



CONNECTIONS

September 2015 Volume 15 Issue 10

Newsletter of the
Structural Engineers
Association of Oregon

SEAO
9220 SW Barbur Blvd.
No. 119
PMB #336
Portland, OR 97219
Phone: (503) 753-3075
E-Mail: jane@seao.org
Web site: www.seao.org

IN THIS ISSUE: PAGE

■ President's Message	2
■ September Awards Dinner Meeting Information	3
■ Ask a Question, September Meeting Sponsor, YMF Activities & New Members	4
■ New SEA0 Life Member	5
■ IBC Code Info	6
■ City of Portland Revisions to Title 24.85 & Seismic Events	7
■ Member of the Month	8
■ SEAOSF Scholarship Winners	9
■ Employment Opportunities	10 & 11

SEA0 has a twitter account and can be followed at @SEA0regon.



Upcoming SEA0 Meetings and Events:

Thursday, September 17, 2015: YMF Happy Hour

Location: To Be Determined

Time: 5:30 pm to 7:30 pm

See Page 4 for additional YMF information.

Wednesday, September 23, 2015: SEA0 1st Annual Excellence in Structural Engineering Awards Dinner

Topic: Urban Cities and How They Have Developed, With a Spotlight on Portland

Speaker: Paddy Tillett, ZGF Architects LLP

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

Time: 5:30 pm Check-In & Social; 6:15 pm Dinner and Program

Awards will be presented to the winning projects, as selected by an esteemed panel of independent judges in several categories. In addition to the Awards and Speaker, we will be installing the new SEA0 Board, announcing the SEAOSF Scholarship Winners, and presenting the Life Member Award.

PDH Credit: 1 Hour Meeting Sponsor: DJC Oregon

See Page 3 for additional information.

DJC Oregon
Oregon's Building Connections

Friday, October 9, 2015: YMF Lunch Meeting

Location: KPFF Consulting Engineers, 111 SW Fifth Avenue, 26th Floor Conf. Room, Portland, OR

Time: Noon to 1:00 pm

Join us for our bi-monthly lunch meeting to discuss future events and activities. This is a great way to get involved. See Page 4 for additional YMF information.

Thursday, October 15, 2015: YMF Happy Hour

Location: To Be Determined

Time: 5:30 pm to 7:30 pm

See Page 4 for additional YMF information.

Thursday, October 15, 2015: ASCE Oregon Seismic Event

Location: McMenamins Kennedy School, 5736 NE 33rd Avenue, Portland, OR

Time: To Be Announced

ASCE Oregon will be showing the OPB Oregon Field Guide special on our earthquake preparedness and comparisons with the Japan earthquake. There will be a panel of experts, door prizes, etc. Save the date.

2015-2016 SEA0 BOARD

The following members have been elected to this year's Board and will be installed at this month's meeting:

President:	Gary Lewis
Vice President:	Kevin McCormick
Secretary:	Dmitri Wright
Treasurer:	Mark Butler
Directors:	Pat Merriman
	Michelle Chavez (2nd year of 2-year term)
Past President:	Jennifer Eggers

Congratulations and many thanks to the incoming Board for the time and efforts they will provide over the course of the next year. Thank you to our nominating committee: Brad Moyes, Wade Younie, and Andy Stember for their time and efforts.

CONNECTIONS is a monthly publication of the Structural Engineers Association of Oregon, published to disseminate current news to our membership and others involved in the profession of structural engineering. The opinions expressed reflect those of the author and, except where noted, do not represent a position of SEAO.

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

PRESIDENT'S MESSAGE: THANK YOU ALL!

BY: JENNIFER EGGERS, P.E., S.E.



Wow! That went by fast. This month wraps up my term as President and I cannot believe how fast this year went by. I was so privileged to have served on this board with so many wonderful people,

who I can now say are my friends.

with a great new incoming board. Gary is going to be a fantastic President. I have really enjoyed working with him and getting to know him this past year. He has wonderful ideas and is very thoughtful in what he proposes. You all are in great hands!

An extra big THANK YOU to two wonderful, hard-working people. JoMarie – thank you so much for your many years putting together this wonderful newsletter that we all count on and for being so patient with us (or me) this past year. I know it takes a lot of coordination to gather so much information for us all to have in one place. Since this newsletter is your last, we appreciate your continued efforts as we transition to our new newsletter editor, Sarah Knoles. Another big THANK YOU to Jane!! What would I have ever done without you? You are a thread that has kept us going and on track for years. Thank you so much for all of your hard work.

