



CONNECTIONS

January 2014 Volume 14 Issue 4

Newsletter of the
Structural Engineers
Association of Oregon

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Upcoming SEA0 Meetings and Events:

Thursday, January 16, 2014: SEA0 YMF Happy Hour

Location: The Green Dragon, 928 SE 9th Avenue, Portland, Oregon
Time: 5:30 pm to 7:30 pm
See page 4 for more information on YMF events and contacts.

Wednesday, January 29, 2014: SEA0 Lunch Meeting

Topic: Ducks v. Huskies: The Ins and Outs of Engineer Liability in Oregon and Washington
Speakers: Ryan M. Lee, Senior Associate Attorney and Robert W. Kirsher, Associate Attorney, Scheer & Zehnder, LLP
Location: Portland City Grill, 111 SW 5th Avenue, 30th Floor, Portland, Oregon
PDH Credit: 1 hour
Time: 11:30 am check-in & social, 12:00 pm lunch & program
See Page 3 for additional information and instructions on registration.

Wednesday, February 19, 2014: SEA0 Seminar

Topic: The 2012 IBC & ASCE 7-10 Code Change Structural Provisions
Speakers: SK Ghosh & Susan Dowty
Location: Embassy Suites, 9000 SW Washington Square Road, Tigard, Oregon
Time: 8 am to 4:30 pm
See Pages 9 and 10 for additional information and instructions on registration.

Wednesday, February 19, 2014: 50th Annual Engineers Week High School Banquet

Location: DoubleTree Hotel Portland (Lloyd Center), 1000 NE Multnomah Street, Portland, Oregon
Time: 6:30 pm to 8:30 pm
See Pages 4, 11 and 12 for additional information.
Visit the website at <http://www.signupgenius.com/go/10C0F4CA5AE2DA1FF2-20141> to register to attend the banquet.
Volunteer Sign-up (does not include banquet): <http://www.signupgenius.com/go/10C0F4CA5AE2DA1FF2-20142>

Thursday, February 27, 2014: SEAOSF TRADE SHOW

Location: Monarch Hotel & Conference Center, 12566 SE 93rd Avenue, Clackamas, OR
Time: 5:00 pm to 8:00 pm — Seminar times to be determined and printed in February's Newsletter.

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

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PRESIDENT'S MESSAGE: A NEW YEAR FOR A RESOLUTION THAT PAYS OFF

By: Amit Kumar, S.E., P.E.



As we ring in the New Year, SEAO Board of Directors would like to wish all of you a very happy New Year. May the New Year bring joy, peace, and happiness to you and your entire family.

In keeping with traditions, a lot of us make New Year resolutions. Let one of these be to get more involved and give back to your profession that has given us all so much. I was recently reading an article in the *Structure Magazine* discussing the benefits of being involved with your professional organization. This deeply resonated with me, and I thought that it would be beneficial to remind our membership of these benefits and to encourage you to actively participate.

Some of us simply pay our dues and become members of SEAO or other professional organizations so that it looks good on our resumes. I would like to suggest that this is not sufficient and should not be acceptable. Being involved and actively participating in the activities of the organization that you are a member of not only allows you to contribute to the profession but it pays you back many times over.

One of the ways that you benefit from being involved is the incredible friendships and networking that you develop. Apart from SEAO, I have been involved with NCEES in developing and grading SE exams for the past several years, and before that I assisted the states of Oregon and Washington with the grading of their SE exams. My participation has helped me develop a network of professionals who I am proud to call my friends. I have had the pleasure of meeting fellow engineers from all over the country that I can count on for advice. I have on occasion picked up my phone and called them to find out what the standard of practice in their jurisdiction might be or what the intent of a particular section of the code is. I have known other colleagues who also serve on these committees and they often help each other obtain projects in other states, seek design advice, inquire about local construction practices, etc. This sharing of information is another example of how your active involvement in your organization pays you back.

