to the recent Nepal earthquake;
- Participated in two ballots on revisions to the 2015 NEHRP Seismic Provisions;
- Reviewed and assisted the Seattle Department of Planning and Development with new definitions of building height for seismic design classifications;
- Coordinated EEC activities with activities of the Washington Chapter of the Earthquake Engineering Research Institute;
- Hosted presentations at EEC meetings on topics ranging from the UW “M9 Project”, to research on braced steel frames, to rapid construction of precast concrete structures.

EEC meetings are generally held every two months, on the first Tuesday of the month. Announcements of meeting dates and times are made in Equilibrium. The next three meetings of the EEC will June 30, September 1, and November 3. Meetings are from 12:15 to 1:45, and they are generally held at the 4th floor conference room of the Westlake Center Office Tower, 1601 Fifth Avenue, Seattle. All SEAW members are welcome to attend. If you would like to be on the EEC e-mail list, contact the EEC chair, Andy Taylor, at andrew.taylor@kpff.com.

(Continued on page 9)
Education

The Education Committee is chaired by Ardel Jala. This committee was responsible for organizing the technical sessions for the Northwest Conference hosted by SEAW in Seattle on Sept 18-19, 2014. There were (9) speakers covering a variety of topics. The committee would like to thank all the speakers and volunteers for assisting with this event.

The committee assisted with abstract review and securing speakers for technical sessions of the SEAOC 2015 Convention to be held in Bellevue, Washington this September 9-12.

The committee has been dormant this spring but will meet every other month as planning begins for a statewide Foundations seminar. New members are encouraged to join at any time. Meetings are held in downtown Seattle and concurrent via GoToMeeting. If you are interested, please contact Ardel Jala at ardel.jala@seattle.gov.

Legislative Committee

As I am writing this, our State Senate is taking up the capital budget just passed by the House. This year has been a series of special sessions, extensions and not a lot of action. A transportation package was passed by the House, but it is not expected to be passed by the Senate.

Spokane Chapter members, ACEC Washington will be hosting a Legislative update July 21, 2015 from 8:30 am to 10:30 am in the Landau Room at The Lincoln Center. Admission is free.

Legislative Update for Eastern Washington

Cliff Webster will recap the session and assess the impacts on the A/E business community. He will focus on the priority issues, but will also report on other issues that were debated this year that impact the design industry, and developments regarding government competition.

Note: Cliff Webster is a lobbyist for AELC of which SEAW is a member organization.

During the 2015 legislative session in Olympia, SEAW’s Legislative committee tracked 94 bills total (50 Unique, remember a bill has to be passed in both the house and senate. Therefore each bill has at least two versions, sometimes they are similar, sometimes they are not).

So far, none of the bills being tracked by the SEAW Legislative committee have made it through to the Governor’s desk for a signature. This is not to say that there hasn’t been bills passed, they just are not pertaining to the practice of Structural Engineering in Washington.

Three items of note are:

◊ The capital budget appears to be passing at the final minutes of the 2nd Special Session, preventing a government shut down over the 4th of July weekend.

◊ A Transportation package appears to be a possibility during the current session.

(Continued on page 10)
Annual Committee Reports, cont’d

(Continued from page 9)
State law RCW 38.52.180. This law is meant to provide good Samaritan coverage for NGO’s and coordinators preparing for a disaster. With final approval and signatures the law will be sent to the AELC for presentation to the State Legislature. Changes are due by July 15, 2015.

The Legislative Committee will be helping move these changes through the legislature. If you would like more information please contact Tim at timn@starseismic.net.

Sustainability

The Sustainability Committee seeks to educate members in the aspects of sustainable design that impact structural engineering, including codes, local projects, design trends, and new technology. We conduct research and compile information to share with the committee and association at large via articles and lectures.

We hold face-to-face meetings in downtown Seattle every month, with a summer break. See the SEAW events calendar or Equilibrium for dates and topics. Web and voice conferencing are available for those who are interested in joining remotely. There are about 10 active committee members with an additional 40 corresponding members.

In addition to regular meetings, we have toured local projects hosted by the design teams. This year, we toured AutoSport, an adaptive reuse project in South Lake Union (Lund Op-sahl) and Block 34, a new building with historic façade preservation (CPL), also in SLU.