I really hope to see you ALL on September 23rd. We really do have a great program, so you don't want to miss it! We received fantastic entries for the SEAO Excellence in Structural Engineering Awards, so I can't wait to see them announced.

You certainly don't want to miss the very special **Key Note Speaker, Paddy Tillett!** **Come enjoy a night out at the Portland City Grill!!**

It has certainly been a pleasure serving as President this past year. It went by fast, but I certainly learned a lot. I am proud of our organization and was proud to be the President. Thank you for the opportunity. I appreciate your patience with me as we worked toward improving our organization together this past year.

Looking forward to seeing you on **September 23rd**!

Jennifer

BOARD OF DIRECTORS

President

Jennifer Eggers
KPFF Consulting Engineers
Ph: 503.227.3251
jennifer.egg@kpff.com

Vice President

Gary Lewis
Lewis & Van Vleet
Ph: 503.885.8605
gjl@lvvi.com

Secretary

Jim Riemenschneider
VLMK Consulting Engineers
Ph: 503.222.4453
jimr@vlmk.com

Treasurer

Mark Butler
Butler Consulting, Inc.
Ph: 503.658.0200
mark@bciengineering.com

Director

Michelle Chavez
Miller Consulting Engineers
Ph: 503.246.1250
michelle@miller-se.com

Director

Mike Bair
Weyerhaeuser
Ph: 503.853.4638
mike.bair@weyerhaeuser.com

Past President

Amit Kumar
Bureau of Development Services
City of Portland
503.823.7561
amit.kumar@portlandoregon.gov

Executive Secretary

Jane Ellsworth
SEAO Staff
Ph: 503.753.3075
jane@seao.org

Thank you so much to the outgoing board! Gary Lewis (Vice-President), Jim Riemenschneider (Secretary), Mark Butler (Treasurer), Michelle Chavez (Director), Mike Bair (Director) and last, but not least, Amit Kumar (Past President). Amit – thank you so much for your guidance this past year, it was truly invaluable. I cannot thank all of you enough for your involvement. You all helped make SEAO successful this past year!

What makes SEAO successful? Involvement, leadership across the organization, outreach, innovation, and new ideas being implemented are just a few measures. This year, we had more people get involved in committees and also step into leadership roles within those committees. We have seen YMF continue and improve their outreach program. We have seen our new CLT committee in action, charting the course in new waters. Thank you to all the members of this brand new committee! What I'm most excited about this year has been behind the scenes and will be showcased in our Inaugural Awards Dinner on September 23rd! Our Awards Committee has been working like a well-oiled machine. I have to say, everyone on this committee has stepped up to the plate, and we will all get to see their hard work in action in a few short weeks. A special thanks to Lauren DiPalma for leading this brand new SEAO committee.

I'm looking forward to serving on the SEAO board for another year as Past President

SEAO COMMITTEES

CODE ADVISORY COMMITTEE

Seismic

Chad Kilian—kilianc@bv.com

Wind

Jim Riemenschneider—jimr@vlmk.com

Snow Load

Andy Stember—andy@jasenginc.com

Code

Eric Watson—eric@millers-se.com

Vintage Building

Wade Younie—wyounie@dc-engineers.com

Special Inspections

Ray Miller—ray@millers-se.com

Cross-Laminated Timber

Scott Nyseth —
scott.nyseth@stonewoodstructural.com

STRUCTURAL ENGINEERS

EMERGENCY RESPONSE (SEER)