Another way your involvement pays you back is to give you a better understanding of our profession. Our monthly meetings are a great way to exchange ideas and network with your fellow engineers. We, within SEAO, are very fortunate to have some of

the most experienced engineers who can provide great insight into the development of our profession and construction practices over the years. Several of them are still very active and do come to our monthly meetings. I think the younger engineers will benefit greatly by tapping into this experience and our more experienced engineers will benefit by keeping up with state-of-the-art practices and the use of new technology. Being actively involved by attending our monthly meetings can help establish these connections. So I hope we will see more of you at these meetings.

Apart from attending monthly meetings, you can get involved by volunteering on several SEAO committees or volunteer to serve on the board. Currently we are looking for members to serve on the Emergency Response Committee. If your interest lies in code development, we have the Code Development Committee. If your interest lies in seismic design, help out with the Seismic Design Committee. Whatever your interest, we can accommodate you. From local involvement, you can advance your interest further by getting involved in committees at the national level (NCSEA has national committees) and have a say in code development or advocacy of our profession.

Get involved, contribute to your profession, and watch that involvement pay you back many times over.

In order to provide our membership greater access to monthly talks, the Board has decided that, when given permission by the speaker, the monthly meetings will be taped and made available for viewing. For those of you who are not able to make it to the meeting in person for whatever reason, you can now request a link by calling or emailing Jane Ellsworth at [seao.org](mailto:jane@seao.org). There is a nominal charge to access the video.

The topic for our lunch meeting on January 29th is *Ducks v. Huskies: The Ins and Outs of Engineer Liability in Oregon and Washington*. Hmm . . . sounds intriguing. Come and enjoy a great presentation by Ryan Lee and Robert Kirsher, attorneys with Scheer & Zehnder, LLP, dealing with a topic that I am sure all of us have dealt with or will be dealing with at one time or another. This is also a great time to network, socialize, and just catch up with colleagues and friends from your profession. We sincerely hope to see you there.

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Seth Thomas (Alternate)—
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JANUARY LUNCH MEETING ANNOUNCEMENT WEDNESDAY, JANUARY 29, 2014

Topic: Ducks v. Huskies: The Ins and Outs of Engineer Liability in Oregon and Washington

Engineers face significant risks of professional liability these days for property damage resulting from alleged negligence in the design of improvements to real property that have long since been completed. Engineer liability can be out of proportion to the prospective benefits on a given project. Although engineers were once protected by the concept of contractual privity, the Courts in many jurisdictions have slowly stripped that protection away. This presentation will focus on the basis of engineer liability in both Oregon and Washington, basic issues in litigation involving engineers, and best practices for minimizing risk.

Speakers: From Scheer & Zehnder, LLP

Ryan M. Lee, Senior Associate Attorney



Ryan Lee is an attorney licensed in Oregon, Washington and California. He has been defending construction defect lawsuits, including claims against design professionals, for nearly 15 years. He is currently a Senior Associate at Scheer & Zehnder LLP in Portland. Ryan received his J.D. from the Marquette University Law School and a B.A. from California Polytechnic University in San Luis Obispo. In addition to the Oregon, Washington and California bars, he is also admitted to practice before the United States District Court for Oregon, Western Washington, and Northern California and the Ninth Circuit Court of Appeals.

Robert W. Kirsher, Associate Attorney

Rob Kirsher is an attorney licensed to practice law in Oregon. He has been practicing for 5 years, and the majority of his practice involves construction defect litigation, including defense of design professionals. Rob received his J.D. from the University of Oregon, where he served on the managing board of the Oregon Law Review. He received a B.A. in Economics from Williams College.



Location and Times:

Portland City Grill, 30th Floor, U.S. Bancorp Tower, 111 SW 5th Avenue, Portland, OR
The MAX Light Rail System stops on SW 5th & 6th Avenues at SW Pine Street near the U.S. Bancorp Tower. Parking is in the lower level of the U.S. Bancorp Tower, entrance at SW 5th & SW Pine, or across the street in the parking garage tower at SW 4th & SW Pine. Parking is free for the first 2.5 hours with validation at Portland City Grill.

