EQUILIBRIUM

Newsletter of the Seattle Chapter
Structural Engineers Association of Washington

February 2014

In This Issue

WA ACI Chapter Hosts Joint Meeting with SEAW Seattle Chapter

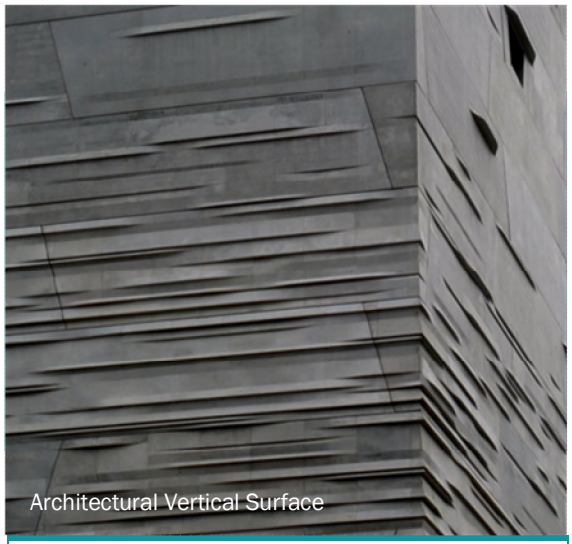
As hosts of our joint meeting this year, WA ACI has selected "Architectural Vertical Concrete Finishes—Getting Good Outcomes" as the featured topic of discussion. Tony Kiehle, Superintendent with Lease Crutcher Lewis and Nick Steinberg with CalPortland will lead the discussion on how we can manage methods, materials, and expectations to accomplish the best in architectural decorative concrete surface finishes.

Since 1939, Lease Crutcher Lewis has been a part of the region's tremendous growth and development. Local and noteworthy project history includes the original Sea-Tac Main Terminal, the new Amazon headquarters, and historic renovations such as Garfield High School. Lewis builds a diverse range of projects and has become one of Seattle's largest local contractors.

CalPortland Company is a major building materials and construction solutions provider to the Western United States and Canada with expertise in cement production, distribution, ready mix concrete, aggregate, asphalt, and other building materials. CalPortland is committed to the advancement of sustainable materials and renewable technologies and has been recognized by US EPA ENERGY STAR for nine consecutive years (2005-2013) for their commitment to energy efficiency.

The presentation will focus on strategies to obtain good architectural concrete finishes including means, methods, and materials. Our presentation will track the strategy on how the concrete project team prepared to exceed project finish expectations and their process to fine tune onsite outcomes and expectations.

Join us for a look at managing methods, materials, and expectations to accomplish the best in architectural decorative concrete surface finishes. *It takes a team.*



Architectural Vertical Surface

Meeting Information:

Date: Wednesday, February 19, 2014

Place: Rock Bottom Restaurant & Brewery
1333 5th Avenue, Downtown Seattle

Time:

5:00 PM	Registration Opens
5:30 PM	Networking Reception with No-Host Bar
6:30 PM	Dinner Buffet
7:15 PM	Program

Menu: Buffet-Style Dinner included in Registration Fee

Price: $45.00 Members
$55.00 Non-Members
$15.00 Students

Member rate is extended to ACI and SEA members only. No-shows and cancellations after Feb. 17 are not refundable.

Register online at
www.washingtonconcrete.org/events

For more information:
Contact: Nikki Blasé
Phone: 206.878.1622
Email: nblase@washingtonconcrete.org

From the Board: Let's Talk about Dues

By Ted Smith

After nine years without a dues increase, the Treasurer requested that the State and Seattle Chapter boards consider proposing a $10 per year dues increase for each. We had been watching the organizations' account balances gradually dwindling and after postponing an increase for as long as seemed wise, decided it was time to request dues increases. Changing the dues requires chapter and state bylaws changes, by votes of the members. In the case of the state dues, ratification by all chapters was required. Traditionally the votes have been at monthly meetings attended by more active members and the votes generally have been unanimous. This time the boards decided to broaden participation by utilizing our new website's ability to handle online voting. The members still strongly approved the dues increase with about 85% voting in favor. Favorable voting for the state increase was even stronger in the Spokane, SC and SW chapters. SEAW exists to support its members and our practices. Thanks to all you members who support our organization by paying your dues, and even more to all of you who also participate in committees, seminars, boards, YMF, and all our other amazing volunteer efforts.

