



CONNECTIONS

April 2011 Volume 11 Issue 7

Newsletter of the
Structural Engineers
Association of Oregon

SEAO

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IN THIS ISSUE: PAGE

■ President's Message	2
■ April Dinner Meeting Info	3
■ Committee Updates	4
■ Jim E. Lundervold - In Memoriam	5
■ OSBEELS - A Conversation with Grant Davis	5
■ Skyhooks	6
■ Employment Opportunity	7
■ Call for Entries to NCSEA	7
■ A Tour of the New SEA Oregon Web Site	8
■ April Seminar Information	12

Upcoming SEA Oregon Meetings and Events:

April 21st: SEA Oregon Spring Seminar

Topic: *Guide to the Design of Diaphragms, Chords & Collectors*

Location / Time: Abernethy Center in Oregon City, Oregon / 8:30 am to 4:30 pm.

See attachment for seminar info and registration form.

April 27th: SEA Oregon Dinner Meeting

Topic: *Seismic Upgrade of a 15-Story Steel Moment Frame Building - Satisfying Performance Criteria with Application of Experimental and Analytical Procedures*

Speaker: James Malley, Degenkolb Engineers

Location: Governor Hotel

Videocast Venues: Corvallis (CH2M Hill), Eugene (Artisan Engineering)

Time: Check in at 5:30 pm w/dinner and presentation at 6:15 pm. The Newsletter Committee will meet prior to the dinner meeting at the Governor Hotel at 4:30 pm.

See page 3 for more information.

April 28th: Young Member Forum Happy Hour

Location / Time: Lucky Lab Beer Hall on NW Quimby between NW 19th & 20th Avenues. After 5:30 pm.

See page 4 for more info.

May 19th: Structural Masonry Design Seminar by NWCMA

Location/Time: Embassy Suites Hotel, Tigard / 8:00 am - 5:00pm.

See attached brochure for more information.

May 25th: SEA Oregon Lunch Meeting

Topic: *Modern Timber Bridges*

Speaker: Paul Gilham, Western Wood Structures, Inc.

Location/Time: Governor Hotel/ check in at 11:30 am w/lunch and presentation at noon.

July 27th: OACI / SEA Oregon Golf Tournament

Location / Time: Stone Creek Golf Club, Oregon City / 1:00 pm, shotgun start.

See attachment for more info.

Sept 22nd and 23rd: Structural Engineering Association 2011 NW Conference:

The conference this year is hosted by the Spokane and South Central Chapter of SEAW and will be held in Spokane Washington. See attached brochure.

Attention Vendors:

Booth space at our monthly meetings is available at a cost of \$150 per spot. Booths can be set up prior to the social time and be left up for the duration of the meeting. If you are interested in taking advantage of this marketing opportunity, please contact Jane Ellsworth at jane@seao.org to make the arrangements.

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: REDESIGNED WEB SITE

By: Trent Nagele, P.E., S.E.



With this newsletter, we're proud to be announcing the launch of a completely new and redesigned web site for SEAO. In many ways, this is the culmination of a process that has been on the boards, so to speak, for several years, as members and leaders alike all acknowledged that a new site was needed and began formulating what we wanted to see in a new site and how to accomplish the task.

Among the list of the objectives for the site was a need to enhance our abilities to communicate and process event and meeting registrations, as well as provide a usable platform for members to share information and resources. We also wanted to incorporate our emergency response database and resources. And, too, we wanted to update the appearance and make it more user friendly.

I'm excited to tell you that I think we've accomplished these goals, and more! Of course, you'll have to be the final judge. As you read this, if you're a member of SEAO, you should have already received a notice—via email—providing you with a new username and password. While these aren't required for many areas on the site, you'll need them to access some of the site features, including updating your membership account data and contact preferences.

So, let me share some of the things you'll see on the new site.

The first thing you should notice is that we've tried to give the site more life with a brighter appearance. The mast across the top of the site features pictures of Oregon projects, submitted by members of SEAO. We asked for photos this past December, and over 20 firms responded with photos from their projects and we've included many of them on the site. You'll notice that as you navigate through different pages, the pictures change, randomly selecting from this group. If you want to see all of the photos chosen for the mast, there's a link on the front page—or you can keep clicking, eventually you're bound to see them all!

Along the right side of the page, we've added a calendar. Communicating with you about meetings, and seminars, and other events is a top priority, so the calendar is available on nearly every page—you won't have to search for it! By clicking on an event, you can see more information and then register. If you're a member, you'll want to sign in to receive the member pricing. You can also register additional people as well. Realizing that many times there are several people who attend from a single office, we made it possible for you to register multiple people in a single transaction. You also have the choice of using a credit card to pay for an event or printing the registration and mailing it with a check. If you choose to use a credit card, the transaction is secure and will be processed directly by the site using secure host servers. Establishing the protocols and merchant accounting necessary to make all of this happen was one of the major components in the site development—but we think you'll find it makes registration much easier.

