



## Ken O'Dell Appointed to 2013-2014 Board of Directors

Newly elected board member Jia Wang, S.E. resigned from the Board of Directors on June 27, 2013, after accepting a new position with OSHPD in Sacramento. She will be relocating to northern California for the position and can no longer fulfill the obligations for the SEAOSC Board of Directors.

She writes, "I value the opportunity of collaborating with the best structural engineers in the industry in southern California, and I am excited to do my part serving the community. I wish you all the best and I know SEAOSC will be very successful." SEAOSC wishes Jia well in her new endeavors.

To fill Jia's vacated board position, Ken

O'Dell was appointed by Doug Thompson, SEAOSC President, according to the succession procedure set forth in the association bylaws.

Ken O'Dell, S.E. is a Partner with MHP Structural Engineers in Long Beach, California. He writes, "My interest and passion lies in helping promote the image of Structural Engineers beyond just being providers of boxy solutions. I think there is a huge opportunity to elevate/re-elevate the profession as far more exciting than "engineering".

He is looking forward to assisting SEAOSC's newly formed committees to elevate the profession and collaborating with the 2013 Buildings At Risk Summit. Ken can be reached at [kodell@mhpse.com](mailto:kodell@mhpse.com).

2013-2014 Membership Dues are now past due! Renew before Sept. 30



## President's Message

By Doug Thompson, S.E.



I hope that you were able to enjoy your summer with friends and family. As your new president of our association, it's a small honor to be writing this message.

One year ago our president Joe La Brie was leading us with "Start Again"; we were starting with a new business realignment plan and vision that our board of directors had adopted. With our realignment plan we set into motion a year ago, SEAOSC made great strides in being a better member-centric organization. We have an outstanding Board of Directors and executive director. We will be working hard to serve our membership and elevating our profession as structural engineers.

We have an excellent board of directors this year; our board has a good balance of engineers representing very large size

firms to small size firms, representing young engineers to senior principals.

Our new board members are Ken O'Dell of Myers, Houghton & Partners (MHP), James Parker of Simpson Gumpertz & Heger (SGH), Kelsey Parolini of Smith Structural Group and Ryan Smith of SidePlate Systems.

Our returning second-year directors are Francisco Garcia of FJ Engineering & Design Structural Consultants, Ifa Kashefi of the City of Los Angeles Department of Building & Safety, Diana Nishi of Englekirk Partners Structural Engineers and Daniel Traub of Walter P Moore & Associates.

Our officers on the board are Michelle Kam-Biron of the American Wood Council, Kevin O'Connell of Structural Focus, Joe LaBrie of MakeitRight and Doug Thompson of STB Structural Engineers. You can meet our board members at our monthly meetings where we

## UPCOMING EVENTS

(See inside newsletter for reservation forms and details.)

### Annual Golf Tournament

**Monday, August 26, 2013**

**Location:** Friendly Hills Country Club, 8500 S. Villaverde Dr., Whittier

**Time:** Noon-4:30 pm, Dinner 6:00 pm

**Cost:** Varies. See flyer insert.

### Los Angeles Dinner Meeting

**Wednesday, September 4, 2013**

**ASCE 7-10 & Beyond- What to Expect**

**Speaker: Ronald Hamburger, S.E.**

**Location:** Luminarias Restaurant, 3500 W. Ramona Blvd, Monterey Park, CA

**Networking:** 5:30 pm

**Dinner & Program:** 6:30-8:30 pm

**Cost:** \$35; Students: \$15;

Table for 8: \$245

### Los Angeles Dinner Meeting

**Wednesday, October 2, 2013**

**ASCE 7-10 & Beyond- What to Expect**

**Speaker: John Chrysler**

**Location:** Luminarias Restaurant, 3500 W. Ramona Blvd, Monterey Park, CA

**Networking:** 5:30 pm

**Dinner & Program:** 6:30-8:30 pm

**Cost:** \$35; Students: \$15



See the Save the Date on Pg. 16!

## Table of Contents

New Members	Pg 2
Calendar	Pg 3
In Memorium: Kariotis	Pgs 4-5
Destructive Core Testing of Masonry Walls	Pg 5
YM Cmte. Campus Clubs	Pg 6
Member Spotlights	Pg 7
Research Cmte. NEES	Pgs 8-11
Event Flyers	Pgs 12-17
Advertisements	Pg 19-21
Contact Information	Back

(Continued on Page 2)

## President's Message (continued)

(Continued From Page 1)

would like to cultivate a relationship with you.