One of the most important functions of SEAW is providing opportunities for us to keep up-to-date on technical and professional issues. In 2013 SEAW presented two major seminars on seismic design and wind design. Don't miss the 2014 Spring Seminar about ASCE-41, or all the technical sessions at the NW Conference in Seattle this September! The last downtown Seattle NW Conference in 2007 was incredible.

The Structural Engineers Foundation of Washington (SEFW), our 501(c)3 charitable corporation, presented its third annual free Fall Forum on high-rise wood structures and is working on plans for the 2014 Forum. The foundation also maintains the funds for the SEAW scholarship program. Please consider a donation to the foundation to support scholarships and other activities, especially if your company pays your dues, or if you are a Life Member (like me) and no longer have to pay dues. While the foundation gets some support from other sources, the biggest supporters are structural engineers, structural engineering companies, and SEAW.

Best to you all for a prosperous 2014,
Ted Smith, Treasurer

Ted Smith is a Life Member of SEAW, and a principal of Smith and Huston Inc. Ted can be reached at smith@smithhustoninc.com.

Go Hawks!

Super Bowl XLVIII Champs!

Ted and Barb Celebrate Malcolm Smith's interception and TD

$3,000

Structural Engineering Scholarships

SEAW is offering $3,000 scholarships to current college or university students majoring in structural engineering.

Applicants must be:

- **U.S. citizen and resident of Washington State**
- **Senior undergraduate or graduate student**
- **Enrolled in a program of study majoring in structural engineering**
- **Having a commitment to making a career in the practice of structural engineering**

Scholarship application materials are posted on the web at www.seaw.org, and can be obtained by e-mailing seaw@seaw.org or by phoning 206/682-6026.

Application deadline for the 2014 award is February 28.

YMF Corner

By Tyler Kurz

Just starting out your career in structural engineering? Want to get connected with the professional community around you? The SEAW Younger Members Forum is a great way to network with other younger structural engineering professionals outside of your own firm.

All are encourage to attend the events which include monthly happy hours in Seattle and on the Eastside and various volunteer events throughout the year. While we encourage membership in the SEAW, it isn't required to be able to participate and get involved with the YMF.

Happy Hours

Happy hours are a great place to meet other engineers outside of your own firm. It is a very relaxed setting where you have the opportunity to see what kinds of projects your peers are working on, to be able to talk about similar engineering problems you may be facing, or to just let off some steam with people who understand what it's like to work as an engineer. The happy hours are also a great way to become involved with the various technical committees within the SEAW. Often times committee chairs will attend the monthly happy hours. They are a wealth of knowledge and are usually looking for people to join their committees. Many young engineers believe that they are lacking the experience required to become involved in the committees when just the opposite is true. Most of the time they are looking for young energetic talent to contribute to the committees regardless of experience. They are also a fantastic way for younger engineers to get involved and continue to learn and grow within the profession. With all of these benefits, not to mention the free food, (Did I mention *FREE FOOD*?) it's hard to believe that there would be a good reason to not attend the monthly happy hours. Seattle happy hours are generally the second Tuesday of the month, with happy hours on the Eastside on the third Wednesday of the month. Reminders are sent out the YMF list serve, and are posted in the monthly equilibrium.