Another significant new feature of the site is the ability for members to update their membership account and contact information. By logging in to the site, you can access your address, email, employer and home address information. You can also tell us your preference of where you want to receive mail and email (at home or work). In past years, the SEAO Roster used to contain home address information and even the names of spouses. But, as times changed and the organization focused more on professional education with fewer "social" functions, this information was dropped from the roster in recent years. We're now finding, though, that as people change jobs and move, it's been difficult to contact many of our members. When you log on to the site for the first time, take a few moments to update this information. It will make it easier for us to contact you and ensure that you continue to receive all the news and information on the happenings and coming events that are an important benefit of your SEAO membership.

With member log-in, we're also able to share information with members that we wouldn't necessarily want to make publicly available. One of these is an online electronic membership roster. Don't worry, we're still publishing the hard copy edition that's the "go to" reference for so many—we're just adding the electronic

(Continued on page 6)

SEAO Committees

Technical

Doug Meltzer
doug@bmgpengiengineers.com

Seismic

Jason Thompson
Jason.thompson@kpff.com

Wind

Jim Riemenschneider
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Snow Load

Andy Stember
andy@jasenginc.com

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pkluvers@gmail.com

Website

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Aaron.burkhardt@kpff.com

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jomarie@equilibriumllc.com

Monthly Meetings

Jason Holland
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Golf Tournament

Melissa McFeron
melissa@miller-se.com

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Kevin McCormick
kevin@miller-se.com

Young Member Forum

Ciera Speer, Aaron Rudis,
SEAO.YMF@gmail.com

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andy@jasenginc.com

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Sue Frey
sfrey@ch2m.com

WCSEA/NWCC

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sfrey@ch2m.com

MASER, OBOA

Ron Vandehey
ron@miller-se.com

APRIL DINNER MEETING ANNOUNCEMENT

DATE: Wednesday, April 27, 2011

PLACE: The Governor Hotel, 614 SW 11th Avenue, Portland, OR 97205

The Max Light Right System stops just a block away from the hotel (The Galleria Stop) and Portland's Streetcar stops right outside the hotel. Smart Park is located at 10th and Yamhill about two blocks away from the hotel.

TIME: 4:30 pm Committee Meetings, 5:30 pm Check-In & Social; 6:15 pm Dinner & Presentation

COST: \$32 – Members
\$40 – Non-members
\$18 – Students

COST FOR VIDEOCAST LOCATIONS: \$20 – Members
\$33 – Non-members
\$13 – Students

RESERVATIONS: Pre-registration required. Register online at www.seao.org before noon, Friday, April 22. NOTE: No-shows will be billed. Contact Jane with any questions. Email: jane@seao.org, Phone: 503-753-3075.

Topic: Seismic Upgrade of a 15-Story Steel Moment Frame Building - Satisfying Performance Criteria with Application of Experimental and Analytical Procedures

The presentation will summarize the seismic analysis and rehabilitation design of a fifteen story steel moment resisting frame building constructed with connection details that were found to be vulnerable to fracture in the 1994 Northridge earthquake. This building is located in Oakland, California, less than five miles from the Hayward Fault.

Previous testing of the existing moment connections demonstrated that the beam flange to column flange complete joint penetration groove welds were vulnerable to fracture, and consequently the building presented a risk to life safety in the event of a major earthquake. Seismic rehabilitation to meet the requirements of the State of California, Department of General Services resulted in a retrofit scheme including a combination of moment connection strengthening and addition of viscous dampers.

Presented by: James O. Malley S.E., Group Director at Degenkolb Engineers, San Francisco, CA

About the Presenter:

James O. Malley, S.E., is a Senior Principal with Degenkolb Engineers. He received both his Bachelors and Masters Degrees from the University of California at Berkeley. Mr. Malley has over 28 years of experience in the seismic design, evaluation and rehabilitation of building structures. He was responsible for the analytical and testing investigations performed as part of the SAC Steel Project in response to the Northridge earthquake damage. In 2000, AISC presented Mr. Malley its Special Achievement Award. Mr. Malley is a member of the AISC Specifications Committee and the Chair of the AISC Seismic Subcommittee. He was named the 2010 T.R. Higgins Lectureship Award winner for his work on the AISC Seismic Provisions. Mr. Malley is also a member of the AWS Subcommittee on Seismic Welding Issues. Jim has served as a member of the SEAONC and SEAOC Board of Directors and was President of SEAONC 2000-2001 and SEAOC 2003-2004. He was named a SEAOC Fellow in 2007. He is presently a member of the Board of Directors of NCSEA and is serving as President for 2010-2011.

PROFESSIONAL DEVELOPMENT HOURS: 1 PDH credit will be provided to attendees. Make sure you sign in for your credit.