Our board and committees have remained active over the summer. The Website Committee of Lynn Hanger, Casey Hemmatyar, Tim Kaucher and Larry Kaprielian have made good progress with our consultant in the complete rebuilding of our website. They are in the final stages of the website development. It has been a while since our site has been overhauled and I am sure you will be pleased with the results. There will be more about our new website later when it is complete. Kevin O'Connell, Craig Chamberlain and Russell Kehl successfully organized our Annual Golf Tournament that we held on August 26th at Friendly Hills Golf Club. Our Buildings At Risk Summit planning committees are in the final phases of our educational event scheduled for October 8th that will be held again at the Westin Bonaventure in Los Angeles.

### Member-centric association

SEAOSC is a "member-centric association". Our board is working hard to see that our members cultivate social contacts and encourage camaraderie among members. We are striving to increase participation by providing worthwhile events and opportunities that bring value to the membership.

### Committees

The board and I would like to continue with our momentum with strengthening our associations committees. Last spring, SEAOSC gave two webinars on our committees. It was surprising at how many

engineers expressed interest and enthusiasm in participating in committees. Committee work has been at the center of our organization since its inception but not so much in the last few years. If you have not been on a committee before, or have been in the past but not recently, the board would like to encourage you to consider being a part of what can be a very satisfying experience. A listing of committees is on our website. To join a committee, simply contact a board director or our Executive Director, Lynn Hanger, at [seaosc@seaosc.org](mailto:seaosc@seaosc.org).

### Seminars & Educational Events

The board and I would like to continue to work hard in improving our educational events. We know that a better event requires more planning. We also know that a better event we be attended by more members. Attendance by more members attracts sponsorships. The higher attendance and sponsorships allows SEAOSC to lower the attendance fees for our membership. Likewise the lower attendance fees attract even more attendance. If you haven't attended one of our educational events in the last year we know that you will be both pleased and impressed.

Thank you for being a part of this association. The board and I look forward to serving you in the upcoming year.

*Doug Thompson*

## WELCOME, New Members!

### Associate- AS1

**Amy Reinke**, Tetra Tech, Los Angeles, CA, [acreinke013@comcast.net](mailto:acreinke013@comcast.net)

**Sam Bass**, Self Employed, Los Angeles, CA [samuelpbass@gmail.com](mailto:samuelpbass@gmail.com)

### Associate- AS2

**Mr. Jaime Almaraz**, Southern CA Edison-San Onofre Nuclear Generating Station, San Clemente, [Jaime.almaraziii@gmail.com](mailto:Jaime.almaraziii@gmail.com)

**Jarod Mateko**, MiTek Industries, Chatsworth, CA [jmateko@yahoo.com](mailto:jmateko@yahoo.com)

### Member

**Mrs. Amie Nulman**, Arup, Los Angeles, CA [amie.nulman@arup.com](mailto:amie.nulman@arup.com)

### Member SE

**Matt Brown**, Newport Structural Design, Inc, Newport Beach, CA [MattB@NewportSD.com](mailto:MattB@NewportSD.com)

**Christopher Dominas**, KPFF Consulting Engineers, Irvine, CA [cdominas@kpff-irvine.com](mailto:cdominas@kpff-irvine.com)



## SEAOSC Calendar



### AUGUST

24	9:00 am	Young Member Committee General Meeting	Urth Cafe, Los Angeles
26	Noon	Annual Golf Tournament & Dinner	Friendly Hills Country Club, Whittier
29	Noon	Membership Committee	GoToMeeting
30		Membership dues due	

### SEPTEMBER

4	3:00 pm	Board of Directors Meeting	Luminarias Restr., Monterey Park
4	5:30 pm	L.A. Dinner Meeting	Luminarias Restr., Monterey Park
6		October Newsletter Deadline	

### OCTOBER

2	3:00 pm	Board of Directors Meeting	Luminarias Restr., Monterey Park
2	5:30 pm	L.A. Dinner Meeting	Luminarias Restr., Monterey Park
8	9-5:00 pm	Buildings At Risk Summit	Bonaventure Hotel, Los Angeles
15	9-5:00 pm	Buildings At Risk Summit	Delancy Foundation, San Francisco

## SEAOSC ANNUAL EVENTS: 2013

Feb. 6:	Student Awards Night Night
Apr. 30.:	Deadline to Submit Excellence in Structural Engineering Posterboards
June 5:	Excellence in Structural Engineering Awards Dinner & Past Presidents' Night
Aug. 26:	Golf Tournament, Whittier
Sept. 18-21:	SEAOC Convention, San Diego
October 8:	Buildings At Risk Summit, Bonaventure Hotel, Los Angeles
October 15:	Buildings At Risk Summit, Delancy Foundation, San Francisco
Oct. 17:	Great CA Shakeout Event

Information regarding these events can be found on the SEAOSC website.