Shawn Stevenson—
sstevenson@morrisonhershfield.com

PROGRAM COMMITTEE

Monthly Meetings

David Gilroy—dgilroy@strongtie.com
Peter Kahn—peterk@psengineers.com

Awards

Lauren DiPalma—
lauren.dipalma@kpff.com

Golf Tournament

Jane Ellsworth—jane@seao.org

Conferences

Kevin McCormick—kevin@millers-se.com

ADVOCACY COMMITTEE

Website

Aaron Burkhardt—
aaron.burkhardt@kpff.com

Legislative

Paul Kluvers—pklusers@gmail.com

Engineers Week

Michelle Chavez—
michelle@millers-se.com

Young Member Forum

Seth Thomas—seth.thomas@kpff.com
Phillip Davis—phillip.davis@kpff.com

CONTINUING EDUCATION COMMITTEE

Seminars

Andy Stember—andy@jasenginc.com

Professional Development

Open

MEMBERSHIP COMMITTEE

Newsletter

JoMarie Farrell—
jomarie@equilibriumllc.com

Roster

Jane Ellsworth—jane@seao.org

DELEGATES

NCSEA & WCSEA/NWC

Ed Quesenberry—
edq@equilibriumllc.com

Seth Thomas (Alternate)—
seth.thomas@kpff.com

SEPTEMBER AWARDS DINNER MEETING ANNOUNCEMENT

WEDNESDAY, SEPTEMBER 23, 2015

MEETING SPONSOR: DAILY JOURNAL OF COMMERCE

Please join SEAO for the 1st Annual Excellence in Structural Engineering Awards presentation. The meeting will feature keynote speaker Paddy Tillett, of ZGF Architects, LLP presenting, “Urban Cities and How They have Developed, with a Spotlight on Portland.”

Awards will be presented to the winning projects, as selected by an esteemed panel of independent judges, in the following categories:

- Jurors’ Favorite
- New Buildings Over \$10M
- New Buildings Under \$10M
- Renovation/Retrofit
- Special Use Structures

In addition to the Awards and Speaker, we will be installing the new SEAO Board, announcing the SEAOSF Scholarship winners, and presenting the Life Member Award.

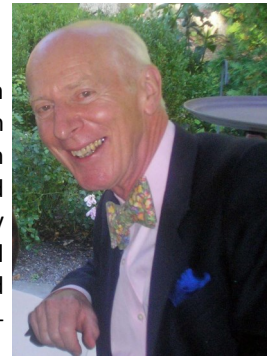
This is a meeting you don’t want to miss!

Topic: Urban Cities and How They Have Developed, with a Spotlight on Portland

“Citizens are the riches of the City” proclaims the engraving on the Skidmore fountain. Careful planning, the values of those who live and work here, and a measure of blind luck have all left their mark on Portland. Comparisons with other cities help to unravel the qualities and potential of Oregon’s largest city. There are valuable lessons to be learned from many of the decisions and events that have shaped Portland.

Speaker: Paddy Tillett, ZGF Architects, LLP

Paddy Tillett grew up in rural Scotland, completing his formal education in Oxford and Liverpool. He practiced architecture and planning in London and many other parts of the world before settling in Portland, Oregon in 1982. He is a principal with ZGF Architects LLP focusing on planning and urban design, and an adjunct professor at Portland State University. Paddy is a Fellow of the Royal Town Planning Institute, a member of the Royal Institute of British Architects, a Fellow of the American Institute of Certified Planners, a Fellow of the American Institute of Architects, and an Accredited LEED Professional.



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

Check-in & Social: 5:30 pm; **Dinner and Program:** 6:15 pm

Cost:

- \$32 — Prepaid Members
- \$20 — Prepaid YMF Members
- \$40 — Prepaid Non-Members
- Free — Students

Reservations: Pre-registration is required for all. You can register and pay online at www.seao.org before noon, Friday, September 18. You can also register with Jane Ellsworth via phone at (503)753-3075 or via Email: jane@seao.org. Note: No-shows will be billed.

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

This month’s meeting is proudly sponsored by the Daily Journal of Commerce. Reference page 4 for additional information.

DJCOregon
Oregon’s Building Connections

ASK A QUESTION, GET AN ANSWER

Do you have a code question you would like to ask the Wind Committee or Snow Committee? SEAO is pleased to announce a simple way for Q&A's with technical committees. Email questions to jane@seao.org, and SEAO will direct your question to the appropriate committee chair for a response. Questions and their answers will be made anonymous and available to the membership on the website www.seao.org.

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

SEPTEMBER MEETING SPONSOR



Founded in 1872, the Daily Journal of Commerce serves as the region's most comprehensive resource for the building industries in Oregon and Southwest Washington.

As the newspaper of record for the city of Portland, the DJC has earned a solid reputation as the premier provider of industry news, public information that includes call for bid notices and real estate foreclosure listings, and annual award events such as the Women of Vision and Top Projects.

An affiliate of Minneapolis-based The Dolan Company, the DJC strives to connect its subscribers to key business opportunities around the state. The DJC newspaper and website provide up-to-date coverage and reporting of industry developments while the DJC Project Center offers members the information they need to win some of the largest construction contracts in the region.