VIDEOCAST VENUES:

CORVALLIS
CH2M Hill
1000 NE Circle Blvd.
Building 10, Suite 10350
(541) 752-4271

EUGENE
Artisan Engineering
325 West 13th Avenue
(541) 338-9488

COMMITTEE UPDATES



COMMITTEE MEETINGS TO OCCUR APRIL 27

SEAO committees will be meeting April 27 before the dinner meeting at 4:30 pm at the Governor Hotel. Please feel free to contact committee chairs (list in sidebar on page 3) if you would like to join a committee or attend one of these committee meetings. A list of committees meeting on April 27 is provided in the calendar of events on Page 1.



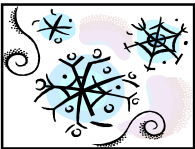
WIND COMMITTEE UPDATE by Jim Riemenschneider, P.E.

ATC WIND SPEED PROGRAM FOR ASCE 7-10, 7-05 & 7-02

<http://atcouncil.org/windspeed/>

Well, it's finally fully up to speed, pardon the pun. Enter the web site location provided above. A single page comes up and once a project's location is input (via latitude and longitude), the program will return design wind speeds for the ASCE 7-10, -05, and -02 documents and a map of the location you input. It also has a tab that links you to mapping sites in an effort to help in locating a project's latitude and longitude.

Big caveat: What it does NOT do is obtain design speeds within "Special Wind Regions", so it will remain blank with no results and read "Special Wind Region" in the results area; for example, here in the Portland area near the Columbia River, Columbia Gorge area, or out at the coast. For those areas, you will need to contact the local building jurisdiction for wind speed design information.



SNOW LOAD COMMITTEE UPDATE by Andy Stember, P.E., S.E.

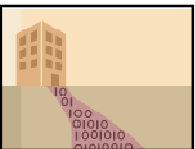
The Committee has been notified that the funding for the next phase has been completed by BCD, and OSU will begin to work on the new Prism run for the development of the electronic snow load map.



YOUNG MEMBER FORUM by Ciera Speer, P.E.

This month's happy hour will be Thursday, April 28th, at the Lucky Lab Beer Hall (on NW Quimby between 19th and 20th). Lucky Lab has a small parking lot adjacent to their building and street parking is free in this neighborhood. Come socialize with the young members of SEAO and AIA after 5:30pm.

In other YMF news, we will soon begin to plan our yearly educational outing with AIA. Previous outings have included an inside look at Fought & Co. Steel Fabrication, the bridges of downtown Portland, and the Portland Ariel Tram. If you are interested in helping plan this year's event or have some event ideas, please contact Aaron Rudis at SEAO.YMF@gmail.com. Any help is appreciated, no matter how small the time commitment you are able to make.



CODE COMMITTEE by Eric R. Watson, S.E.

The code committee met in early February and discussed the following items:

The use of powder actuated fasteners for suspended ceilings based on the available ICC reports, the new acceptance criteria (AC 358) for helical anchors, and the anchor bolt requirements considering prescriptive requirements and OSSC requirements.

Following the meeting, the State of Oregon developed a Statewide Code Interpretation that was approved by the state on April 12, 2011, which allows the use of PAFs in suspended ceilings and the special inspection testing requirements for each type of material you are fastening the PAFs to. You can review the new

(Continued on page 7)

In Memoriam



Jim E. Lundervold, Past President & Life Member of SEAO

Jim E. Lundervold, 71 of Gresham OR, passed away on Wednesday, March 16, 2011. He was born on April 5, 1939 in Barronett, Wisconsin to Edwin and Helen (Wuethrich) Lundervold. He graduated from Gresham High School in 1957 and served in the US Air Force from 1961 to 1966. He received his Bachelors in Science from Portland State University in 1969. Upon graduating, Jim started his engineering career working for Don Zarosinski at Zarosinski-Tatone Engineers in Portland, Oregon. A few years later, he founded and operated Jim Lundervold Engineers, Inc, where he practiced for 35+ years before retiring in 2007. Early in his career, Jim became a member of SEAO, where he served as past president in 1987-1988 and was later honored with a Life Membership in 2006. Jim also served as past president of ECCO (Engineers Coordinating Council of Oregon) in 1988-1989.

He is survived by his wife Debby; sons Chad, Mike, Mark, Tony, Scott, Gary, Dean; daughter Donna Pearson; brothers Ben, Larry, Dan; sister Pat Cota; twelve grandchildren and two great grandchildren.

A Service of Remembrance was held on Tuesday, March 22, 2011 at the First Baptist Church in Gresham, Oregon.

OSBEELS – A CONVERSATION WITH GRANT DAVIS

Grant Davis is the Structural Representative on the board of the Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS). Recently, he accepted an invitation to meet with SEAO's board to give us an update on OSBEELS and discuss several concerns regarding license renewals, enforcement, continuing education and reciprocity that had been raised by some of our members.