*Mark your calendar now or save this page. Don't miss your favorites!  
Topics and dates subject to change — for the latest seminar details and registration go to [www.seaosc.org](http://www.seaosc.org)*

## UPCOMING MEMBERSHIP COMMITTEE MEETING

**Thursday, August 29, 2013 at Noon**  
**GoToMeeting**

Current SEAOSC members can participate in this general information session to learn more about membership committee tasks: cultivate social contacts and encourage camaraderie among members, welcome new members into SEAOSC, assist with events, leverage our social media, and more!

**Speakers:** Kelsey Parolini, Membership Board Contact & Lynn Hanger, Executive Director

**Time:** Noon-1:00 pm

**Cost:** FREE!

**RSVP:** Please email [seaosc@seaosc.org](mailto:seaosc@seaosc.org) for the log-in instructions.

## Seminar Registration How-To

Please go to [www.seaosc.org](http://www.seaosc.org) for secure online registrations or use the enclosed registration flyers. Be sure to remember to log in to the website as a member to take advantage of SEAOSC's member benefit of member pricing. It is advised to register early to ensure a seat. Please note that confirmations will only be given to those people who register via the SEAOSC Website.



Next SEAOSC  
Newsletter Deadline:  
September 6  
for the October Newsletter

## In Memorium John C. Kariotis, S.E. Member Since 1967



*Written by: Earl Schwartz, S.E., Allen Asakura, S.E., Karl Deppe, S.E.-- all retired from Los Angeles Department of Building & Safety*

For over 40 years, John Kariotis, S.E., worked tirelessly in developing standards to strengthen earthquake vulnerable buildings in which people live or work. The city of Los Angeles has especially benefitted from his persistent efforts to rehabilitate its most seismically vulnerable buildings.

John's initial effort began with unreinforced masonry (URM) buildings following the 1971 Sylmar Earthquake, which caused loss of life and major damage to those structures. After passage of a 4-point study plan by LA City council in 1976, Kariotis volunteered to chair a technical committee and helped by his extensive experience with historical buildings, provided the leadership, input and direction for development of a 'Draft' Division 68 Ordinance, to seismically strengthen URM buildings.

The ordinance was unique in that it effectively used existing elements of the structure, including URM walls, floor and roof sheathing, plastered wall partitions, etc., to resist earthquake forces, which resulted in a fraction of the cost otherwise needed to demolish and replace the building. While working in Italy, John had been involved in a program to test the strength of mortar in URM walls, which established a test method for determining mortar strength. This research along with further testing, resulted in the assignment of structural values to these building elements, thereby saving many URM buildings.

LA City Council led by Councilman Bernson, then authorized a cost study by a private SE firm. The ordinance was then used to design the seismic strengthening of 4 existing buildings. And the very low cost of building strengthening played a key role in the passage of the February, 1981, Div. 68 URM Ordinance, an important addition to LA City's Building Code.

In the mid-1980s, John exerted a leadership role once again in the development and adoption of the ABK (Agbabian, Barnes and Kariotis) Design Methodology. This provided a 2nd design approach for URM buildings. This work included testing of dynamically loaded diaphragms and out-of-plane URM walls, and thus the ABK Design method was added to Division 88 (an updated Div. 68). Use of the ABK design reportedly resulted in even further reduction of URM strengthening costs. (Note 1- over 6000 of the original 8000+ buildings were strengthened, and 2- the ordinance's two

design methods were based on life safety, and there was no loss of life in strengthened URM buildings in the 1994 Northridge earthquake.)

During the life of the URM building strengthening program (1981-1994), John continued to fill a vital role, by

- 1- rendering valued input at SEAOSC subcommittee meetings on URMs,
- 2- playing a leading role in URM seminars and presentations, and
- 3- always being generous with his time in providing guidance to Earthquake Safety Division engineers for especially difficult technical issues.