Check-in & Social: 11:30 am

Lunch & Program: 12:00 pm

Cost: Lunch and Program

\$32 — Prepaid Members
\$40 — Prepaid Non-Members
\$18 — Students

Reservations:

Pre-registration is required. You can register and pay online at www.seao.org before 11 am, Friday, January 24. 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.

Videotaping: This month's presentation will be videotaped and will be available for purchase to view for those who are not able to attend. The cost for obtaining access to the video is \$16 for members and \$22 for non-members. Please contact Jane Ellsworth at (503)753-3075 or via Email: jane@seao.org to obtain a weblink to view the video.

YOUNG MEMBER FORUM ACTIVITIES

By: Phil Davis & Seth Thomas

SEAO YMF PE and SE Library: The YMF is currently compiling a library of materials for the PE and the SE exam. To make the testing process as easy as possible, the YMF is putting together a reference library of useful study materials for the PE and SE exam that members will be able to check out and borrow. In addition, the YMF will also be putting together a document helping explain the application process and providing helpful tips for taking the tests. Check the website soon for these documents. Please contact Phil Davis (Phillip.davis@kpff.com) or Seth Thomas (setht@wrkengrs.com) if you are interested in borrowing any of these materials.

Already taken the PE or SE? If anyone has already taken the PE and/or the SE and has leftover study materials they would like to donate please contact Phil Davis or Seth Thomas, and we will get the materials from you and add them to the library. Any donations are greatly appreciated.

Upcoming Events:

Thursday, January 16th – Happy Hour – The Green Dragon, 928 SE 9th Avenue, Portland, OR

YMF Group Social Event – The YMF will be attending a Portland Winterhawks game in late January or February. We will be reserving a block of tickets so that we can all get together and have a good time watching some hockey. Let us know if you are interested in attending and watch for an email soon with the final date.

YMF Ski Trip – The YMF is organizing a weekend ski trip that will happen in February or March. We are currently working out the details of date and location. If you are interested in attending, please contact Kate Pfretzschner (Kathryn.Pfretzschner@kpff.com) or Seth Thomas (setht@wrkengrs.com). More information can be found on the SEAO website as it becomes available.

SEAO YMF Education Outreach Needs Your Help!

Last year the YMF gave presentations on structural engineering to 34 classrooms reaching over 1,000 middle school and high school students in the Portland area. This year we want to go even bigger, but we need your help. Our goal this year is 1,500 students which means we need to find more schools and teachers to go visit. If you know of a middle school or high school teacher who is interested in having a couple of YMF members come to their class and give a short presentation about what structural engineering is and what we do and follow the presentation up with a fun activity let us know. Interested teachers should contact Seth Thomas at (setht@wrkengrs.com).

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

ENGINEERS WEEK FEBRUARY 16–20, 2014

The annual Engineers Week High School Program is a community-supported outreach event to promote the field of engineering as a career option for local high school students. The E-week event reaches out to high school students in north-west Oregon and southwest Washington. In 2013, over 350 high school students and 50 high school teachers participated in the event.

The E-week High School Program was developed to educate high school students about engineering and the variety of engineering disciplines. The goal of the program is to engage and inspire students through field trips, exposure to the diversity of local companies which employ engineers, and one-on-one interactions with practicing engineers.

You can support this valuable educational experience by attending the 50th Annual High School Program on Wednesday, February 19, 2014, at the DoubleTree Hotel at Lloyd Center. Visit www.asceor.org/eweek for additional information. See page 1 for links to register to attend the banquet or volunteer to help with events. See Pages 11 and 12 for flyers.



NEW MEMBERS

Welcome to our newest members:

Justin Brown, KPFF Consulting Engineers
Murali Balan, McMillen, LLC
Philip Wu, PWU Engineering
Leandro Pimenta, Student
Eduardo Avelar, ASC Profiles, Inc.
Mike Carver, Boise Cascade Corp.
Mark Wegener, Engineer on Call
Sean Duffy, Harris Group

MEMBER OF THE MONTH DAVID TARRIES OF KPFF CONSULTING ENGINEERS

By: Jennifer Eggers, S.E., P.E.