One of the significant concerns brought to our attention was a perception that the OSBEELS staff in recent years has begun to place a significant emphasis on enforcement of professional development hours (PDHs), which may have come at the expense of pursuing other cases relative to unsafe practice, which is far more time consuming, but of far greater importance than PDHs.

Grant was clear in his discussion of this topic that the OSBEELS board has provided clear direction that priority is always given to negligent practice enforcement cases over continuing education. However, he acknowledged that the rules adopted for the continuing education program and its enforcement have created some unforeseen challenges. The real issue OSBEELS is facing relates to the box on the renewal form where engineers indicate that they have completed the 30 PDHs required for renewal. Once an engineer checks the box, he/she certifies that the PDH requirement has been met. In last few years, a significant number of audited engineers have checked the box but could not produce proof that they had met the 30 PDH requirement--in effect lying to OSBEELS. OSBEELS is then forced to take disciplinary action on those that lied, and it has gotten very messy for all involved, making it look like PDH enforcement had been enhanced in some way. Grant reiterated that OSBEELS has not increased the amount of audits they do in any given year.

In an attempt to avoid the temptation for engineers to simply check the box, Grant said that OSBEELS is developing a PDH log sheet that will need to be filled out and submitted with the renewal application. By forcing engineers to go through the exercise of writing down the sources of their PDHs, the hope is that lying will be curtailed and engineers will feel compelled to obtain valid PDHs, thereby minimizing the effort required for enforcement of the PDH requirement. He also encouraged SEAO to investigate methods for members to obtain low cost PDHs similar to how architects do it in the magazine "Building Design + Construction". A technical article is presented, an on-line exam is given, and PDHs are earned after passing the exam.

(Continued on page 6)

REDESIGNED WEB SITE

(Continued from Page 2)

version to provide another option. Also, since it's linked directly with the membership database, the most up-to-date contact information will be available here. By logging in, you'll also have access to committee work pages and documents, newsletter archives, job postings, and publications.

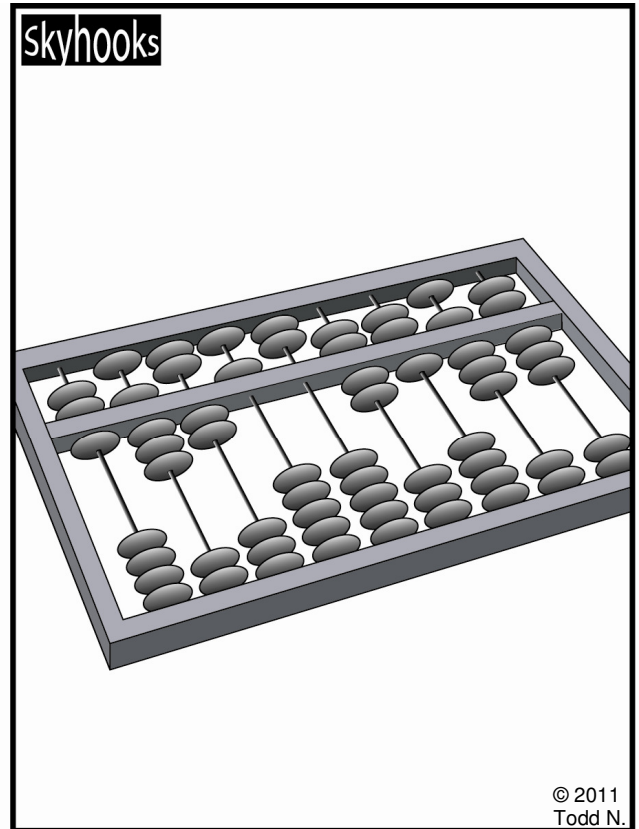
Another big addition is the inclusion of an emergency response database. When you access your membership account, there will be an option to modify your emergency response form. If you want to be considered for any emergency response requests that come to SEAO, you'll want to make sure this information is filled out and up to date.

Behind the scenes, a full content management system has been created to make update and management of the web site a breeze. In addition to simplifying site management for the web administrator, it will allow others, such as committee chairs, for instance, to update their committee pages and information in a simple WYSIWYG editor, giving them another tool to directly share information with committee members and others.

Of course, I'd be remiss if I didn't acknowledge some of the many people who have helped make this site a reality. First and foremost is our website committee chair, Aaron Burkhardt. Aaron has patiently coordinated with several years worth of SEAO boards, the committee chairs, our web design consultants, and me! to make this site a reality. It has been a significant undertaking, and his efforts and continued diligence in seeing it through are immensely appreciated. I also want to thank our past SEAO presidents, Jenny Carlson and Greg Munsel. They were instrumental in laying the groundwork needed to make a new web site possible. Greg wrote a meticulous RFP to solicit proposals and wade through a number of prospective web developers to ensure we'd have the necessary capabilities in the final site. Jenny began setting aside budgets, put the necessary contracts in to place, and officially kicked off the site development process that's finally now concluding. Finally, I want to thank the board and committee chairs for their reviews and input all along the way. This is SEAO's web site, and it should serve the organization well for many years to come.