In 1992, the Department of Building and Safety's (DBS) Earthquake Safety Division began submitting parts of a strengthening ordinance developed by Doc Nghiem, SE, for 2000+, pre-1976 Tilt-Up (TU) concrete buildings, to SEAOSC's Hazardous Building Subcommittee (SC). As weekly portions of the draft ordinance were presented to the SC, John provided key input in ensuring its overall accuracy and effectiveness. The final ordinance was approved by SEASOC, LADBS, and the Board in 1992, and by LA City Council on February 7, 1994, 3 weeks after the 1994 Northridge earthquake.

Additionally, in 1992, John's passion for saving older URM buildings gave way to a new leadership role in helping LADBS to fulfill a commitment to city and state under SB 547, to develop a seismic strengthening standard for roughly 1100 buildings with steel or concrete frames and masonry infills. This effort was slowed by a lack of funding for testing and research until the 1994 Northridge earthquake.

Following the Northridge earthquake, the City of LADBS and SEASOC (COLA/SEASOC) formed a task force of primarily SEs to study the seismic damage to structures, and convert their findings into code changes for improved performance of new construction, and retrofit guidelines or standards for existing construction. Once again, John provided valued input for code amendments to both the pre-1976 TU Ordinance (Div. 91) and to the new code on anchorage of concrete and masonry walls to flexible diaphragms under high amplification from earthquake loading.

*(Continued on Page 5)*

## In Memorium John C. Kariotis, S.E. Continued



John also contributed to the COLA/SEAOSC Damage Study in providing SC leadership for a seismic retrofit ordinance of pre-1976 NDC buildings that included concrete frames with masonry infills. The final Div. 1995 NDC Ordinance was approved by SEASOC, LADBS and the Board and passed by Council in August 1996 as a Voluntary Div. '95 Ordinance. Although not made mandatory by LA City, about 30 NDC buildings were voluntarily rehabbed.

Though semi-retired, John continued working with the SEASOC subcommittees, to update the URM, TU and NDC seismic retrofit approaches in the IEBC and ASCE 41. In the months prior to John's June 2013 passing, he was working on an updated version of a standard for NDC structures, which are considered by most SEs as one of if not the most seismically hazardous class of buildings.

John Kariotis's overall dedicated effort and success to the rehabilitation of older buildings is unmatched. LA City is indebted to him for his enormous contribution to that end and to his profound knowledge and love of the art of engineering.

---

*Written by: Earl Schwartz, S.E., Allen Asakura, S.E., Karl Deppe, S.E.-- all retired from Los Angeles Department of Building & Safety worked closely with John and SEAOSC for many years. Our LA City Department of Building and Safety and the people of LA are the recipients of this engineer's brilliance. John devoted countless hours in making LA's most seismically vulnerable buildings far safer places to live and work.*

*Photo provided by Doc Nghiem, taken at Carmin Restaurant in Pasadena around Christmas 2012 where they shared a pleasant lunch. John was Doc's mentor and will be greatly missed.*

## Destructive Core Testing of Masonry Walls Conflicts with Intent of Original Regulation

**Kurt Siggard** of the Concrete Masonry Association of California and Nevada and **John Chrysler** of the Masonry Institute of America have extensively researched this issue and published a peer-reviewed paper, *The History and Significance of Coring Masonry Walls*, which was presented at the 12th Canadian Masonry Symposium in June 2013. The full text of the paper is available on-line at [www.cmacn.org/PDF/The\\_History\\_and\\_Significance\\_of\\_Coring\\_Masonry\\_Walls.pdf](http://www.cmacn.org/PDF/The_History_and_Significance_of_Coring_Masonry_Walls.pdf).

This 11- page paper provides detailed history of the genesis of the requirement and correct application as intended by the developers of the provision. The paper also provides detailed information on the difficulties associated with core extraction and testing due to the lack of any published Standards to guide the extraction and testing procedure.



Long Beach, California, Earthquake March 10, 1933. View showing damage to Jefferson Junior High School. Photo from Capt. T.J. Maher, Coast & Geodetic Survey.

In the early 20th century, the predominant design and construction of structural masonry consisted of unreinforced double-wythe (width) clay brick walls. The 1933 Long Beach Earthquake proved that this method was unacceptable and since then, masonry in higher seismic areas has been reinforced and grouted. Other developments, such as single-wythe masonry and code-required ties connecting double-wythe masonry, have been implemented making masonry an acceptable and safe building material even under the highest seismic exposure.