Volunteer Events

Throughout the year the YMF will provide opportunities to give back to the community. One such activity is volunteering with Habitat for Humanity. At least once a year the YMF will get a group of structural engineers together to volunteer on one of the Habitat for Humanity build sites. This is a great opportunity to provide service to those in need, and is also a chance to see what you put on paper everyday up close in real life. Another annual volunteer event the YMF is involved with, is the Puget Sound Engineering Council annual engineering fair. The YMF operates a booth where we are able to explain to children and their parents what exactly it is that structural engineers do. In the past the kids have been engaged by building structures from marshmallows and sticks and have been able to submit them to earthquakes on a small shake table.

If you would like to get involved with the YMF or would like to find out more information about the up and coming happy hours, send an email to SEAWYMF@gmail.com.

Committee Corner

Building Engineering Committee:

What changes would you make to the IBC?

SEAW is restarting the Building Engineering Committee (BEC). There are no ICC code change hearings this year so the NCSEA Code Advisory Committee, General Requirements Subcommittee is in planning mode to begin to develop code change proposals for the 2018 IBC. The SEAW Building Engineering Committee is the local counterpart of the General Requirements Subcommittee, and we have been asked to provide input to the national committee. We will have a meeting on March 5, 2014, to start this process. We will meet at the offices of Coughlin Porter Lundeen in Seattle at noon. There will be a convenient GoToMeeting option available for those willing individuals who are not able to attend in person.

Chris Duvall has agreed to chair the revitalized BEC, which will gather the hot button issues that surface, vet them, and forward some of the more feasible ones to the various subcommittees of the NCSEA Code Advisory Committees. There will be a dialogue between the SEAW committees and the NCSEA committees to determine the best way forward for your improvements.

Further down the road, the BEC will assist the NCSEA General Requirements Subcommittee in reviewing and establishing positions on the various code change proposals submitted by others outside this committee.

To get involved, please contact Chris Duvall: chrisd@cplinc.com or 206.343.0460.

Here is your chance to be heard. Come to the meeting, and help make the code a better one!

(A listing of Committees and Chairs can be found on Page 8)

Upcoming YMF Event

Feb 11 Happy Hour, 5:00 PM
PF Chang's, Seattle

YMF Leadership

President:
Tyler Kurz
tkurz@dci-engineers.com

Vice President:
Kyle Holman
kholman@dci-engineers.com

Social Representative:
Chelsea Snodgrass
Snodgrass@jacobssf.com

Past Chair:
Jennifer Ahlport
jahlport@gmail.com

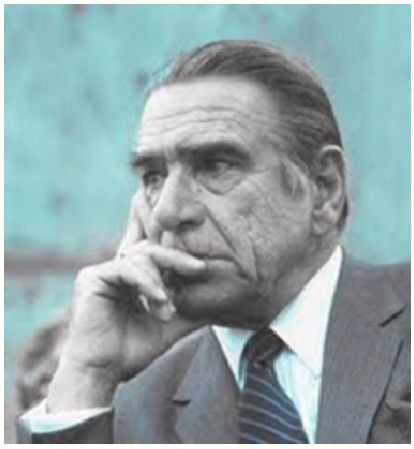
Outreach Representative:
Cal Bearman cfbearman@gmail.com

The Younger Member Forum provides networking and social opportunities to SEAW members 35 and under, as well as new non-member engineers and students. All SEAW members are welcome to participate in YMF functions.

In Memoriam

Arvid Grant

SEAW Southwest President 1966
b. 1920, d. January 18, 2014



Born in Latvia in 1920, Arvid Grant studied architecture and and engineering there, receiving an honorary doctorate from Riga Technical University. In 1951 he emigrated to the US with his family and settled in Olympia.

After working with the Western Bridge Construction firm in Seattle and the Washington State DOT, he established his engineering practice as Arvid Grant and Associates. His bridge engineering skills and self-taught surveying and HVAC/ mechanical engineering abilities supported his early private practice with clients in southwest Washington.

His design of the Cle Elum River Bridge received honors from the National Steel Bridge Alliance in 1966.