The past year has focused on energy use and carbon impacts. These impacts are related to the ongoing operational energy use as well as the energy and materials used to construct a building. The commit-

tee has:

◊ Published an Equilibrium article on the energy code and provisions about continuous insulation. (Rachel Vranzian/CPL)
◊ Attended a thermal bridging seminar as a committee as part of the energy code work.
◊ Hosted meetings with Architecture 2030, Climate Earth, and MKA on the latest developments in Life Cycle Analysis (LCA) for buildings, and in particular the role and future of Environmental Product Declarations (EPDs) – the ‘nutrition label’ for environmental impacts of building products.

Looking forward, we are working on a project with concrete mix designs to use as a baseline for LCA activities. Our research on thermal bridging will continue, including keeping in touch with NWCMC on their efforts to modify the energy code to account for items like veneer brick ties. The committee is also planning activities related to the expanding use of LEED v4 when the old version sunsets in October 2016.

Additional committee information, upcoming events, and other news and resources are posted to our committee blog at http://seawsustainability.blogspot.com, or contact Kyle Steuck (ksteuck@degenkolb.com) for more information.

Public Information

1. Facebook.
   Our Facebook page is doing a little better. We are currently at 1,774 ‘Likes.’ Finally, because I was beginning to despair that we would ever get off the ground. The question always is, “If you tag me in a photo, will everyone one in the universe be able to see the picture? And will it steal my soul?” The answer is, yes, everyone will be able to see your picture. But it probably won’t steal your soul. So what does that 1,774 number mean? Well, since the average person has about (100) friends, it means that we can reach quite a few people with every post.

Now what we need is content, that is stories. For Facebook, that means a few pictures with a paragraph. The pictures need to have a description and the names of the people. The best photos, that is the photos that generate the most interest are ones with people doing interesting things. Like our recent site visit on the new section of Light Rail Station at Angle Lake to the South of SeaTac which shows our own Scott Douglas who pronounced the rails “Afgan Good.” – 466 ‘Likes.’

Here is the link to the picture of Scott:
https://www.facebook.com/148377318650886/photos/a.27492702265281.1073741835.148377318650886/469679863187295/?type=1&theater

Not as good as the Facebook page for USMA at West Point, but better than last year. And please! Don’t post a picture of a meeting! Unless people are engaged in doing something interesting.

The people I talk to say they are all interested in hearing about SEAW and our work. This is your opportunity to show the community a little about your company or the work you do. You can post a connection detail you designed or a photo of some archaic framing you found during an assessment of an old building. Anything about engineering. Don’t try to make it perfect. Just take the picture, write a sentence, then post it. Done!

2. PIC Communications.
   I attempted to switch communications to Facebook and then to Google Groups. Well, that flopped. Sorry about that guys. We are going back to email until we can find something better.

   I was asked to form a committee of volunteers who were committed to participating in PSEC Mentor night. We currently have twelve and we can field four engineers to any Mentor Night. We had two successful Mentor Nights and we had a lot of fun answering questions from university students who were interesting in studying civil/structural engineering. It was a great way to get to know other members SEAW.

Shalini Prochazka from Simpson Strong-Tie participated and brought samples of Simpson connectors.

Noopur Jain from AECOM brought a 3D model of the bridge she was working on.

Tim Nordstrom from StarSeismic brought structural drawings and an Excel spreadsheet and showed an interactive design for a BRB’s.

Darrell Staaaleson from Staaaleson Engineering, P.C. brought a structural drawing of a heavy timber truss with shear plate connections and a mockup of the shear plate assembly.

The students were greatly interested in all our presentations. And I think our enthusiasm for structural engineering was contagious. We are looking forward to doing six Mentor Nights next year.

Darrell Staaaleson, P.E., S.E. dstaal@staaleng.com

Professional Practices

The committee has been on hiatus and will resume in August. Contact Mike Bramhall, chair, at mbramhall@case4n6.com for information.