The Board of Directors of the Structural Engineers Association of Oregon takes great pleasure in honoring and recognizing **David Tarries**, Co-Chair of the Newsletter Committee, for all of his work in service of SEAO and the engineering community with the Member of the Month award for the month of January.



Dave has been writing the SEAO monthly meeting recaps in each newsletter for over three years and has been very dedicated and reliable in doing so.

A message from JoMarie Farrell, SEAO's Newsletter Committee Co-Chair, who works closely with Dave every month gathering content for the newsletter:

"Dave started providing the recaps in October 2010. He has been at every meeting, taken accurate notes throughout the meeting presentation, and provided the recap articles since he started. I cannot think of a time when he missed a month. He always makes his deadlines, even when he has a big deadline on a project. He has worked tirelessly to provide the membership with information from SEAO meeting presentations--to keep those that cannot attend up to date on what they missed from the meetings and to provide thoughtful reminders of information presented to those that attended. His recaps are a significant contribution to the newsletter. I cannot think of a more deserving member than Dave to receive this month's award."

Dave was born in Iowa and raised in Alaska on the Kenai Peninsula. He received a Bachelor's degree in 2000 and a Master's degree in 2002, both from Iowa State University. David joined KPFF Consulting Engineers in 2002 and is a licensed Professional Engineer in California and Oregon. He has been fortunate to have traveled domestically and internationally for different projects over the years and continues to travel both for business and pleasure. He enjoys cycling and other outdoor activities that are plentiful around Portland and throughout the Northwest.

The SEAO Board would like to thank Dave for his dedicated service to our organization and the engineering community. CONGRATULATIONS, Dave, for a well-deserved honor!

CALL FOR VOLUNTEERS TO ASSIST WITH WRITING MEETING RECAPS: Dave is looking for assistance with writing recaps. If you are interested in helping SEAO out with this service, please contact David Tarries (david.tarries@kpff.com) or JoMarie Farrell (jomarie@equilibriumllc.com). You will earn PDH hours for writing the articles and will have the inside track on information presented at the meetings. There are approximately five to seven presentations a year. Even helping out for two or three would be greatly appreciated.

SEISMIC EVENTS

ASCE Webinars (www.asce.org)

Thursday January 23, 2014, 9:00 – 10:00 AM PST. [Introduction to the Seismic Design of Nonbuilding Structures to ASCE 7-10.](#)

Tuesday January 28, 2014, 9:00 – 10:00 AM PST. [Seismic Assessment and Design of Pipelines.](#)

Wednesday February 5, 2014, 8:30 – 10:00 AM PST. [Joints in Buildings.](#)

Tuesday February 18, 2014, 8:30 – 10:00 AM PST. [Moment-Resisting Connections in Steel Structures.](#)

EDUCATIONAL OPPORTUNITIES

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

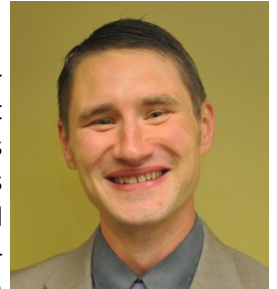
June 9, 2014 - Portland, OR

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

MEMBER OBITUARY: ELIAS GRAHAM HAHN, PE, SE AUGUST 14, 1978 – DECEMBER 16, 2013

It is with a heavy heart we make known the passing of Elias Graham Hahn. Elias had long suffered from a rare congenital heart defect from which he was not expected to live past early childhood. It is a testament to Elias' spirit that he not only lived well beyond the doctor's estimate but lived an energetic and productive life.