In 1978, in collaboration with the German firm of Leonhardt and Andra, Arvid Grant designed the Pasco-Kennewick Bridge (shown here, later designated a historic landmark and known as Ed Hendler Bridge) over the Columbia River, the first cable-stayed bridge in North America.

President Ronald Reagan honored the bridge with a Presidential Design Award.

As a founding member of SEAW Southwest, he served in 1966 as its second president. The Washington Society of Professional Engineers recognized him as Engineer of the Year in 1978.

His colleague David Goodyear notes, "Arvid believed that bridge engineering was a calling—one that required lifelong learning and dedication. For Arvid, bridge design was an avocation. He was an old-school engineer who lived for his work. He began each design with a pencil and a blank sheet of paper, first crafting a vision of of what the bridge design should be before the numbers constrained the image. ... He was equally proud of his applications with high-strength concrete and the creative bridge designs that dot the landscape of the Northwest."

The SEAW Seattle Chapter *Equilibrium* is published monthly from September through June and is available online at www.seaw.org. Articles, letters, and announcements are accepted by e-mail to seaw@seaw.org.

Advertising rates (prepaid) Help Wanted/Job wanted, max 200 words, $65; Display ads: Quarter page, $115; Half Page, $150; Full Page $190. 10% discount for ads running two or more months. Deadline is the 20th of the month. Contact SEAW for an advertising order form.

January Meeting Recap

By Cale Ash

On January 28th, the Seattle Chapter held its annual student outreach event at the University of Washington's Waterfront Activities Center. This year's program featured presentations from three Seattle University senior design capstone projects followed by two University of Washington graduate student research presentations.

Seattle University Senior Design Capstone Projects

City of Vernonia, Wasterwater Treatment Building Structural Design

Jane Johnson, Aleksey Koshman, Dylan LaRose, and Blake Rassilyer

Located northwest of Portland, the growing City of Vernonia is projecting a ten percent population increase by the end of the decade. To accommodate this growth, their wastewater treatment plant plans to add a new building for housing pump equipment. This senior design team will be assisting the city by performing structural design of the new building, which is currently planned to be a CMU bearing wall structure with metal deck and steel joist roof structure. Due to soft soils at the site, a mat foundation will be used and site preparation includes over-excavation of surface soils with subsequent surcharge loading to minimize future settlement. Design snow loads were obtained from the SEAO snow load analysis and the team also plans to explore sustainable design features such as straw bale wall construction and a green roof.

Replacement of Trout Creek Bridge 603

Daniel Carr, Khai Le, Trung Le, and Steve Liu

The existing Trout Creek bridge is located ten miles east of Granite Falls on the picturesque Mountain Loop Highway in Snohomish County. In prior assessment, the county characterized the existing structure to be structurally deficient due to deterioration of the timber-framed substructure. This senior design team will be exploring several options for the replacement bridge including concrete box culvert, bottomless arch, and precast girder systems. Currently located within a 100-year flood plain, the team must perform cut and fill calculations to raise the elevation of the bride above the flood plain, while also incorporating scour-resistant design features. The new bridge's location will be slightly adjusted to improve roadway alignment and sight distances while also allowing the existing bridge to remain in service during construction, the latter being a necessity for the small community served by the bridge crossing.

Seismic Evaluation of Canal Substation

John Anderson, Randal Anton, Keisuke Massey, and Garrett Skelton

Seattle City Light's Canal Substation in Ballard was originally built in 1927 with major expansions in 1943. This control building serves much of the Ballard neighborhood including the Chittenden Locks and Swedish Hospital. This senior design team will be assisting SCL with an ASCE 31 evaluation of the existing structure and development of rehabilitation concepts. The building structural systems consist of reinforced concrete shear walls and URM walls with tall story heights in the 1943 addition. Due to the critical facilities served by the substation, the selected performance objective consists of Immediate Occupancy performance in the BSE-1 event and Life Safety in the BSE-2 event.