(Continued on page 11)
Annual Committee Reports, cont’d

Scholarship

The SEAW Scholarship Committee has been active over the past year promoting the scholarship to university students, reviewing applications, and interviewing candidates. Current membership consists of Siri Ashworth, Jessica Jeness, Bill Moosiker, Dave Peden, Ben Piermattei, and Kevin Solberg. The committee reviewed six applications in March for the 2015 award. The students were from UW (1), WSU (1), Gonzaga (2), and Seattle University (2). Three candidates were shortlisted and interviewed on April 15th. The committee unanimously voted for two candidates to receive a scholarship award. A biography of the recipients can be found elsewhere in this publication. Due to the national trend of increased tuition costs, the committee has recommended to the board that the scholarship award be increased to $5,000 (currently $3,000). This is slated to take effect starting with the 2016 award. The committee generally meets via conference call at various intervals throughout the year, with the busiest time between December and April. The committee conducts candidate interviews in Seattle and/or Spokane member offices. Dave Peden stepped down as chair in 2014, but remains an active member of the committee. We thank him for his dedicated leadership and service to SEAW.

Kevin Solberg, Chair
ksolberg@mka.com

Wind Engineering

The SEAW Wind Engineering Committee (WEC), with 39 members on the mailing list, has continued meeting every two months, typically on the third Thursday of the month in downtown Seattle. All WEC meetings are broadcast over Go-to-Meeting, thus if SEAW members are not able to participate in person they are encouraged to participate remotely, particularly members of the South Central or the Spokane Chapters who at present have no representation on the WEC. Don Scott, a SEAW Southwest Chapter Member, is the ASCE 7 Subcommittee on Wind Loads Chair. Don has summarized many of the change proposals and resulting committee votes for the soon to be published ASCE 7-16. At present ASCE 7-16 is scheduled to be out for public comment this coming October. Members should be prepared for significant changes to the ASCE 7-16 Wind Chapters, including changes in the wind speed maps, component and cladding factors, and added design criteria for attached canopies. At present the committee is working on an alternative approach to determine Exposure D in the Puget Sound Area. This approach will not be as general or conservative as the present ASCE 7-10 Section 26.7.3. A white paper may be developed to document this alternate approach.

The committee has also started generating Kzt maps, similar to those already developed for the cities of Seattle, Tacoma, and Mercer Island. These are being developed for jurisdictions that are willing to adopt the maps as part of their code. These maps are conservative, the maps will make clear that the structural engineer will always have the option of calculating more precise Kzt values.

The last item on the WEC’s agenda is to quantify wind speeds for the special wind regions along the Washington Coast and Columbia River Basin. At present the SEAOC Wind Committee is addressing their special wind regions in California. The SEAW WEC will be monitoring SEAOC’s various approaches on this effort before embarking on this task.

All members, whatever their level of experience, are encouraged to participate at in WEC meetings either in person or via Go-to-Meeting. Please contact the WEC chair, Scott Douglas sdouglasscott@gmail.com, to join the WEC and to receive information on Committee activities and actions.

WABO-SEAW

The SEAW/WABO committee continues to meet once a month with about five SE's and five WABO representatives present at any given meeting. The primary effort has been the production of White Papers on various issues that warrant attention from the WABO or SEAW members. These White Papers can be found on the SEAW website and should be of interest to all.

White Paper 11 on the subject of “Designing for Heavy Vehicle Loads on vaults, bridges, buildings and structures” was issued in March.

White Paper 10 on the subject of “Guards and Connections” was issued last year and highlights the need for proper structural design of guards.

The committee is currently working on several new White Papers including design for ballasted rooftop elements such as solar panels; deferred submittals; and design procedures for wood frame on podium structures.

Previous White Papers have addressed such interesting topics such as plan review philosophy, electronic signatures, permit submittal requirements, and design of hold-downs in podium wood frame structures.

We typically meet from 11:30 to 1:00 on the second Thursday of the month at Bellevue City Hall. Contact person is Charlie Griffes, charlie@ctengineering.com.

Building Engineering

The Building Engineering Committee (BEC) is looking for practicing structural engineers to participate in our committee. Join us! We meet periodically throughout the year with the practicing engineers in this state on code development and clarifications. We also advise on future code changes to NCSEA. The BEC needs your participation! Conference calling and remote access will be made available. We invite enthusiastic and ambitious structural engineers from across the state to join us in making a difference. Contact Chris Duvall for more information: 206-618-6063 or chrisd@cplinc.com.