The masonry coring procedure, a reaction from the era of unreinforced masonry, attempts to verify a shear bond between the masonry unit and grout. Verifying the bond between the masonry unit and grout made sense when the wythes of masonry were not physically connected.

Today, nearly 100% of structural masonry constructed in high seismic areas is a reinforced single-wythe unit configuration with grout filling the cells. The opposite faces of the single-wythe masonry unit contain one or more webs providing strong positive connection. Research shows that shear bond between the grout and masonry unit exists, however, the masonry code (Building Code Requirements for Masonry Structures TMS 402/ACI 520/ASCE 5) assumes masonry to be a cracked section, therefore any bond between the grout and masonry unit is an added bonus to the conservative factor of safety already in place.

*John Chrysler will be presenting at the October 2, 2013 Los Angeles Dinner Meeting. Registration is now open at [www.seaosc.org](http://www.seaosc.org).*

# Young Member Committee Supports University Campus Clubs

Preston Nirattisai, 2013-2014 Chair of the Younger Member Committee met with SEAOSC members and students at Urth Cafe in Los Angeles to brainstorm new ideas.



The Younger Member Committee met at Urth Cafe in Los Angeles to introduce the new Chair of the committee, Preston Nirattisai. After many years, former Chair Albert Lopez has decided to “pass the torch” to Preston, though Albert will continue to be involved in the planning and execution of YM activities.

Preston is taking the lead to coordinate with local colleges and universities to establish and promote a SEAOSC chapter on each campus. An ambitious undertaking, Preston increased the efficiency of managing each campus club by creating an electronic form using Google Forms. Four campus club teams have already completed this form which allows SEAOSC to gather information from each club regarding its planned events, use of funds and cooperation with other industry clubs on campus such as AIA, EERI or ASCE.

The four schools to participate are:

- University of Southern California
- Cal Poly San Luis Obispo
- Cal Poly Pomona
- California State University Northridge

The early results from this questionnaire indicate the average campus club has about 20-30 students, and will

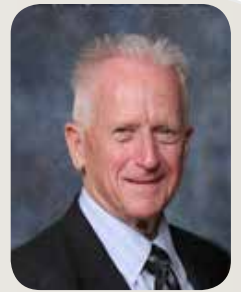
be promote events such as tours, social events, leadership workshops and guest speakers. These clubs will be funded by their own school’s budget and fundraising opportunities.

Each club that responded has pledged to participate and support the annual student scholarship program in February.

California State University Northridge is establishing a brand-new SEAOSC club on their campus. Although Cal Poly Pomona has had an existing club on campus for several years, their questionnaire response offered SEAOSC new insight into the club’s purpose, “Our club gives student members the opportunity to listen to guest speakers from industry, participate in technical tours and events and network with professionals. This allows students to become an invested member in SEA-CPP and SEAOSC and fosters a more knowledgeable and enthusiastic candidate pool for employment or graduate studies.”

The next YM meeting will be held on August 24th at Urth Cafe in Los Angeles to discuss and coordinate upcoming events with the camps clubs since most schools return from summer break in September. All SEAOSC members and students are welcome to attend.

For more information, please contact Preston Nirattisai at [pnirattisai@gmail.com](mailto:pnirattisai@gmail.com).



## Matt Brown, S.E.

Member since 2013

Employed at Newport Structural Design, Inc.

Email: [MattB@NewportSD.com](mailto:MattB@NewportSD.com)

**Favorite Movie:** The Empire Strikes Back

**Proudest Accomplishment:** Passing the S.E. exam and starting my own business

**Childhood Ambition:** To become an architect (go figure!)

**Biggest Challenge:** Finishing three college degrees in 6.5 years

**First Job:** Dish Washer at Knights of Columbus

**Best Job:** President of my own Engineering firm

**Why Join SEAOSC:** A desire to participate in the local structural engineering community. I look at SEAOSC as a great opportunity to network with other local engineers, and to promote both my business and the profession of structural engineering.

**Next Steps:** I finally got my S.E. license in January of this year and decided to start my own firm. I would like to grow my business.

## Garry D. Myers, S.E.

Member since 1973

Email: [GMyers@MKCGlobalinc.com](mailto:GMyers@MKCGlobalinc.com)

Garry D. Myers, S.E., is pleased to announce the formation of **MKC Global Protection, Inc.** bringing together the 100 years of unique experience in the field of blast risk assessment and protective design of MHP, Inc. and Karagozian & Case.