Elias' condition instilled in him a realization that life is important and must be experienced to the fullest. Elias was an avid motorcycle enthusiast, as well as an outdoorsman and a friend to many. Elias was also an accomplished Engineer. Graduating from Oregon State University with a Bachelor of Science in Civil Engineering, Elias would go on to earn Professional Engineering licenses in three states and eventually become a licensed Structural Engineer. Elias was well regarded in the Engineering field for his skill, knowledge, and knack for solving the most difficult and complex of projects. His full professional potential was just becoming realized by the opening and managing of a satellite office in Tacoma, Washington, an opportunity he dedicated himself to fully.



However, Elias' true love was his family. Elias is survived by his wife Katie, their two children, Margot (age 3) and Sam (age 2 months), his parents Sandra and Ron, and his sister Casady.

A celebration of Elias' life was held Sunday, January 5th at the Northstar Ballroom, 635 North Killingsworth Court in Portland, Oregon. In lieu of flowers, the family has asked that remembrances in the form of donations be made to Margot and Sam's education funds. Donations may be made to:

Katie Heider
1012 N. Watts St.
Portland, OR 97217

Donations may also be made on the following on line resource: <http://www.youcaring.com/other/help-a-young-family-that-lost-a-father/119016>

Section 2206 Composite Structural Steel and Concrete Structures

CHANGE TYPE: Addition

CHANGE SUMMARY: The requirement that composite structures in Seismic Design Categories D, E, and F provide substantiating evidence demonstrating that they will perform as intended by Part II of AISC 341 has been deleted because these structures are now addressed in the 2010 edition of AISC 341, and a new section for composite structures of structural steel and concrete has been added.

2012 CODE: ~~2205.3.1 Seismic Design Categories D, E and F. Composite structures are permitted in Seismic Design Categories D, E and F, subject to the limitations in Section 12.2.1 of ASCE 7, where substantiating evidence is provided to demonstrate that the proposed system will perform as intended by AISC 341, Part II. The substantiating evidence shall be subject to building official approval. Where composite elements or connections are required to sustain inelastic deformations, the substantiating evidence shall be based on cyclic testing.~~

SECTION 2206

COMPOSITE STRUCTURAL STEEL AND CONCRETE STRUCTURES

2206.1 General. Systems of structural steel acting compositely with reinforced concrete shall be designed in accordance with AISC 360 and ACI 318, excluding ACI 318 Chapter 22. Where required, the seismic design of composite steel and concrete systems shall be in accordance with the additional provisions of Section 2206.2.

~~**2205.3-2206.2 Seismic Requirements for Composite Structural Steel and Concrete Construction.** Where a response modification coefficient, R , in accordance with ASCE 7, Table 12.2-1, is used for the design of systems of structural steel acting compositely with reinforced concrete, the structures shall be designed and detailed in accordance with the requirements of AISC 341. The design, construction and quality of composite steel and concrete components that resist seismic forces shall conform to the requirements of the AISC 360 and ACI 318. An R factor as set forth in Section 12.2.1 of ASCE 7 for the appropriate composite steel and concrete system is permitted where the structure is designed and detailed in accordance with the provisions of AISC 341, Part II. In Seismic Design Category B or above, the design of such systems shall conform to the requirements of AISC 341, Part II.~~

CHANGE SIGNIFICANCE: The requirement that composite structures in Seismic Design Categories D, E, and F provide substantiating evidence demonstrating that the proposed system will perform as intended by Part II of AISC 341 is no longer necessary because the 2010 edition of AISC 341 contains detailed provisions for testing composite special moment frames, composite partially restrained moment frames, and composite eccentrically braced frames. A new IBC section is added specifically for composite structures of structural steel and concrete, patterned after Section 2305 on structural steel. However, unlike structural steel structures regulated by Section 2305, composite structures must be designed and detailed in accordance with AISC 341 regardless of seismic design category. Therefore, the new section makes no specific reference to Seismic Design Categories D, E, and F.