University of Washington Research Presentations

Seismic Testing of Connections for Concrete-Filled Tube Bridge Piers

Max Stephens

With support from WSDOT and Caltrans, the University of Washington has a multi-year research program that supports the concept of rapid bridge construction using predominantly pre-cast concrete superstructure elements. PhD student Max Stephens provided an update on their latest results for the seismic performance of concrete-filled tubes and their connection to foundations and pre-cast cap beams. A CFT offers many advantages relative to a conventionally-reinforced column. The section may be of smaller diameter while offering the same strength and reducing labor cost associated with rebar cage fabrication. Additionally, CFTs offer superior ductility as the steel tube provides effective confinement for the concrete fill, which in turn significantly delays the onset of local buckling in the tube section. With an eye towards code implementation, this project will develop design expressions for CFT elements and provide foundation and cap beam connection detailing requirements.

Seismic Evaluation and Retrofit of Pre-1988 Braced Frames

Dan Sloat

As part of a project funded by NEES and AISC, the University of Washington is characterizing the likely seismic performance of older non-seismic concentrically-braced frames (NCBFs) and also exploring possible strengthening options for such buildings. NCBFs were largely designed before 1988 when the capacity design approach became codified and are expected to exhibit a brittle failure mechanism at relatively low lateral drift levels. Based on a building survey of west-coast NCBF structures, master's student Dan Sloat identified that the most common brittle failure modes included net section fracture at the brace-gusset connection and Whitmore gusset yielding at force levels below the expected tensile yield of the brace section. Such failures occurred in greater than 50% of the surveyed buildings and subsequent specimen tests found that braced frames with these deficiencies have drift capacities of 0.5% at the onset of brittle failures. The next phase of the research project will investigate possible strengthening measures to improve the seismic performance of these older structures.

All presenters were well prepared and gave a glimpse of the bright potential of our profession's future generation. Many thanks to the students and their faculty advisors for their help in another successful program.

Cale Ash is an Associate Principal with Degenkolb Engineers. He is the immediate past president of the Seattle Chapter and the current president of the State Association.

Meetings, Seminars and Announcements

Mark Your Calendar:

ATC-20/ATC-45 SAP Evaluator Class, Feb 12

The SEAW Disaster Preparedness and Response Committee will be offering an ATC-20/ATC-45 SAP Evaluator class on February 12 in Seattle. The all-day class will be held at the Union Square Boardroom at One Union Square, from 8:00 AM to 5:00 PM. Attendees will qualify for the Cal EMA Safety Assessment Program (SAP) Certification. Details and registration online at www.seaw.org .

Preliminary Announcement:

ASCE/SEI 41-13 Seminar: Seismic Evaluation and Retrofit of Existing Buildings

This seminar details the new ASCE/SEI 41-13 standard, which is a combination of ASCE 31-03 and ASCE 41-06. The new standard provides an updated methodology for evaluating and retrofitting existing buildings for earthquakes and eliminates significant inconsistencies between the two previous standards. The evaluation and retrofit processes are combined, and a three-tiered process for seismic evaluation is provided which can be applied to a range of building performance levels.

This presentation will act as an introduction to the new standard and a primer on its use. Attendees will learn about the underlying philosophy and history of the ASCE 31 and 41 standards. Nationally recognized speakers and contributors will present the following topics:

- General Provisions and the Combined Document
- Tier 1 Structural Provisions
- Tier 2 Structural Provisions
- Soil Structure Interaction and Foundations
- Masonry & Concrete Provisions
- Base Isolation & Energy Dissipation
- Steel Provisions
- Wood and Cold-Formed Provisions

This seminar will qualify for (6) PDH. Lunch will be provided.

This seminar will be held late April, early May 2014 in Tri-Cities, Spokane and Seattle. Exact dates will be released soon. Please visit seaw.org for updates.

Seattle Chapter Lunch & Learn, February 26

Seattle Chapter will present a lunchtime seminar on the topic **Structural Engineering after a 2500-Year Earthquake: Lessons Learned While Working in Christchurch.**

At press time, this event is sold out. Please email the SEAW office to be placed on a wait list. A second event will be scheduled if there's enough interest.