The new firm will consult in the areas of Threat Risk Assessment, Blast Vulnerability Assessment, Blast Mitigation Options and Blast Resistant Design in the Middle East, South Asia, Africa and the Pacific Island nations.

MKC Global Protection, Inc. is headquartered at 700 N. Brand Blvd, Suite 700, Glendale, CA 91203.

For more information, contact Garry D. Myers at [gmyers@mkcglobalinc.com](mailto:gmyers@mkcglobalinc.com).

## SEAOSC Supports Research Committee in NEES-Soft Testing UPDATES

As announced in the SEAOSC July/August newsletter, the SEAOSC Board of Directors approved use of funds to help support the research testing at UCSD for the **NEES-Soft Testing Program**.

Below is series of updates provided by Professor John W. van de Lindt, Colorado State University, regarding the success of the project.

For more information, please contact:

John W. van de Lindt, Ph.D.  
George T. Abell Professor in Infrastructure  
Civil and Environmental Engineering  
Colorado State University  
Fort Collins, CO 80523-1372  
(970) 491-6697  
jwv@engr.colostate.edu

*August 17, 2013*

Dear Colleagues,

Please review these low-res images [see pages 9-10] of the soft-story collapse at NEES@UCSD and a video:

<http://youtube/25hCATGKSbI> The video was taken by S. Pryor of Simpson Strong-Tie. The building was able to survive 17% drift but ultimately collapsed as shown.

Best regards, John

*August 15, 2013*

Dear Colleagues and Friends,

On behalf of the NEES-Soft project team I am pleased to let you know that the first four phases with four different retrofits have all been completed successfully, with testing over the last month at the NEES@UCSD site. An update is attached for those of you that are interested in the details.

The building has been restored to its un-retrofitted soft-story state and the last test will be a collapse test on Saturday morning as explained in the attached file. It will be shown live on-line in HD at: <http://nees.ucsd.edu/video/>

All test videos are available on my YouTube channel at: <http://www.youtube.com/channel/UCf4RMIUGIqLW7rvpUn-up9Q>

Please let me know if you plan to attend the shake in person on Saturday morning. Hope to see you here.

Best regards, John

*August 2, 2013*

On behalf of the entire NEES-Soft Project Team please find attached a brief update with some results from the NEES@UCSD and NEES@UB test programs taking place concurrently. An updated project schedule is also attached for the UCSD test program and Monday's test schedule for those interested in



attending. Finally, below is a link to the youtube channel with videos of the two large shakes for Phase I and Phase II at UCSD. <http://www.youtube.com/channel/UCf4RMIUGIqLW7rvpUn-up9Q>

Please let me know as soon as possible if you will be attending the collapse test of the un-retrofitted building at on Saturday, August 17 at 10:00 a.m. Here is a link to the address and hotel information near the Englekirk Structural Engineering Center in San Diego: <http://nees.ucsd.edu/about/visit.shtml>.

Best regards, John

*July 17, 2013*

Dear Colleagues,

On behalf of the entire NEESWood Project Team I am very pleased to be able to tell you that the first large test of the Cross Laminated Timber retrofit went perfectly. The retrofit was designed for a 20% POE of the FEMA P807 criteria using the Weak Story Tool at 0.9g Sa. The drift at the front of the garage wall line was just over 2 inches (2.05%) and included significant torsion which you can see in the youtube video link of the test below. The plywood on the ceiling at garage level was able to transfer shear back to the CLT rocking walls as designed. The upper three stories behaved close to a rigid box as was expected with some very moderate hairline

*(Continued on Page 9)*

View more NEES project photos and videos:



[Facebook.com/SEAOSC](https://www.facebook.com/SEAOSC)



[YouTube.com: search on "John van de Lindt" to view](https://www.youtube.com/search?q=John+van+de+Lindt)



[NEES.UCSD.edu/video](http://nees.ucsd.edu/video)



## NEES-Soft Testing Updates

(Continued from Page 8)



cracks starting on the second floor window corners.

The attached photos show the level of damage. The building is being repaired and GWB mud will dry overnight. We will conduct one more earthquake with the same seismic intensity tomorrow (7/18/13) morning between 8:00 and 8:30 Pacific time – the Cape Mendicino – Rio Record. Then, immediately following damage inspection, a Simpson Strong Tie SMF will be installed based on a P807 retrofit designed for a 20% POE of 807 criteria at 1.1g Sa.