So, take a look! Click through the areas and see what you think. Also, don't forget to read the article in the following pages. We've provided a brief walk-through of site and some of the features just discussed.

Finally, give us your feedback—especially the positive comments and accolades! ... I'm kidding, sort of! Remember that this is a volunteer organization. For the most part, we're only as good as the time and effort people like you are willing to give. So, yes, we would welcome your suggestions too. Just be open to maybe lending a hand in accomplishing the vision you share with us!



Now approved for the SE exam

OSBEELS

(Continued from Page 5)

The discussion then turned back to the negligent practice cases. Grant noted that the biggest challenge is that OSBEELS can only investigate a case if someone files a complaint against a registered professional. OSBEELS cannot send investigators out to do unsolicited detective work. In his opinion, Oregon's engineers are often hesitant about turning one of their fellow engineers in, so few complaints are filed. In particular, one of the main sources of complaints in years past has been the jurisdictional plan reviewers. However, recent trends have had a sharp decline in cases filed, as managers have discouraged reviewers from filing complaints because of the staff time required to assemble and follow the case through the full investigation process.

Finally, we touched on reciprocity. Concerns had been raised that with the newly developed NCEES Structural Exams, states may cease to acknowledge previous exams. California and Washington are often the first states to come up in these conversations. With respect to Washington's policy on exams and reciprocity, Grant stated that according to the Executive Secretary for Washington's Board of Registration, George Twiss, reciprocity requirements have not changed in years and are not anticipated to change. California, on the other hand, is a little more of an unknown. While Grant wasn't aware of any changes in their policies, it is not clear how they will handle future exams and reciprocity.

EMPLOYMENT OPPORTUNITY

FULL TIME STRUCTURAL ENGINEER

Miller Consulting Engineers, Inc. is a well-established, structural engineering firm, located in Portland, Oregon, and is looking for a entry-level engineer with 0-4 years of experience. We provide diversified structural engineering services and design with timber, concrete, masonry, composite and steel. We offer competitive salaries, are family oriented, maintain reasonable work hours, and have a great work environment. Benefits include medical and dental insurance, two weeks paid vacation (starting), seven paid holidays, sick leave, retirement, continuing education incentives, free parking and bonuses.

A bachelor's degree in civil/structural engineering is required. Entry level engineers will have the opportunity to work on a wide variety of projects, including commercial, industrial, residential, towers, retaining walls, specialty structures, seismic analysis/ retrofit, and historical restoration of structures utilizing all materials. If you are looking for this kind of work environment with diversified structural engineering, please contact us.

Contact information: fax: 503-246-1395 or email hr@miller-se.com

Compensation: Competitive – based on experience

SPEAKER WANTED

SEA Washington will be hosting the SEA Northwest Conference on September 22 and 23, 2011, in Spokane, and they are in the need of speakers to fill their two-day program. If you have an interesting project or topic that you would be willing to present at the Conference, please email Ed Quesenberry at edq@equilibriumllc.com or call him at (503)636-8388. This is your time to shine!

COMMITTEE UPDATES

(Continued from page 4)

Statewide Code Interpretation at the email address below or follow the link on the SEA web site :

www.bcd.oregon.gov/programs/structural/interps/1912.1_Power_Actuated_Fasteners-Suspended_Ceilings.pdf

Also, the Oregon Building Officials Association (OBOA) Special Inspection Program (SIP) held a meeting on April 6, 2011, in which the committee amended the OBOA program for agency renewal and is on track to adopt similar language that WABO has in place for agency registration. The committee intends to modify the current language over the next several months, so as to be equivalent with the WABO language and level the requirements across the State.

As there is no other current business before the committee, future meetings will be scheduled as required and the committee will not be meeting on April 27.

Call for Entries

NCSEA 2011 Excellence in Structural Engineering Awards Program

NCSEA announces the 14th annual Excellence in Structural Engineering Awards Program. Up to three Excellence in Structural Engineering Awards will be presented in each of the following eight categories: New Buildings under \$10M, New Buildings \$10M to \$30, New Buildings \$30M to \$100M, New Buildings over \$100M, International Structures over \$100M, New Bridge and Transportation Structures, Forensic/Renovation/Retrofit/Rehabilitation Structures, and Other Structural Design Projects. In each category, one of the three projects will be chosen as an Outstanding Project.