In 2011, SEAW member and past Seattle Chapter board member Lara Simmons, SE, moved to New Zealand to work as a lead engineer and project manager for Holmes Consulting Group. Lara led work at the Arts Centre, one of the most significant historic retrofit repair projects in Christchurch following the earthquakes.

At this presentation, Lara will share her professional and personal experiences, cover lessons learned while working in Christchurch following (and during) the Canterbury Earthquake Series, and initiate discussion with the engineering community.

The presentation will focus on what the engineering community might *not* be adequately prepared for. It will be divided into the following topics.

- The key details of the events: How big was it, what were the key failures, building performance level, and damage.
- The engineer's role in the post-earthquake environment and how the city and that role evolved over time.
- Lessons learned regarding the public-engineering interface.
- What we can do to be better prepared.

Details:

Wednesday, February 26, 2014
12:00 pm to 2:00 pm
Westlake Tower, 4th Floor Conference Room, 1601 Fifth Avenue, Seattle
Fee: $15 (includes lunch)
Continuing Education: 1.5 PDHs
Online registration: www.seaw.org

Structural Masonry Design Seminar

The Northwest Concrete Masonry Association will be conducting a full-day seminar focusing on the design of reinforced concrete masonry construction. Both working stress and strength design methods of the new 2012 IBC and 2011 MSJC codes will be covered.

The seminar will include the explanation of new code provisions and step-by-step design examples of masonry building elements by manual and automated methods. It is aimed at practicing engineers who want to learn how to design masonry in a practical and efficient manner. It will be presented by two professional engineers at each location. The seminar will consist of 7.5 hours of continuing education. Certificates of attendance will be issued.

Seminar dates and locations include:

- March 13, 2014, Spokane, WA
- March 31, 2014, Bellevue, WA
- June 9, 2014, Portland, OR

Additional information can be obtained from the Northwest Concrete Masonry Association at 425.697.5298 or www.nwcma.org .

PSEC Engineering Banquet:

Saturday, February 15th, 2014, 6PM-10PM

Museum of Flight, Boeing Field, Seattle

Tickets: *http://www.eventbrite.com/e/2014-psec-engineering-awards-banquet-tickets-9747305453*

The 56th Annual Puget Sound Engineering Council (PSEC) Engineering Awards Banquet will be held Saturday, February 15th, 2014 at 6:00PM in the Skyline Room at the Museum of Flight at the King County International Airport (Boeing Field). PSEC invites you to join take advantage of this unique opportunity to celebrate the profession of engineering and honor the achievement of our colleagues.

Come early and enjoy the complimentary access to the museum's exhibits.

The evening's honors will include:

(Continued on page 8)

Meetings, Seminars and Announcements Cont.

(Continued from Page 7)

- Academic Engineer of the Year—Professor Dorothy A. Reed, P.E., Ph.D. Nominated by the Structural Engineers Association of Washington (SEAW)
- Government Engineer of the Year—Richard A. Sage, P.E., CCM, M.ASCE Nominated by the American Society of Civil Engineers (ASCE)
- Young Engineer-of-the-Year—Courtney Davis, P.E. Nominated by the American Society of Civil Engineers (ASCE)
- Professional Engineer of the Year—Robert F. Mast, P.E., S.E. Nominated by the American Society of Civil Engineers (ASCE)

SEAOC Offers Structural Seismic Design Manual for 2012 IBC

The Structural Engineers Association of California (SEAOC), in partnership with the International Code Council (ICC), has published a five-volume Structural Seismic Design Manual updated to the 2012 International Building Code (IBC) and referenced standards. The manual provides a step-by-step approach to applying structural provisions and includes practical examples covering major systems such wood, masonry, concrete, and steel. The volumes can be ordered separately or as a set via the ICC website at http://shop.iccsafe.org/2012-ssdm-complete-collection-with-volumes-1-5.html

Employment Opportunities

Structural Project Engineer

KPFF Portland is looking for motivated structural engineers interested in opportunity for growth. As a Structural Project Engineer, you will work individually and collaboratively in the design - construction process for some of the most challenging projects in the Pacific Northwest, as well as nationally and overseas. You will work closely with talented engineers, BIM / CAD technicians, architects, project managers, contractors and client teams.