By staying true to its key values of immediacy, responsibility and empowerment for nearly 150 years, the DJC has been able to provide its subscribers with products and information that have stood the test of time.

YOUNG MEMBER FORUM ACTIVITIES

By: Phil Davis & Seth Thomas

Upcoming YMF Events:

Friday, October 9th — YMF Lunch Meeting

Location: KPFF Consulting Engineers, 26th Floor Conference Room, 111 SW Fifth Avenue, Portland, OR

Time: Noon to 1:00 pm

Join us for our bi-monthly lunch meeting to discuss future events and activities. This is a great way to get involved in SEAO.

Thursday, October 15th — YMF Happy Hour –

Location: To Be Determined

Time: 5:30 pm to 7:30 pm

Bring a friend, coworker, or both and enjoy a beer and some food while getting to know some other young professionals in our area.

YMF Website Info:

<http://www.seao.org/committees/advocacy/ymf/>. Please visit our website for more information on YMF events and information.

NEW MEMBERS

The newest members to join SEAO are:

August New Members:

Brian Knight – WRK Engineers

Spencer Straub – WRK Engineers

Devin Connel – KPFF Consulting Engineers

John Mayer – Froelich Engineers

Welcome New Members!!

NEW SEAO LIFE MEMBER
GREG SHEA, PE, SE
PRINCIPAL STRUCTURAL ENGINEER
ELEVEN ENGINEERING & DESIGN, LLC



Greg's professional career began in 1976, when he was hired by Moffatt, Nichol and Bonney Consulting Engineers as a hand drafter. He spent two years in that capacity, which he believes to be some of the most valuable experience he ever received. Being immersed in details of complex structures of all kinds provided a background in how things actually go together, something that we don't often get exposed to in college. Greg received great mentoring along the way from some of the best engineers in the city at the time: Bob Bonney Sr., John Merrifield, Charlie White, Bob Bonney Jr., Jim McGrew, Jim Knauf and Don McBee.

In 1988 Greg briefly left Moffatt, Nichol and Bonney to work for one year with Industrial Design Corporation, a subsidiary of CH2M Hill. The design industry had changed during this year, because of the recent invention of the fax machine. As an industry we suddenly began promising things overnight, which drastically changed how we managed projects.

Greg returned to Moffatt, Nichol and Bonney the following year, where he remained until 2007. During the years at MNB Greg was involved in the design of numerous hospitals throughout Oregon, several mid-rise buildings in the downtown core, the original Parking Garage at Portland International Airport, several Freightliner and Pendleton Woolen Mills expansions, and numerous auto processing facilities for Toyota. MNB was sold to TranSystems, a Midwest engineering firm around 2005.

In 2007, Greg desired to work more locally. He accepted a job with Axis Design Group, a small Architectural company, where he was the only structural engineer for several years. During this period Greg worked on several auto dealerships and an addition to Courtyard Fountains Senior Living facility in Gresham. During Greg's time at Axis, he met his current business partners. In 2011, Greg and three partners started Eleven Engineering & Design, LLC, where he is currently the Principal Structural Engineer.

Greg holds active professional Structural Engineering licenses in Oregon, Washington, California, Alaska, and Colorado.

Greg has spent his entire life in the greater Portland area. His elementary education years were at St. Therese Catholic School. He grew up in the Parkrose school district, where he graduated in 1972. Greg's engineering education began at Mount Hood Community College and completed at Oregon Institute of Technology in Klamath Falls. It was at OIT that Greg met his future wife, Darcy. Darcy and Greg were married in 1978, and spent 32 years together before Darcy passed away from brain cancer in 2010. Darcy and Greg have two daughters, Erin Dorstad of Austin, Texas, and Andrea Shea of Tacoma, Washington. Greg is also a proud grandfather to Oliver, a 21 month old who lives with his parents in Austin.

Greg was involved with SEAO for many years. He was the program chair (1986-1987) when Dick Imper was president, at a time when SEAO met at a different location every month and before we had an executive secretary to coordinate events. He has served on the Board as Secretary (1991-1992), President Elect (1994-1995), President (1995-1996), and Past President (1996-1997). In recent years Greg has become more involved with his church, where he has served on the Church Council for the last five years. He will be president of the Church Council starting in January and was recently elected to the statewide Council for the Oregon Synod of the Evangelical Lutheran Church in America.

Congratulations to Greg on this outstanding achievement of recognition for his years of service to SEAO. Thank you Greg!