Entries are due July 22, and awards will be presented at the NCSEA Annual Conference Awards Banquet at the Renaissance Hotel in Oklahoma City on October 22, at the conclusion of the NCSEA Annual Conference. Winning projects will be featured in future issues of STRUCTURE magazine. For awards program rules and eligibility, as well as entry forms, see the Call for Entries on the NCSEA website:

www.ncsea.com

A TOUR OF THE NEW SEAO WEB SITE

Here are some of the features you'll see on the new SEAO web site...

New header and site appearance featuring Oregon structures, by SEAO members. The picture will change randomly as you navigate through the site.

Member login and account access



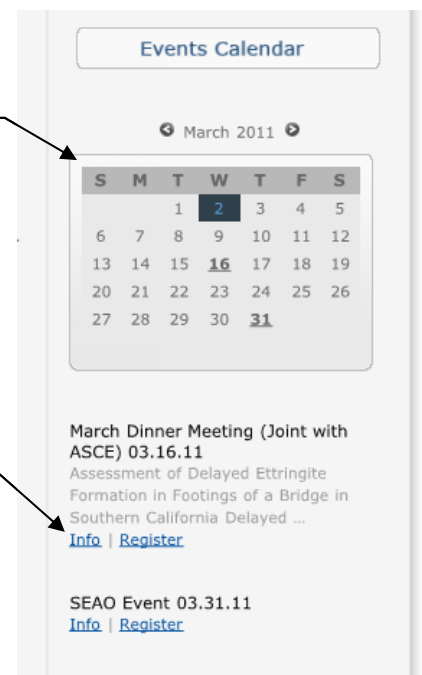
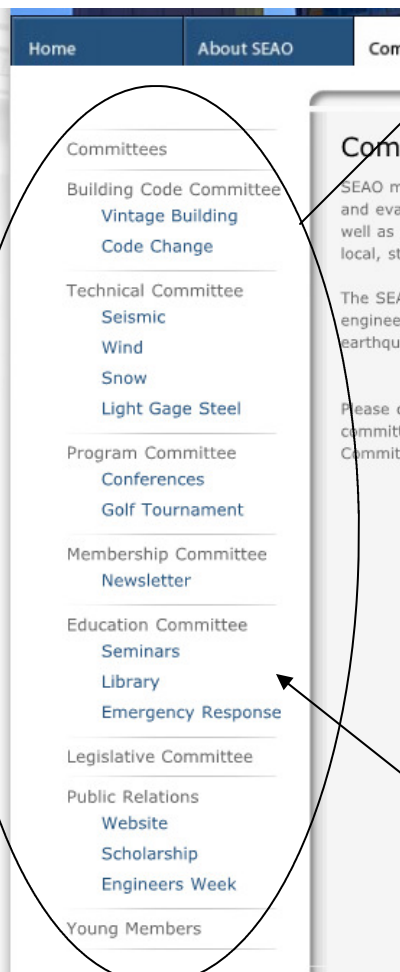
Simplified navigation with categories clearly shown across the top, and sub-category selection on the right

Status, showing if you've logged in. Login is only required for some areas of the site.

A calendar along the right margin is present on most pages. It shows dates with events. A summary of event information is also shown below.

Click here for more information on an event or to register

Notice that each committee has a page with information about the committee, it's members, meeting notes and information.



(Continued on page 9)

A TOUR OF THE NEW SEAO WEB SITE

(Continued from Page 8)

A full size calendar is available, showing events in a monthly format.

Events

Monthly Meetings

Golf Tournament

Sponsor an Event

Events Archive

Events

March 2011

Event Type: Show All View List

sun	mon	tue	wed	thu	fri	sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 MARCH DINNER MEETING (JOINT WITH ASCE) 6:00 p Register	17	18	19
20	21	22	23	24	25	26

For members who've logged in, you can access an online membership roster. You'll be able to access the full roster, and search by first name, last name, or company.

Member Roster

Below is a list of all current SEAO members.

Search Members

First Name:

Last Name:

Company:

Clear Submit

1 member found. Sorted by last name.

Print Members

First Name	Last Name	Company
joe member		seao board
aaron.burkhardt@kpff.com		(503) 555-5555
portland, portland, Oregon 97204		

(Continued on page 10)

A TOUR OF THE NEW SEO WEB SITE

(Continued from Page 9)

Registering for a meeting, seminar or event has never been easier...

Golf Tournament Registration

SEAQ Event - March 31, 2011

Portland, OR

DESCRIPTION

PDH CREDIT

RESERVATIONS

ABOUT THE SPEAKER

quantity of attendees

* Location: ☒ On Site

Number of Prepaid Members (\$10.00): 3

Number of Prepaid Non-Members (\$20.00): 2

Number of Prepaid Students (\$5.00): 0

Save and Continue

Clear

P.O. Box 3285, Portland, Oregon 97208 | p: 503-753-3075 | f: 503-214-8142
jane@seao.org | Comments about web site webmaster@seao.org

You may register for several people at one time. Just indicate the number of attendees in each category.