Our current projects include:

- Airports
- Arenas + Stadiums
- Long-Span Structures
- Bridges
- Government Facilities + Embassies
- Commercial Developments
- High-Rise Structures
- Mixed-Use Developments
- Corporate Campuses
- Healthcare Facilities
- Education Facilities (K-12 + Higher Ed)
- Museum + Convention Centers

Qualifications

The preferred candidate will have:

- 3+ years of experience in structural engineering
- PE and MS / MEng engineering degrees
- Experience with Revit Structure
- Strong verbal and written communication skills
- Creative, proactive, and detail-oriented individual
- Outgoing individuals who thrive when working directly with architects, contractors and other engineers

Apply

KPFF would like to hear from you. Please submit a cover letter and resume to the Portland office Career Opportunities listing via our website or: CLICK HERE *

KPFF is an equal opportunity employer.

Location: Portland, OR
www.kpff.com www.traveloregon.com
http://ch.tbe.taleo.net/CH10/ats/careers/requisition.jsp?org=KPFF_2&cws=51&rid=73

Structural Engineer

MLA Engineering, pllc provides structural engineering design and consulting services for local, regional and national projects. We specialize in the design of buildings and the seismic evaluation and improvements of existing structures.

MLA has an engineering position available that is suited for a candidate who has 5 to 15 years of design experience and who is competent in designing with all major construction materials. Individuals who are motivated to use their technical, organizational, and communication skills and who work well with a small group of professionals will welcome this opportunity. Our work environment encourages creativity, teamwork, and growth. A master's degree is highly desired. Interested individuals please contact Michael Leonard at email: mleonard@mlaengineering.com or write to the address provided below.

MLA Engineering, pllc
1424 Fourth Ave, Suite 815
Seattle, WA 98101

SEAW Committee Chairs

Building Engineering	Chris Duvall	chrisd@cplinc.com
Code Advisory	John Hooper	jhooper@mka.com
Committee Liaison Task Group	Tom Corcoran	tcorcoran@integrusarch.com
Disaster Prep/Response	Joyce Lem	joyce.lem@hdrinc.com
Earthquake Engineering	Andy Taylor	andrew.taylor@kpff.com
Education	Ardel Jala	ardel.jala@seattle.gov
Existing Buildings	Bryan Zagers	bryanz@cplinc.com
Legislative	Tim Nordstrom	timn@starseismic.net
Professional Practices	John Tawresey	johntaw@aol.com
Public Information	Darrell Staaleson	dstaal@staaleng.com
Scholarship	David Peden	peden@coffman.com
Snow Load Engineering	John Tate	jatce@charter.net
Strategic Plan Monitor	Jill Shuttleworth	jtshuttleworth@meierinc.com
Sustainability	Adam Slivers	aslivers@lundopsahl.com
Technology	Lynnell Brunswig	seaw@seaw.org
Western Council	Ed Huston	huston@smithhustoninc.com
Wind Engineering	Scott Douglas	sdouglasscott@gmail.com
Liaisons/Representatives:		
PSEC	Peter Opsahl	popsahl@lundopsahl.com
NCSEA	Chun Lau	clau@comcast.net
BSSC	Tom Xia	txia@dci-engineers.com
SEAW/WABO	Charlie Griffes	charlie@ctengineering.com
Structural Engineers Foundation	Howard Burton	hburton@seattlestructural.com
WA Seismic Safety Committee	Stacy Bartoletti	sbartoletti@degenkolb.com