IBC CODE INFORMATION

EXCERPT FROM 2012 IBC HANDBOOK

1807.2 Retaining walls.

Although the legacy codes 1999 BOCA/NBC and 1999 SBC, and ASCE 7-98 contained some requirements for retaining walls, they were very limited in scope. The legacy 1997 UBC had more detailed requirements for retaining walls, which are essentially the same as the provisions in the IBC. The IBC requires retaining walls to be designed to resist overturning, sliding, and excessive foundation-bearing pressure with a safety factor of at least 1.5 against lateral sliding and overturning using allowable stress design loads. (See discussion under Section 1610 and Table 1610.1 for soil lateral loads.) A keyway incorporated into the retaining wall base extending into the soil is considered to enhance the ability of the retaining wall against sliding.

There has been considerable debate in the structural engineering community whether both the passive pressure resisting the slide and the active pressure acting on the driving side of the key should be considered in the analysis. While some believe considering soil lateral pressure on both sides of the keyway is too conservative, there are others who believe not considering the active pressure will be too unconservative. Hence, the code now requires the consideration of all lateral pressures to be done in a free-body diagram. See Figure 1807-1.

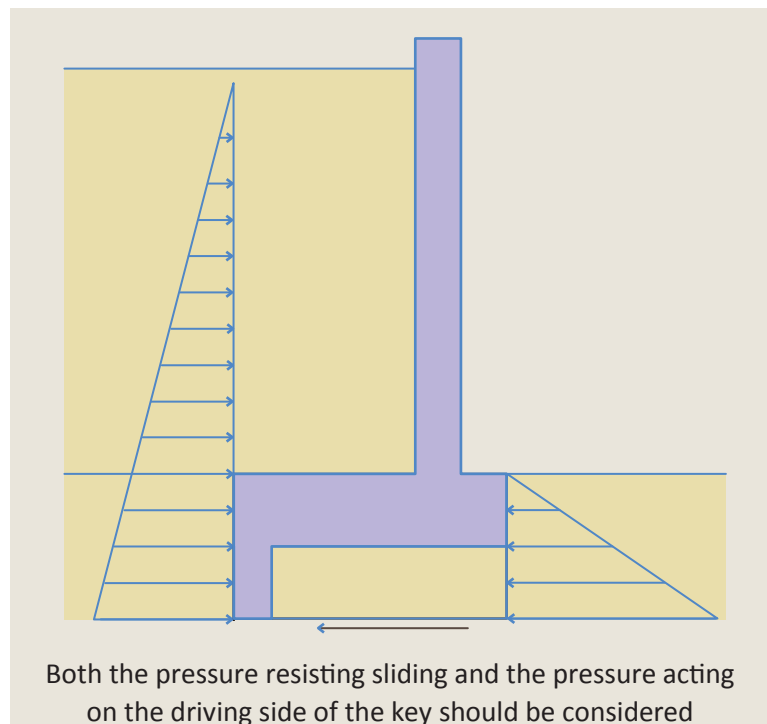


Figure 1807-1 Retaining wall keyway in soil.

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



REVISIONS TO CITY OF PORTLAND'S TITLE 24.85 "SEISMIC DESIGN REQUIREMENTS FOR EXISTING BUILDINGS"

On June 17, 2015, City Council passed amendments to Portland City Code 24.85, Seismic Design Requirements for Existing Buildings. The amendments went into effect on July 17, 2015.

In 2014, the primary external reference in Chapter 24.85, ASCE 31 was replaced by a new standard ASCE 41-13. This amendment updates Chapter 24.85 to reflect the adoption of this new standard. The amendment adopts ASCE 41-13 in its entirety with one exception. The exception stipulates that the design base shear cannot be less than 75% of the base shear required for new buildings. Based on studies, it was determined that when following the procedures in ASCE 41-13 for Basic Performance Objective for Existing Buildings using BSE-1, the base shears were about 50%-60% of that required for new buildings. This level of reduction in design base shear for existing buildings was determined to be un-conservative. This is inconsistent with current practice and the intent of Chapter 24.85. The amendments preserve the same maximum reduction allowed in base shear for existing buildings as was allowed prior to the adoption of the new ASCE 41-13.

Other amendments include:

- Defining the term Occupant Load to ensure uniform calculation of this base number which triggers the requirement for seismic upgrades; and
- Revising the requirements for seismic upgrade of existing lateral-load-carrying elements impacted by additions or alterations to be consistent with the requirements of OSSC.
- Revising the definition of structural systems damaged by catastrophic events to be consistent with definition for structural systems damaged by an earthquake; and
- Adding definitions to previously undefined terms for clarity and ease of use.