Here is a link to the live video feed outside and 15 cameras inside the building for those interested: <http://nees.ucsd.edu/video/>  
Best regards, John

*July 14, 2013*

Dear Colleagues,

The NEESWood Project Team will be testing a full-scale 4-story soft-story woodframe building over the next 4 weeks at NEES@UCSD. The first test will be this Monday/Tuesday July 15/16. Two small shakes will be run beginning sometime in the afternoon on July 15 and two significantly larger shakes will be run on July 16 beginning approximately 9:00 a.m.

Here are a few key points for those of you interested:

1. The attached photo shows the building as of July 12 with the safety towers in place. It represents 1920's to 1930's Bay Area construction and has horizontal wood siding, hardwood floors, and gypsum wall board in place of plaster on the upper three floors.

2. The retrofit is designed to 50% MCE for an MCE of 1.8g Ss and was designed in accordance with the FEMA P807 guidelines. It has a 20% probability of exceeding the P807 criteria at 0.9g. This level of retrofit is approximately (POE under development/discussion as I understand it) equal to the San Francisco mandatory retrofit ordinance that was passed approximately two months ago. The building is expected to be damaged but still structurally safe enough for occupancy.

3. The cross laminated timber retrofit consists of eight 2-ft wide rocking walls with CLT provided by Innovative Timber Solutions-Smartwoods based in Whitefish, MT, plywood on the

*(Continued on Page 10)*





## NEES-Soft Testing Updates

*(Continued from Page 9)*

underside of the 2nd floor diaphragm, and a number of Simpson straps and clips. A photo of the retrofit portion of the building in the garage is attached.

4. A full schedule chart in PDF is attached for those of you interested in attending another test with a different retrofit. Please note that these dates are subject/likely to change but it is as accurate as I have now.

5. Please let me know via email if you plan to attend the tests this week so we can put you on a list with a bit more detail for that series of shakes. Tuesday will be the more interesting day with shakes at 50% MCE whereas Monday will be small shakes beginning after lunch, ~1:00 p.m.



*The building survived 17% drift and ultimately collapsed.*

# Young Member Committee Tours NEES-Soft Project Site

By Sarah Fung

Younger Member Committee, Student at UCSD

SEAOSC YM most recent field trip was to NEES Outdoor Shake Table facility at UCSD on Saturday, July 27, 2013. Nearly 50 members attended this unique event. Members toured the facility to see the UCSD Blast Simulator and its post-test specimens. Event coordinator, Dan Radulescu, also took the group under the UCSD Outdoor Shake Table for an inside look of what actually generates this massive instrument.

After the tour, several UCSD researchers gave presentations of their projects and how they used these instruments to help them in their studies. Topics included:

- MSE Retaining Walls
- Structural/Non-structural Building System during Earthquake
- Seismic Response of Bridge Columns

This event not only offered the opportunity to see the largest outdoor shake table in the US but also allowed the members to gain a better understanding of how it is used to predict structural performance under seismic activities.

We received many positive comments from our members:

“The tour at UCSD’s Englekirk Structural Engineering Labs was an enlightening experience. It gave us insight into the interesting and important field of tailoring and retrofitting structures to withstand seismic loads.” – *Nathan Jo, Cal Poly Pomona Student*

“This trip promoted SEAOSC as a professional organization, and it drew in student and professional members alike. There were also many new members on this trip and we saw that they all had a great time, jumping right in and making new friends and connections. SEAOSC is certainly growing.” – *Preston Nirattisai, SEAOSC YM Committee Chair*

Member Ed Laththitham, from EDL Structural Engineering Inc., thought the event was very educational and his favorite part of the event was the presentations.

We want to thank Mr. Dan Radulescu and the rest of the staff at NEES@UCSD for hosting this wonderful event and providing lunch for all attendees!



**A big thank you to SEAOSC from the students and alumni at Cal Poly Pomona! — with Nathan Jo, Chris Joe, Mike Phillips, Eddie Vega, Mohammad Sassani, Dante Riveragranados, Lawson Ho and Arash Borujerdpur.**



# 2013 SEAOSC GOLF TOURNAMENT at Friendly Hills Country Club

8500 South Villaverde Drive, Whittier, CA 90605 (562) 698-0331

**MONDAY, AUGUST 26, 2013**



***SIGN UP TODAY!***

**Be a Golfer or a Sponsor!**

A portion of the proceeds will benefit the SEAOSC Scholarship Fund

10:30 am - Check in and hit balls on the driving range

12 Noon - Shotgun Start (Scramble Format)

4:30 pm - Social Hour (No-Host Bar)

6:00 pm - Dinner, Awards and Raffle

**\$10,000 Hole-In-One Prize  
Golf Awards & Door Prizes  
Fun for Everyone!!!**

Questions?