STRUCTURAL ENGINEERS ASSOCIATION of WASHINGTON • Seattle Chapter
PO Box 44 • Olympia WA 98507 •206/682-6026 • www.seaw.org

Seattle Chapter Committees & Chairs

House/Program	Tom Corcoran
Refresher Course	Mark Moorleghen
Newsletter	Lynnell Brunswig
Presentations/Awards	Peter Somers
Engineer of the Year	Ed Huston
Committee Liaison	Tom Corcoran
YMF	Tyler Kurz
Seattle Users of BIM Structural	Open
PSEC Representative	Peter Opsahl

Statewide Committees & Chairs

Code Advisory	John Hooper
Earthquake Engineering	Andy Taylor
Building Engineering	Chris Duvall
Existing Buildings	Bryan Zagers
Professional Practices	John Tawresey
Wind Engineering	Scott Douglas
Scholarship	David Peden
Legislation	Tim Nordstrom
Education	Ardel Jala
Finance & Auditing	Ted Smith
Disaster Prep/Response	Joyce Lem
Public Information	Darrell Staaleson
Sustainability	Adam Slivers
Snow Load	John Tate
SEAW Historian	Don Northey

For Committee contact information, visit www.seaw.org and click the Committee page

SEAW Calendar

FEBRUARY, 2014

Tuesday	4th	Refresher Course Begins Tues-Thurs eves through March 13th
Saturday	8th	PSEC Engineers Fair, 10 AM—4 PM Museum of Flight, Boeing Field
Tuesday	11th	YMF Happy Hour 5:00 PM P.F. Chang's, Seattle
Wed	12th	ATC-20/45 Training & SAP Evaluator Certification, One Union Square Board Room 8:00 AM–5:00PM
Saturday	15th	PSEC Engineers Banquet 6 PM–10PM Museum of Flight
Wed	19th	Seattle Chapter Board meeting SEAW/ACI meeting hosted by ACI Rock Bottom Restaurant & Brewery
Thursday	20th	March Newsletter deadline
Tuesday	26th	Seattle Chapter Lunch & Learn Lara Simmons presents lessons from Christchurch

Seattle Chapter Membership Changes

David Cotton–Granted Life Membership

Robert Sinclair–resigned
Justin Bettner–resigned
Jeff Brink–resigned
Jordan Hague–resigned
Mans Thurfjell–resigned
Scott Seeman–resigned
Gregg Goedeke–resigned

Membership

Chapter Membership Postings

In accordance with SEAW bylaws, membership applications are vetted by the Executive Director, 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.

Avnash Banwait
Member PE
Pacific Design Group Inc
McMaster University, Hamilton Ontario, Canada
Panjab University, Chandigarh, India M.Eng. 1988
Licenses: Washington PE; British Columbia, Ontario

John Barry
Member PE
Quantum Consulting
University of Washington
BSCE 1990
Licensed PE, WA

Adam Hiatt
Student
Seattle University

Delin Huang
Student
University of Washington CEE, June 2014

Ian Kane
Student
University of Arizona
B.S. Civil Engineering, May 2009
University of Washington
M.S. Structural Engineering, December 2014

Larry Karlson
Member PE
PCL Construction Services
Cal Poly San Luis Obispo
B.S. 1980
Licensed PE, WA

Ryan Maas
Tetra Tech Inc
Associate
University of Washington
MS Civil Engineer Structural, 2011
Illinois Institute of Technology
BS Civil Engineer Structural, 2010

John S Miller
Cascade Joinery
Affiliate
UNC-CH BA-Art History, 1982

Derek Ohlgren
MA Wright, llc
Associate
Washington State University, MS CE 12/2012
University of Tennessee, BSCE May 2010
EIT, Tennessee

Rebecca Rumann
Lund Opsahl, LLC
Associate
University of Washington
BSCE 2012
WA EIT

Mauricio Stoppa
Student
University of Washington
June 2014
EIT WA

Kevin Tsuchida
Student
University of Washington, BSCE
June 2014