The revised Title 24.85 has been posted on City of Portland's website and may be accessed using the following link:

<http://www.portlandonline.com/auditor/index.cfm?c=28673>

For questions, please contact Amit Kumar, Senior Structural Engineer, at 503-823-7561, amit.kumar@portlandoregon.gov.

SEISMIC EVENTS

[ASCE Webinars \(www.asce.org\)](http://www.asce.org)

Friday, September 18, 2015, 8:30 AM – 10:00 AM PT.

[Using Nonlinear Analysis and Fiber Wrap Material for Efficient Seismic Retrofit.](#)

Wednesday, October 7, 2015, 8:30 AM – 10:00 AM PT.

[Design of Wood Diaphragms and Shear Walls.](#)

Friday, October 23, 2015, 8:30 AM – 10:00 AM PT.

[Design of Masonry Shear Walls.](#)

[NCSEA Webinars \(www.ncsea.com\)](http://www.ncsea.com)

Tuesday October 6, 2015, 10:00 AM – 11:30 PM PT.

[What You Need to Know About the Seismic Peer Review Process.](#)

Thursday October 22, 2015, 10:00 AM – 11:30 PM PT.

[Observations & Reflections on the 2014 South Napa Earthquake.](#)

SEAO MEMBER OF THE MONTH

JOMARIE FARRELL, PE

BY: MIKE BAIR, TRUS JOIST, AFFILIATE BOARD DIRECTOR



The Board of Directors of the Structural Engineers Association of Oregon takes great pleasure in honoring and recognizing JoMarie Farrell, P.E., an Associate with Equilibrium Engineers LLC, for her extraordinary work over the past 5 years in putting together the SEAO monthly newsletters.

JoMarie is a licensed Professional Engineer in both Oregon and California, has over 20 years of structural engineering consulting experience on a broad range of building types, and is responsible for the coordination of projects from Schematic Design through Construction Administration. In addition, she is responsible for adhering to the budget and schedule parameters of each project. Ms. Farrell joined Equilibrium in 2008. She holds a Bachelor of Science in Civil Engineering from the University of Portland (go Pilots).

When asked, SEAO Past President, Equilibrium owner and personal friend, Ed Quesenberry, reported what he (and others) liked best about JoMarie:

- Her work ethic is second to none. She consistently puts in the extra effort to keep our clients happy and our firm's reputation solid.
- Clients LOVE her. Her great personality and ability to convey the key structural issues on a project in terms that are easily understood endear her to our clients.
- She is our resource library--she has the unique ability to stay up with ever-changing code provisions and product developments and can regurgitate the knowledge without hesitation. We don't open the book, we just ask Jo!
- She is just fun to be around and loves to laugh.

Other Fun Facts about Jo:

- She is a huge sports fan and knows more about NFL Football and NCAA Basketball than anyone I know. Do not bet against her if you don't like losing money!
- She is a third generation Portland resident and proud St Mary's Academy graduate.
- She worked as Office Manager at BOORA Architects prior to pursuing her engineering degree. She attributes her choice of Structural Engineering as a career to Art Johnson, founder of KPFF Portland. In her words, "Art

was the only consultant that came in to BOORA that always had a smile on his face, and I decided that I wanted to do what he did." Now JoMarie comes to work every day with a smile on her face!

- She knows at least 4 alternate routes to get anywhere in the Portland Metro area, and she manages to avoid most traffic jams using that skill. It is uncanny the back roads this girl knows.
- Her daughter Shelby graduated from St Mary's Academy last spring and is working for FEMA AmeriCorps in Iowa for a gap year before college. Proud momma.

ALL who know JoMarie concur. The traits identified above have manifested in her service to SEAO while shouldering the responsibility for producing the monthly SEAO newsletter for the past 5 years.

JoMarie... Thanks again so much for such exemplary service to us all.

Note from JoMarie: I'd like to take the opportunity to say a big thank you to all who worked so earnestly to get me their information in a timely manner and who took the time to contribute to the newsletter. All of your efforts to make this a relevant, informative newsletter for the membership were greatly appreciated by all. It has been a pleasure working with all of you.