Then provide the names of each attendee. For members, you'll be able to select each name from a convenient drop down list.

For non-members, provide first and last names.

Golf Tournament Registration

SEAQ Event - March 31, 2011 - On Site

member attendees

* Name: member_joe - seao board

* Name:

* Name:

+ add more attendees X delete attendees

Total \$30.00

non-member attendees

* Name:

* Name:

+ add more attendees X delete attendees

Total \$40.00

payment

* Payment Options: Online Via Mail

Total \$70.00

Select 'Online' to pay with a credit card, or select 'Via Mail' and mail your registration with a check.

(Continued on page 11)

A TOUR OF THE NEW SEO WEB SITE

(Continued from Page 10)

My Account
Welcome, joe member

Modify Account Information

Modify Emergency Response Form

Membership expires: January 13, 2012 [Renew](#)

Account Information

member info

Name: joe member
Date of Birth: January 1, 1923
Membership Approved: Yes
Membership Expiration Date: Friday, January 13, 2012
Membership Code: 1 - Member (Oregon P.E.)
Graduation Date (If Student):
Year Joined: 2011

Member account information can be easily accessed and updated online...

To modify your account information, including your work and home contact information, where you prefer to receive SEO correspondence, and professional registrations, click on the 'Modify Account Information Tab'

To register as an emergency response volunteer, click on the 'Modify Emergency Response Form' tab.

Edit Emergency Response Form

Enter any changes you want to your emergency response information below. These changes will be reflected immediately.

emergency response

* On Emergency Team: ☒ Yes
☐ No

ATC-20 Trained: ☒

First Aid/CPR: ☒

Other Emergency Training:

expertise

Areas of Expertise: ☒ Residential
☒ Commercial Buildings
☒ High-Rise Structures
☒ Transportation Structures
☒ Utilities and Related Structures
☒ Industrial and Manufacturing
☒ Geotechnical

Materials: ☒ Wood
☒ Masonry
☒ URM
☒ Steel
☒ Concrete
☒ Prestressed Concrete
☒ Tilt-up

Languages:

Licensure:

Years of Engineering Experience:

Editing the Emergency Response volunteer form...

Guide to the Design of Diaphragms, Chords & Collectors Based on the 2009 IBC & ASCE/SEI 7-05 Seminar

Presented by the Structural Engineers Association of Oregon (SEAO)

Date: Thursday, April 21, 2011 – 8:30 AM to 4:30 PM

Registration Opens at 7:30 AM (Lunch Included)

Cost: \$225.00 (Includes Class Notes) Plus \$300 Non-member
\$25.00 Late Fee (if registration received after April 14, 2011)
Students \$100.00 (Includes Notes) – Must show current student ID
No refunds after 12:00 noon Thursday, April 14, 2011
Register early; Maximum 120 people

**Program to be Taped
by Limelight Video**

Location: The Abernethy Center
606 15th Street
Oregon City, Oregon 97045
(503) 722-9400

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

Speakers: Badri Prasad, SE, Vice President, TMAD, Taylor & Gaines Inc.
Rafael Sabelli, SE, Director of Seismic Design, Walter P Moore, Inc
Doug Thompson, SE, Partner STB Structural Engineers

Program: The 2009 IBC and ASCE/SEI 7-05 present clear and stringent design criteria for floor and roof diaphragms as necessary to resist wind and seismic loading. Diaphragms are often one of the most overlooked, under-designed, and/or inappropriately detailed areas of the building. Diaphragms should respond elastically to design wind and earthquake forces and their failure can lead to nonductile complete or partial collapse of the entire structure. Engineers are given little guidance in how to design and detail these systems. Simple deep beam models don't apply to typical building arrangements such as L shaped buildings, buildings with lateral resistance on three sides, irregular buildings and diaphragms with small or large openings. Using practical design examples this course presents simple analytical methods that appropriately account for these and other design conditions. The course is based on the recent NCSEA publication titled Guide to the Design of Diaphragms Chords and Collectors.

Speakers are the Authors of the Book

Questions: Andy Stember (503) 957-2808

Guide to the Design of Diaphragms, Chords and Collectors Based on the 2006 IBC & ASCE 7-05

Registration Form

Register Online at www.seao.org or

Send to: SEAO
9220 SW Barbur Blvd #119
PMB #336
Portland, OR 97219
(503) 753-3075

Make Checks Payable to:
SEAO

(503) 214-8142 (fax)

Firm Name: _____

Firm Address: _____

Phone _____

Name of Attendee(s) _____

of Attendee(s) _____ @ \$225 / \$300 NM = \$ _____

of Late Fees _____ @ \$25 / each = \$ _____

of Students _____ @ \$100 / each = \$ _____

of Books _____ @ \$70 / each = \$ _____

of DVDs _____ @ \$200 / each = \$ _____

*NM in Non-member Price

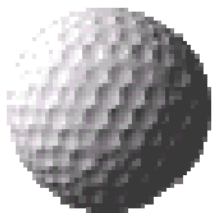
Total Enclosed = \$ _____

Visa Or Mastercard (circle one)