State Finance Report

As Lynnell’s planned retirement approaches, the State and Seattle Chapter leadership have decided to contract with a firm that specializes in management of non-profits organizations to handle the executive and administrative functions that Lynnell has provided for many years. Lynnell and your treasurer will be working with the new firm during the transition, which will include changing the bookkeeping from Quicken to QuickBooks. We’re expecting the Treasurer position to become even more of an oversight position than it is now.

Each year the State Treasurer develops a budget and cash flow projections so the board can understand the financial conditions the organization is likely to encounter during the year. I’m sure no one will be surprised to hear that the expenses of the organization go up a little every year. A modest dues increase of $10 per year for the state organization was approved and went into effect.

(Continued on page 12)
last year. The increased income from the dues increase helps pay for the expenses of the organization, but dues income alone doesn’t come close to paying our expenses.

Income from SEAW Continuing Education Seminars provides a critical but highly variable amount of income, depending on how many seminars are presented and how many people attend them. Gross income from a couple major seminars sometimes exceeds the State’s annual dues income. SEAW’s intent is to present at least two major seminars each year, in addition to periodic ATC-20 and ATC-45 presentations. However, last fall the NW Conference technical program was the focus of the committee and we didn’t have a State-sponsored fall seminar. Unfortunately for the State, net proceeds from the NW Conference are split among the member organizations, which in Washington is the Chapters and not the State. This spring’s intended State seminar didn’t happen either. Our Continuing Education committee is now, as directed by the State Board, developing an all-day seminar on a variety of Foundation Systems. We’re eagerly looking forward to that event, both in terms of it being a valuable educational experience and it being a much needed financial boost to SEAW. SEAW seminars provide among the most PDHs for the buck. More importantly, our volunteer colleague presenters provide us with the best and most useful information per hour of our time. I wouldn’t want to miss this one. I’m also looking forward to the symposium being planned by our members who were involved with the earthquake disaster relief work in Nepal. Watch for information about it.

As usual, The State SEAW provides funding to continue the work of the Earthquake Engineering Committee, the newly reactivated Wind Engineering and Building Engineering Committees, the Education Committee, the Scholarship Committee, the Disaster Preparedness and Response Committees, the Existing Building Committee, and the Public Information, Snow Load and Sustainability Committees; to support the Architect Engineer Legislative Council, National Council of Structural Engineers Associations and Western Council organizations; to produce a newsletter; and to support the scholarship fund and administrative functions. The Technology Committee continues to improve the website and database.

Thanks to all who serve on all the committees for the benefit of our profession. We still have 143 members who have not paid their 2015 dues. If you’re one of them...please pay your dues. You will find directions for logging in and paying elsewhere in this newsletter. SEAW thanks all of you who have already paid.

Please contact me with any questions you may have about SEAW’s finances.

Ted Smith, Treasurer
smith@smithhustoninc.com

Snow Load Engineering

The past year has been a transition year for the Snow Load Engineering Committee. Committee chair John Tate resigned his post after many years of service, and his former position remained vacant for several months before Matt Leslie, of the South Central Chapter, volunteered as the new committee chair. So far, aside from Mr. Leslie, there are no other official members of the committee, although some SEAW members have expressed an interest, and no meetings have been held since the transition.

It is anticipated that the upcoming year will be fairly eventful, as the Committee is planning on beginning the process of updating the current SEAW Snow Load Map to include more recent snowfall data, including the significant 1996-97 snow event.

Anybody interested in joining the Snow Load Committee is encouraged to contact Matt Leslie, matt@leslieengineering.com.

First Annual ASCE/SEAW Golf Tournament

Friday, August 28, 2015

Willows Run Golf Club, Redmond, WA

11:00 AM
11:30 AM—12:45 PM
1:00 PM—6:00 PM
6:00 PM—7:00 PM

Event check-in opens
Putting contest; driving range open
Golf Tournament
Dinner social, award ceremony and raffle

The Younger Member Forums of ASCE and SEAW have joined forces to hold this first annual joint golf tournament. All are welcome! Bring your clients and colleagues for a fun afternoon of golfing and enjoying our beautiful summer weather. Cost is $150 per person, or $500 per team. For complete information, including registration and sponsor opportunities, visit

http://www.seattleasce.org/ymf/ymf_golf_tournament.php
SEAW Strategic Plan
Since being approved in early 2012, the SEAW Strategic Plan has served as a valuable document for the State Board. The five main goals identified in the plan have become regular agenda items that guide each board meeting. One of my roles as Past President over the last year was to serve as “strategic plan monitor.” In this capacity I provided regular status updates to the board on progress towards the following goals:

Continuing Education/Professional Development
Developing and delivering educational opportunities for members is a core function of SEAW. Our members ranked this most-highly in the surveys leading up to the 2011 strategic planning activities. The board recognizes this importance and places high priority on ensuring regular access to seminars with a goal of having two state-wide offerings annually. Much of the planning work for these seminars takes place within the Education Committee who then coordinates with other committees or groups for developing the technical content.

Membership Growth and Engagement
A sign of a healthy member organization is the overall growth and engagement of the membership. Our members typically engage with the organization during committee meetings, lunch/dinner meetings, and seminars. The state board maintains focus on having an engaged membership as a vehicle for sustained growth. SEAW will likely surpass 1,000 members for the first time in the very near future, this indicates that one of the major benefits being a member of NCSEA is that you are entitled to receive discounts up to 25% (ICC member rates) on publications purchased through ICC, including Building Codes and referenced standards since SEAW is a member organization of NCSEA.

This year’s NCSEA annual conference will be held in Las Vegas, NV from September 30 to October 3. The annual conference has been renamed to NCSEA Structural Engineering Summit to reflect that there are many seminars/workshops that will provide valuable continuing education opportunities. Take a look at the web site www.ncsea.com for additional information regarding this year annual conference and other NCSEA-sponsored upcoming events, including webinars and seminars.

On the continuing education side, NCSEA offers to members only (members of NCSEA Member Organizations, Affiliate, Associate or Sustaining Members), unlimited access to all live webinars over the course of one year. Cost is $750 per subscriber per year. This is an economical way to obtain continuing education if you are on your own or is a small firm. Please visit NCSEA website for detail information on this offer.

NCSEA welcomes volunteers that are willing to actively serve to promote the cause of structural engineering by participating on one of the committees. Opportunities for you as NCSEA member to serve on a committee are posted each fall. If you are interested in getting involved with an NCSEA committee, please check out the web site at www.ncsea.com for more information.

Submitted by Chun Lau, SEAW Delegate to NCSEA  

Respectfully submitted,  
Cale Ash  
2014-15 SEAW Strategic Plan Monitor

Western Council
The Seattle Chapter hosted the 2014 Northwest Conference of Structural Engineers at the Grand Hyatt in September of last year. Peter Somers, conference chair, and his committee presented an educational, technical, and professional conference which had great opportunities for social interaction. The Structural Engineers Foundation of Washington provided its 2015 Forum as the Thursday night program. The Friday night dinner and cruise on Lake Washington provided a great way to wrap up the conference and unwind.

The Northwest Conference Council (NWCC) met on September 18, 2014. The SEAI, as the next conference host chaired the meeting. The NWCC is the policy making body for the annual conferences. SEAI will host the 2015 Conference in downtown Boise on July 16-18. The conference theme is “Jump Into the Future”, I hope to see many of you there.

-Ed Huston, NWCC Seattle Chapter Representative

huston@smithhustoninc.com

NCSEA Strategic Plan
Since being approved in early 2012, the SEAW Strategic Plan has served as a valuable document for the State Board. The five main goals identified in the plan have become regular agenda items that guide each board meeting. One of my roles as Past President over the last year was to serve as “strategic plan monitor.” In this capacity I provided regular status updates to the board on progress towards the following goals:

Continuing Education/Professional Development
Developing and delivering educational opportunities for members is a core function of SEAW. Our members ranked this most-highly in the surveys leading up to the 2011 strategic planning activities. The board recognizes this importance and places high priority on ensuring regular access to seminars with a goal of having two state-wide offerings annually. Much of the planning work for these seminars takes place within the Education Committee who then coordinates with other committees or groups for developing the technical content.

Membership Growth and Engagement
A sign of a healthy member organization is the overall growth and engagement of the membership. Our members typically engage with the organization during committee meetings, lunch/dinner meetings, and seminars. The state board maintains focus on having an engaged membership as a vehicle for sustained growth. SEAW will likely surpass 1,000 members for the first time in the very near future, this indicates that one of the major benefits being a member of NCSEA is that you are entitled to receive discounts up to 25% (ICC member rates) on publications purchased through ICC, including Building Codes and referenced standards since SEAW is a member organization of NCSEA.