I also wish to say a big thank you to your incoming Newsletter Editor, Sarah Knoles. The newsletter does take a bit of time and she has graciously stepped up to take over while I put my feet up for awhile. Her new energy will make this publication fresh and current.

Thank you to all the presidents who worked so closely with me: Trent Nagele, Ed Quesenberry, Aaron Burkhardt, Amit Kumar, and Jennifer Eggers. Your direction and enthusiasm were a wonderful source of inspiration for me each year.

Thank you also to David Tarries for his wonderful recaps; to Todd Nagele (Mr. Layout and cartoonist extraordinaire for his two years of service when I first started working on the newsletter), and to Jane Ellsworth for her service to keep us all informed and keep the lines of communication open!

"Well, uh, hope you folks enjoyed yourselves. Catch ya further on down the trail. Say, friend - you got any more of that good sarsaparilla?" The Big Lebowski

SEAO SCHOLARSHIP FOUNDATION WINNERS

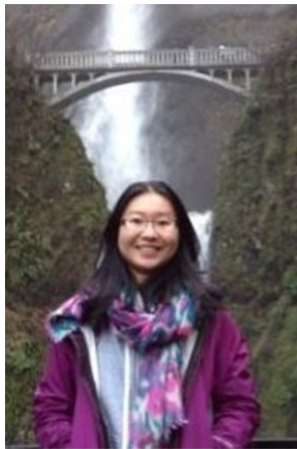
2015-2016

BY: SEASF CHAIR SHELLY DUQUETTE

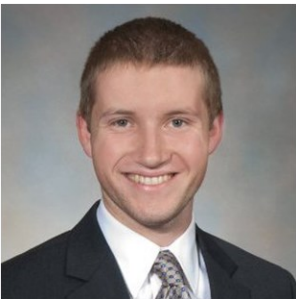
The Structural Engineers Association of Oregon is pleased to announce our scholarship recipients for the 2015-2016 academic year. The SEAO Scholarship Foundation Board dispersed a total of \$13,000 this year. The \$3,500 Don Kramer Memorial Scholarship was awarded to Michael Gritzmacher and the \$3,500 Susan M. Frey Scholarship was awarded to Anh Nguyen. \$3,000 scholarships were awarded to Joshua Henry and Nathan Jones. Once again, the generosity of our membership, combined with the success of the annual Trade Show continues to keep our scholarship program strong and allow this level of giving. Thank you to all our donors, the Trade Show vendors and the SEAO membership for your support of the Foundation.

The recipient of the **Susan M. Frey Memorial Scholarship** is **Anh Nguyen**,

a recent graduate of Portland State University. She is currently pursuing a Master's Degree in Civil Engineering at Oregon State University. In addition to excelling in the classroom, Anh was the ASCE student chapter president and was the structural analysis lead for the concrete canoe team this past spring. Anh was also involved in PSU's Undergraduate Research and Mentoring Program (URMP) where she focused on the resilient design of residential structures in her native Vietnam. She focused her research on proposed standard residential designs and how to increase their ability to withstand extreme weather events such as typhoons and subsequent flooding. Anh plans on continuing this research in her graduate work. Anh also mentored local third graders as to how to construct a bridge out of pasta and wants to continue STEM outreach with K-12 students. Anh has expressed she is honored and grateful for this award.



Our **Don Kramer Memorial Scholarship** winner, **Michael Gritzmacher**, recently earned his Bachelor's Degree in Civil Engineering from Oregon State University and now is pursuing a Master's Degree in Structural Engineering at Lehigh University – where he also earned a merit scholarship. Michael wants to focus on earthquake resisting systems and wishes to make a meaningful difference in society as an engineer. Last March, Michael and ten other OSU engineering students helped build a playground for a church in San Jose, Costa Rica. Michael also



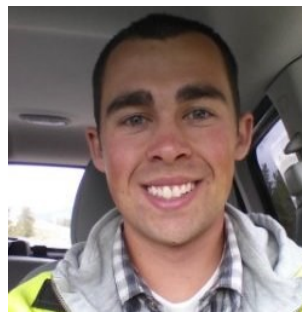
was involved in OSU's Civil Engineering Cooperative Internship Program and worked at ATI Wah Chang in Albany and Smith Monroe & Gray in Beaverton. He was also awarded the David Evans and Associates Excellence in Civil

Engineering which recognizes twelve senior civil engineering students for their outstanding individual performance throughout the OSU capstone projects including leadership, communication, innovation and collaboration. Michael is honored to be a recipient.