Name (as appears on card) _____

Credit Card # _____ exp _____

Cardholder Signature _____



2011 SEA0/OACI GOLF TOURNAMENT



WHEN: Wednesday, July 27th
Shotgun Start 1:00 PM
 Social Hour: 6:00 PM
 Dinner & Awards: 6:30-7:30 PM

14603 S. Stone Ridge Dr., Oregon City
 Phone: (503) 518-4653
 (exit 10 off I205, head east on HWY 213. After 6 miles
 turn right on to Leland Rd. Stone Ridge Dr. is on right)

WHERE: Stone Creek Golf Club
TOURNAMENT 4-person scrambles ONLY

DINNER: Lasagna dinner & beverage.

FEES: Golf & Dinner: \$90. (Includes cart & driving range)

INFO: Jane Phifer 503-753-3075 jane@seao.org
 Melissa McFeron 503-246-1250 melissa@miller-se.com
no refunds for cancellations after July 15th.

Appropriate "country club" attire is recommended: collared shirts, no denim, shorts must have a 6" inseam.
Soft spikes only.

Once again this year S.E.A.O. and O.A.C.I combine forces for return engagement of golf and merriment at *Stone Creek Golf Club*. *Stone Creek* is the newest golf course in the Portland area and is the pride of designer Peter Jacobsen. Participants will all enjoy the team spirit of playing a 4-person scramble.

We will have a shot-gun start, allowing us to all finish at the same time to share stories of the day's glory and despair, along with dinner, beverage and lots of prizes. Please note that in an attempt to encourage participation, the cost of the tournament has been reduced from last year's rate. We hope that you will come out and support both organizations.

The course offers a driving range, and large putting green to hone your skills prior to the tournament so come early. Power carts and range balls are included in the golf fee.

Don't forget to bring money for the raffle prizes and mulligans! This year's raffle prizes will be: Nintendo WII, Flat screen TV, Pressure washer, golf club, golf club cart and much more!!

PLEASE RETURN THIS ENTRY FORM BY: **July 5th** to:

S.E.A.O., 9220 SW Barbur Blvd. #119, PMB #336, Portland, OR 97219

Phone: 503-753-3075; Fax: 503-214-8142

Player Name's	Membership	Pmt. Enclosed
_____	<input type="checkbox"/> SEA0 <input type="checkbox"/> OACI	\$ _____
_____	<input type="checkbox"/> SEA0 <input type="checkbox"/> OACI	\$ _____
_____	<input type="checkbox"/> SEA0 <input type="checkbox"/> OACI	\$ _____
_____	<input type="checkbox"/> SEA0 <input type="checkbox"/> OACI	\$ _____

VISA/MC Accepted

Total \$ _____

Name: _____

Card # _____ exp date: _____

2011 SEA0/OACI
GOLF TOURNAMENT

DONATION / HOLE SPONSOR FORM

Sponsor Info:

Company: _____

Contact: _____

Phone / Fax #: _____

Email: _____

General Sponsorship

- ☐ HOLE SPONSOR/KP/Long Drive/Long Putt (\$125. / HOLE)
Hole Preference _____

Special Sponsorship

- ☐ 19th Hole Sponsor (\$375.)
Host keg of Micro-brew

- ☐ On Course Refreshment Sponsor (\$375.)

Host drink cart for one beverage per participate to be redeemed during play

- ☐ Golf Cart Sponsorship (\$200.)
Host the golf cart with a sign in each cart with your company name.

- ☐ Scorecard Sponsor (\$200.)
Host the scorecards with the name of your company on each card.

- ☐ Tee Prize Sponsor (\$300.) (Requires a minimum of 3 sponsors)
Host tee bag to be given to all participants. (Quantity = 125)

Raffle Sponsor

*Golf committee will purchase raffle prizes

- | | |
|---|--|
| <input type="checkbox"/> <u>Ninteno Wii (\$300)</u> | <input type="checkbox"/> <u>Air Compressor (\$300)</u> |
| <input type="checkbox"/> <u>Flat screen TV (\$300)</u> | <input type="checkbox"/> <u>Golf club (\$100)</u> |
| <input type="checkbox"/> <u>Pressure washer (\$300)</u> | <input type="checkbox"/> <u>3-wheeled golf pull cart (\$200)</u> |

INFO: Melissa McFeron 503-246-1250 melissa@miller-se.com

Jane Phifer 503-753-3075 jane@seao.org

PLEASE RETURN THIS FORM A.S.A.P. to:

S.E.A.O., 9220 SW Barbur Blvd. #119, PMB #336, Portland, OR 97219

Fax: 503-214-8142