This year’s NCSEA annual conference will be held in Las Vegas, NV from September 30 to October 3. The annual conference has been renamed to NCSEA Structural Engineering Summit to reflect that there are many seminars/workshops that will provide valuable continuing education opportunities. Take a look at the web site www.ncsea.com for additional information regarding this year annual conference and other NCSEA-sponsored upcoming events, including webinars and seminars.

On the continuing education side, NCSEA offers to members only (members of NCSEA Member Organizations, Affiliate, Associate or Sustaining Members), unlimited access to all live webinars over the course of one year. Cost is $750 per subscriber per year. This is an economical way to obtain continuing education if you are on your own or is a small firm. Please visit NCSEA website for detail information on this offer.

NCSEA welcomes volunteers that are willing to actively serve to promote the cause of structural engineering by participating on one of the committees. Opportunities for you as NCSEA member to serve on a committee are posted each fall. If you are interested in getting involved with an NCSEA committee, please check out the web site at www.ncsea.com for more information.

Submitted by Chun Lau, SEAW Delegate to NCSEA
News of Note

SEAOC Annual Convention coming to Bellevue, September 9-12

This year, the annual Structural Engineers Association of California Convention will be held at the Hyatt in Bellevue, and we are excited to collaborate and share knowledge with our colleagues in the great Northwest. The convention starts on Wednesday, September 9th and runs through Saturday, September 12th. We are encouraging our younger members to attend by offering special events and sessions, a Young Member Mentor Roundtable and Design Competition, and a discounted registration. Here are some highlights:


Friday: Four (4) Technical Tracks (AM and PM), Business Lunch, Cruise Around the World Dinner.

Saturday: President’s Cup, Convention Golf Tournament at China Creek, Young Member Design Competition.

Register today before Discount Registration period ends, on August 15th. http://convention.seaoc.org We hope to see you in Seattle!

Bob Glasgow, M.S., S.E. Chair 2015 SEAOC Convention

SEAW Online Member Profile Tips

Renew Membership and Pay Dues:
- Log in to the SEAW website
- Click the “My Membership” link
- Click “Pay My Dues” On the payment page, you’ll have a choice to pay online or receive an invoice by email. You can forward your invoice to your accounts payable person, who can then click on the “Pay Now” link and pay online without needing your log in information.

Lost Password?
- Click on member login on home page
- Click “Forgot your password?” link in the login area and enter the email address that SEAW uses to contact you. Your login information will be emailed to you. If you no longer have access to that email address, contact the SEAW office at seaw@seaw.org.

Update Member Profile Information:
- Log in. The “Hello” page will show your name, chapter, membership classification and membership expiration date. (Life and Honorary members have no expiration date).
- Click on the “My Membership” link under the Hello banner
- Hover over the “My Profile” tab and select “Edit Profile” to view editable fields.
- Select and type over old information, or enter information in blank areas. Note that under “Other Information” near the bottom of the page, members can enter date of last ATC training, update education and degrees, and licensing information. In addition, Member PEs and SEs can opt to be listed on the Residential Engineers list.
- When finished, scroll to the bottom of the page and click “Save”

Change Membership Classification:
- Membership Classifications are not editable by members. Email the SEAW office at seaw@seaw.org to request classification changes or transfers to another chapter.

SEAW 2015 Membership Statistics

<table>
<thead>
<tr>
<th></th>
<th>Seattle</th>
<th>Southwest</th>
<th>Spokane</th>
<th>S. Central</th>
<th>Total State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member SEs</td>
<td>333</td>
<td>57</td>
<td>40</td>
<td>7</td>
<td>437</td>
</tr>
<tr>
<td>Member PEs</td>
<td>145</td>
<td>25</td>
<td>37</td>
<td>25</td>
<td>232</td>
</tr>
<tr>
<td>Associates</td>
<td>121</td>
<td>7</td>
<td>18</td>
<td>0</td>
<td>146</td>
</tr>
<tr>
<td>Affiliates</td>
<td>27</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>39</td>
</tr>
<tr>
<td>Life Members</td>
<td>47</td>
<td>5</td>
<td>12</td>
<td>0</td>
<td>64</td>
</tr>
<tr>
<td>Honorary</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Students</td>
<td>16</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Complimentary</td>
<td>5</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>702</strong></td>
<td><strong>100</strong></td>
<td><strong>116</strong></td>
<td><strong>35</strong></td>
<td><strong>953</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>As of 7/10/15</td>
<td>695</td>
<td>702</td>
<td>114</td>
<td>35</td>
<td>944</td>
</tr>
</tbody>
</table>
Opportunities