Simon headquarters office building
(Courtesy of Haris Engineering)

This updated code provision is from the Significant Changes to the International Building Code, 2012 edition, authored by John Henry, PE, Doug Thornburg, AIA and Jay Woodward. The book is available at iccsafe.org/store. Use ID # 7024S12.



THE SUSAN M. FREY MEMORIAL SCHOLARSHIP



The SEAO Scholarship Foundation Board is pleased to announce the establishment of a scholarship fund in the name and to the memory of Sue Frey, who passed away in May, 2013. The "Susan M. Frey Memorial Scholarship" will honor her invaluable contributions to the structural engineering profession.

After receiving her B.S. and M.S. from Purdue University, Sue was hired by CH2M HILL, where she spent her entire career as a structural engineer designing a wide variety of structures ranging from water storage reservoirs and wastewater treatment plants to performing arts theaters. In addition to providing high-quality work that was innovative and technically sound, Sue was dedicated to mentoring assistant design managers and junior structural engineers.

Sue served on the Civil Engineering Advisory Council at Purdue University for many years where she was awarded the Civil Engineering Alumni Achievement in 2005. In 2010, she won the CH2M HILL CEO Excellence Award, which acknowledges employees who go above and beyond their day-to-day responsibilities and who demonstrate exemplary alignment with CH2M HILL's governing value of Respect.

Sue devoted countless hours toward many national and international professional societies, helping to advance the improvement and refinement of building codes and design practices through the Masonry Society, the Masonry Standards Joint Committee, the American Waterworks Association, the Structural Engineers Association of Oregon, the American Concrete Institute, and the National Council of Structural Engineers Association (NCSEA). Recently she was appointed by the Governor as a board member on the Oregon State Board of Examiners of Engineering and Land Surveying.

Sue served as an adjunct professor in the Civil Engineering department at Oregon State University, beginning in 1995, and she frequently presented at seminars and webinars for the Northwest Concrete Masonry Association. Sue was very active on the NCSEA Licensure Committee. She helped to develop the NCSEA-Kaplan Structural Examination Review Course and taught the Masonry portion of the Review Course. To honor one of their finest instructors, NCSEA recently created the "Susan M. Frey NCSEA Educator Award" in recognition of her genuine interest in, and extraordinary talent for, effective instruction for practicing structural engineers. In addition to mentoring and teaching other engineers, Sue participated in mentoring events to encourage young women to choose technology careers.

Sue was SEAO President from 1997-1998 and served as SEAO's delegate to NCSEA and the Western State Council for many years. In October 2008, SEAO presented her with its first Lifetime Achievement Award in recognition of her service to the organization and the structural engineering profession. Sue was well respected amongst her peers.

The Susan M. Frey Memorial Scholarship will be awarded to one outstanding student who exemplifies Sue's dedication to structural engineering with particular emphasis on teaching and mentoring. The scholarship will not only honor her memory and recognize her accomplished career it will also assist students who share her interest in educating and instructing tomorrow's engineers. This year's Susan M. Frey Memorial Scholarship winner will be awarded a \$3,500 scholarship and will receive a complimentary seminar or monthly meeting sponsored by SEAO. Also this year, SEAOSF plans to award \$3,500 for the Don Kramer Memorial Scholarship and two \$3,000 scholarships.

If you would like to contribute to the Susan M. Frey Memorial Scholarship, donations can be made online at www.seaosf.org/ or a check can be mailed to:

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

(If you would like to designate your donation specifically for the Sue Frey Scholarship or the Don Kramer Scholarship, please include a note.)

Transitioning from the 2009 to the 2012 IBC (including ASCE 7-10) Structural Provisions

Presented by the Structural Engineers Association of Oregon (SEAO)

Date: **Wednesday, February 19, 2014 – 8:30 AM to 4:30 PM**
Registration Opens at 7:30 AM (Lunch Included)

Cost: \$200 SEAO Member (Includes Class Notes) \$250 Non-member
\$25 Late Fee (if registration received after February 12, 2014)
Students \$55 (Includes Notes) – Must show current student ID
No refunds after 12:00 noon, Wednesday, February 12, 2014

Register early; Maximum 100 people

**Program to be Taped
by Limelight Video**

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

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

Speaker: **S. K. Ghosh, Ph.D., President, S. K. Ghosh Associates Inc.**
Susan Dowty, SE, Project Manager, S. K. Ghosh Associates Inc.