Joshua Henry is a graduate student at Oregon Institute of Technology working towards his Master's degree in Civil Engineering. As a child, Josh wanted to be an architect, but was hindered by his lack of art skills. Fortunately he realized what drew him to architecture was mostly engineering. Josh was chosen to be the project manager for the senior design team's project. The Chair of the Civil Engineering Department described the project team as "one of the most contentious groups we have had in years" and compliments Josh on his "leadership and aplomb to pull the group together" and deliver a complete project (Josh earned 12 out of 10 points for his collaboration ability).



Nathan Jones is starting his Senior year at Oregon State University pursuing a Bachelor's Degree in Civil Engineering and he hopes to be able to attend graduate school. Nathan has been an undergraduate research assistant in many fields of engineering and wants to focus on foundations and retaining structures. His particular interest is the interaction between deep foundations and



their above ground structures during seismic events. Nathan has been active in OSU's ASCE Student Chapter where he served as the Steel Bridge Co-Captain and the Professional Development Chair. The OSU Steel Bridge team placed 9th nationally in 2014. Currently, Nathan is an intern for the Western Federal Lands Highway Division helping to stabilize and anchor embankments. Nathan greatly appreciates and is honored by this award.

Scholarship recipients will each receive a one-year student membership to SEAO as part of the award. Thank you again to all of our members and friends who have donated to the Scholarship Foundation. Also, we would like to thank the Scholarship Committee for their help in reviewing and scoring the applications: Chad Kilian (Black & Veatch), Brad Larsen (OBEC Consulting Engineers), and Dominic Webber (BergerABAM).

EMPLOYMENT OPPORTUNITIES

STONEWOOD ENGINEERS

**Senior Project Manager
Camas, WA**

Stonewood Structural Engineers is looking to hire a Senior Project Manager. This position requires the ability to manage large and complex projects. Excellent communication and organizational skills and the ability to develop a rapport with our clients and support staff is imperative. Must be proficient with the IBC and ASCE 7-10. We are looking for a minimum of 10 years of experience, but will consider less for qualified individuals. Experience in seismic retrofits, concrete and steel design is preferred.

Stonewood Structural Engineers offers a competitive compensation package. Benefits include medical, dental and vision insurance, a 401(k) investment plan, and performance bonuses.

Submit resume and cover letter to
scott.nyseth@stonewoodstructural.com

ERICKSON STRUCTURAL CONSULTING ENGINEERS, P.C.

**Structural Engineer
Vancouver, WA**

Erickson Structural Consulting Engineers is seeking a structural engineer to work part-time. This position has the potential to grow into a full-time, permanent position, if desired. The successful candidate must be a licensed PE in Oregon and/or Washington, be comfortable with client interaction, have excellent English verbal and written communication skills, and have familiarity with a wide range of building structural systems.

Our firm focuses upon evaluation and remediation of existing buildings and preference will be given to candidates with similar experience. This position offers competitive compensation and a very flexible work schedule.

To apply, submit a cover letter describing your career aspirations, a copy of your resume, a list of references, and compensation expectations to brandon@ericksonstructural.com.

GROUP DELTA CONSULTANTS, INC.

**Catastrophe Response Team
Licensed Civil and Structural Engineers**

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

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

CATENA CONSULTING ENGINEERS

**Structural Engineer
Portland, OR**

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

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

<http://www.catenaengineers.com/opportunities.php>.

EMPLOYMENT OPPORTUNITIES (CONT.)

KPFF CONSULTING ENGINEERS

Experienced Structural Engineers and Entry-Level Structural Engineers

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

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

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

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

Experienced and Entry Level BIM/CAD Modelers Portland, OR

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

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

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

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

KPFF is an equal opportunity employer.

DCI ENGINEERS

Structural Project Engineer Portland, OR

DCI Engineers is a leading structural and civil engineering firm with a diverse client base. DCI enjoys a vibrant culture where each team member is appreciated and offers a diverse array of benefits for those who are part of our team.

DCI Engineers is currently seeking a Structural Project Engineer with 0 to 5 years of experience for our Portland office. Working knowledge of steel, concrete, wood, and masonry design is desired.

Our focus on client service makes good communication and customer service skills a must.

The position will involve the design of all categories of seismic and gravity framing systems for every building and material type. License in the State of Oregon is preferred but not required.

Please apply via email to: resumes@dc-engineers.com.