Field Engineer, Seattle
Simpson Strong-Tie is looking for a motivated individual to join our team. We are currently hiring for a Field Engineer position based out of the Seattle, WA area. For more information please visit our webpage www.strongtie.com and to apply today!

Opportunities for Mid-level Design Engineer and Senior Project Manager:
Seattle Structural is a downtown Seattle firm looking for qualified professionals to join our talented group practicing across a number of different industries. Seattle Structural offers an excellent opportunity to work on a variety of public and private institutional, healthcare, educational, and commercial projects both domestically and internationally. We offer a competitive salary and a relaxed, collaborative work environment. 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.

Seattle Structural is an Equal Opportunity Employer.
We are filling two positions. Candidates must meet the following requirements:
• Mid-level Designer: 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, 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.

Please address inquiries to:
Howard Burton, President
Seattle Structural PS Inc.
1420 Fifth Avenue, Suite 425
Seattle, WA 98101
HBurton@SeattleStructural.com

SE Entry Level and Project SE positions, Everett
REID MIDDLETON, INC., a Top 25 Puget Sound civil and structural engineering firm based in Everett, Washington with a 60-year history of service to public and private clients throughout the Pacific Rim, including Hawaii and Alaska is seeking Entry Level Engineers and a Project Structural Engineer.

To apply, send a cover letter and resume to jobs@reidmiddleton.com.

Entry Level Engineers, Structural Engineering:
We are looking for two highly qualified and motivated entry-level engineers (Designers) to join our structural engineering team. Requirements for this position include the following:
• Bachelor’s Degree in Civil or Structural Engineering.
• Licensing as an Engineer-In-Training.
• Knowledge of AutoCAD and Microsoft Office software.
• Master’s Degree in Structural Engineering (preferred).
• Experience with structural analyses and design software such as Visual Analyses, ETABS, SAP, SAFE, Perform 3D, and Revit Building Information Modeling (BIM) software (preferred).

The successful candidate must possess excellent interpersonal and communication skills and the ability to participate within a team of engineers and drafters to engage in structural analysis and design of structural systems in concrete, wood, masonry, and steel.

The candidate must have the ability to work collaboratively in
Opportunities, cont’d

a team environment and the ability to work independently as well. We are looking for problem solvers.

Project Structural Engineer:
Qualified candidate must have a Bachelor’s Degree in Civil or Structural Engineering or related field of study plus 4-12 years of experience in the duties of the job offered, or eight years of experience as a Structural Engineer, with experience in the following:
  • Developing project proposals, budgets, estimates, and schedules
  • Structural modeling, analysis and design of civil engineering and construction projects utilizing structural engineering principles, including static and dynamic behavior and stability of structures, and computer assisted modeling, analysis and design software
  • Producing construction drawings, reports, and specifications
  • Design of military, healthcare, education, commercial and civic facilities
  • Completing seismic screenings, evaluations, rehabilitation, and upgrades using ASCE 31 and ASCE 41
  • Construction administration during build phases

Must be registered as a Professional Engineer in the State of Washington (Structural Engineer preferred)

The successful candidate possesses excellent interpersonal and communication skills, the ability to lead a team of engineers and drafters to engage in the structural modeling, analysis and design of structural, waterfront, and civil projects, the ability to work collaboratively in a team environment and the ability to work independently and use initiative to find solutions to problems. Required computer skills include knowledge of REVIT BIM, AutoCad, ETABS, Word, Excel and Power Point software. Other desirable skills include proficiency and practical experience with SAP and Visual Analysis applications and familiarity with permitting and grant assistance.