S. K. Ghosh Ph.D., is a highly acclaimed speaker and author on seismic-related issues and concrete design, and has been involved with the development of national codes and standards.

Susan Dowty, SE, is the past Structural Secretariat for the IBC and consultant responsible for reorganizing the ASCE 7-05 seismic provisions. Ms. Dowty was extensively involved in code development during her 14-year employment with ICBO.

Summary:

This seminar discusses the major new features of the 2012 IBC structural provisions which reference ASCE 7-10, Minimum Design Loads for Buildings and Other Structures. Changes to the structural loading requirements as well as to the special inspection, foundation, and material provisions are presented. Subjects covered include updated material standards, revised load combinations, new live loads, new ponding requirements, revisions to wind and seismic design provisions, and new provisions in Chapters 17 and 18. This seminar material is designed to provide a great introduction to the 2012 IBC and assist the code user in making the transition to the new code.

Questions: Andy Stember (503) 657-9800

Transitioning from the 2009 to the 2012 IBC (including ASCE 7-10) Structural Provisions

Registration Form

Register Online at www.seao.org or

Send to: SEAO
PO Box 2958
Vancouver, WA 98668
(503) 753-3075

Make Checks Payable to:
SEAO

Firm Name: _____

Firm Address: _____

Phone _____

Name of Attendee(s) _____

of Attendee(s) _____ @ \$200.00 / each = \$ _____
(Nonmember \$250.00)

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

of Students _____ @ \$55.00 / each = \$ _____

of Videos _____ @ \$150.00 / each = \$ _____

_____ @ \$ / each = \$ _____

Total Enclosed = \$ _____

Visa Or Mastercard (circle one)

Name (as appears on card) _____

Credit Card # _____ exp _____

Cardholder Signature _____

50th Annual Engineers Week High School Program

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

YOU are an essential part of the 50th Annual Engineers Week Program.

The 50th Annual Engineers Week High School Program is coming up!

Date: **Wednesday, February 19, 2014**

Location: **Lloyd Center DoubleTree Hotel**

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

The SOLVE IT WORKSHOP will also be open from 4-6 PM for students and engineers to test their problem solving skills with some DESIGN CHALLENGES for everyone to explore.

The **Student Seminars & Solve It Workshop** are new additions to the E-week Program. The seminars are concurrent with the Exhibit Hall and give students the opportunity to learn about the college application process, college financial aid and the daily life of college engineering students. The Solve It Workshop gives students (and our sponsor engineers!) the opportunity to test your problem solving skills with hands-on design challenges.

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

To participate at E-week:

- Send the attached form and a sponsor check to Tova Peltz, c/o ODOT 5681 SW Arctic Drive, Beaverton, OR 97005.
- Email Tova Peltz at tova.r.peltz@odot.state.or.us for online registration and payment information.
- We will contact you with additional day of the event information.

We look forward to seeing you in February!

Engineers Week Sponsorship Levels

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

*Title sponsors will be included on all event publications if program support is committed by December 31, 2013.

E-week Registration

Company Name: _____

Contact Name: _____

Email Address: _____

Phone Number: _____

Sponsor level - check one:

- ☐ Platinum \$2,000
- ☐ Gold \$1,000
- ☐ Silver \$500
- ☐ Individual \$75
- ☐ I cannot attend, but I would like to sponsor a student - \$40

Send this form and a sponsor check to Tova Peltz, c/o ODOT 5681 SW Arctic Drive, Beaverton, OR 97005. Contact Tova Peltz at tova.r.peltz@odot.state.or.us or 503-641-8723 x228 for online payment information, or with any questions.

Thank you for your support!