About the Company: Established in 1953, Reid Middleton is an employee-owned, nationally-recognized Civil and Structural Engineering, Planning, and Surveying firm. We are headquartered in south Everett with offices also in Anchorage, AK and Honolulu, HI and with significant work in San Diego, CA. Our north-end location offers an easier, more convenient and affordable lifestyle than found in other Puget Sound urban communities. Our firm’s market-focused organization includes a diverse portfolio of Aviation, Civic/Municipal, Commercial, Education, Healthcare, Industrial, Military, Transportation and waterfront projects. To learn more about us, visit our website at www.reidmiddleton.com. We are also on Facebook and LinkedIn; links to these sites and our Reid Our Blog are on the home page of our website.

Reid Middleton is a federal contractor subject to the requirements of the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA). EO/Minorities/Females/Veterans/Disabled

Structural Engineers, Portland, OR
KPFF Portland is looking for both 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 do it all. 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. KPFF is experiencing solid growth and continues to innovate and adapt to better serve our clients. We are a group of dedicated, friendly, collaborative, hard-working professionals and we are looking for exceptional engineers to join us.

Please use the appropriate link below to view the job details and apply.

Our current projects include:
  • Airports
  • Arenas/Stadiums
  • High-Rise Structures
  • Mixed-Use Developments
  • Commercial Developments

Project 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

Location: Portland, OR
KPFF is an equal opportunity employer

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 engineers and 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 do it all. 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. KPFF is experiencing solid growth and continues to innovate and adapt to better serve our clients. We are a group of dedicated, friendly, collaborative, hard-working engineers and we are looking for exceptional engineers to join us.

Please use the appropriate link below to view the job details and apply.

Our current projects include:
  • Airports
  • Arenas/Stadiums
  • Commercial Developments
  • Mixed-Use Developments
  • Corporate Campuses

BIM / CAD Modeler apply here:
http://chc.tbe.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=96

Location: Portland, OR
KPFF is an equal opportunity employer
In accordance with SEAW bylaws, membership applications are vetted by the Membership Committee, granted probationary status by the chapter board, and posted for membership comment. Membership is considered accepted 30 days after posting if current year dues are paid and no member objections have been received.

**Membership Postings**

Chris Aunan  
Spokane Associate  
Coffman Engineers  
University of Portland  
BSCE, May 2015  
WA EIT  

Nathan A Bonck  
Seattle Associate  
Seattle Structural  
U of Wyoming AE/Str, May 2013  
WY EIT

Koren Copps  
Seattle Associate  
Cary Kopczynski & Company  
University of Florida, BSCE  
2001, MSCE 2003  
FL PE

Carl Harris  
Seattle Associate  
DCI Engineers  
WSU, BSCE expected Fall 2015  
WA EIT

Charlie D Misner  
Seattle Associate  
KPFF Consulting Engineers  
WSU, BSCE, December 2012; MSCE, December 2014  
WA EIT

Timothy Patrick Olson  
Spokane Member PE  
Coffman Engineers  
WSU, BSCE, 2009; MSCE, 2010  
WA, MT PE

Hillary Tervet  
Seattle Student  
Seattle University, BSCE 2015; MSCE expected 2016

Kevin S Vaughn  
Seattle Affiliate  
Sika Corporation  
University of Washington, BA Political Science, 1996

Jonathon Waldrip  
Seattle Student  
WSU, BSCE 2014; MSCE expected 2016

---

**2015 SEAOC Convention Annual Golf Tournament**

China Creek @ Newcastle Golf Club  
Saturday, September 12 • 7:30am – 2:30pm  
Cost: $175/ $150 for convention attendees

Sponsorship Opportunities Available:
- Hole Sponsor - $250 (18 Available)
- Longest Drive - $500 (1 Available)
- Closest to Pin - $500 (1 Available)
- 1st Place Gross Score: $250 (1 Available)
- 1st Place Net Score: $250 (1 Available)
- Fully Sponsored Four-worm - $1,000 (4 Available)

For additional information contact:  
Soen Min Koen: skoen@minskointernational.com

Join your friends and colleagues for a round of golf at the Golf Club at Newcastle-China Creeks.  
Transportation will be provided from the hotel early Saturday morning for a shotgun start at this well known local Golf Club.  
Prizes to be awarded for 1st place, longest drive and closest to the pin.  
Lunch is included in the golf registration price.