Tournament Chair: Kevin O'Connell, (310) 323-9924, [oconnell@structuralfocus.com](mailto:oconnell@structuralfocus.com)

Executive Director: Lynn Hanger, (562) 908-6131, [seaosc@seaosc.org](mailto:seaosc@seaosc.org)

See reverse side for sign-up sheet and details



**2013 SEAOSC GOLF TOURNAMENT**

**FRIENDLY HILLS COUNTRY CLUB,**  
8500 South Villaverde Drive, Whittier, CA 90605  
**Monday, August 26, 2013**

**GOLF**

*Includes green fee, range balls, tee prize, box lunch, dinner & raffle ticket!*

**CHECK-IN TIME 10:30 AM SHOTGUN START 12 NOON**

Foursome Requested*	Phone Number	Email Address
_____	_____	_____
(Main Contact Above)		
_____	_____	_____
_____	_____	_____
_____	_____	_____

\* Full foursome sign-ups will receive complimentary Tee Box Sign.

**DINNER ONLY**

*Includes Dinner & Raffle Ticket*

**COCKTAIL SOCIAL HOUR 4:30 pm, DINNER 6:00 pm**

Name	Phone Number	Email Address
_____	_____	_____
_____	_____	_____

**GOLF & DINNER \$175 PER PERSON**  
(For registrations received on or before August 5, 2013) \_\_\_\_\_

**LATE REGISTRATION \$225 PER PERSON**  
(For registrations received after August 5, 2013) \_\_\_\_\_

**DINNER ONLY (NO GOLF) \$55 PER PERSON** \_\_\_\_\_

**BE A SPONSOR, SUPPORT SEAOSC**  
(Contact Kevin O'Connell for Sponsorship Opportunities) \_\_\_\_\_

**TOTAL AMOUNT DUE** \_\_\_\_\_

Mail Checks to:  
SEAOSC  
1105 South Euclid St.,  
Ste. D-409  
Fullerton, CA 92832  
(562) 908-6131  
Email: SEAOSC@seaosc.org

Credit Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_



# Los Angeles Dinner Meeting

Wednesday, September 4, 2013

## Program: "ASCE 7-10 and Beyond -- What to Expect"

**Abstract:** This newly revised standard offers a complete update and reorganization of the wind load provisions, expanding them from one chapter into six. It also updates the seismic, snow load, live load, and atmospheric icing provisions. Mr. Hamburger will give an overview of significant changes from the previous edition and discuss the direction of future editions.

## Speaker: Ronald Hamburger, SE, SECB

Ron Hamburger is a Senior Principal at Simpson Gumpertz & Heger Inc. in San Francisco, a past President of SEAONC, SEAOC and NCSEA. A past member of the SEAOC Seismology and Existing Buildings Committees, past chair of the BSSC Provisions Update Committee, and current chair of the ASCE-7 Main Committee he has been a leader in the development of building codes and standards for more than twenty years. Mr. Hamburger will provide a brief highlights of ASCE 7-10, which will be adopted by the 2013 California Building Code, and a look-ahead to ASCE 7-16, presently in development.



**Location:** Luminarias Restaurant, 8500 Ramona Blvd, Monterey Park, CA

**Networking Time:** 5:30pm **Dinner:** 6:30pm Chicken entree **Program:** 7:30-8:30pm

**Cost:** \$35; Students: \$15;

**NEW! Reserve a Table: \$245** That's 8 seats for the price of 7! Please provide name of primary attendee below; additional attendee names not required. Advance registration only.

**Reservations:** Make advance reservation before Friday, Aug. 30 via SEAOSC.org, fax or email. SEAOSC is charged for "no-shows" so please notify office if you must cancel. "Walk-ins" welcome. **Please provide advance notice if you prefer a vegetarian entree.**

---

### LOS ANGELES DINNER RESERVATION FORM: SEPT. 4, 2013

Reservations Due Before: Aug. 30, 2013

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Your email: \_\_\_\_\_

Individual Attendees: \_\_\_ @ \$35 = \$ \_\_\_\_\_

Number of Tables: \_\_\_ @ \$245 = \$ \_\_\_\_\_ Number of Students: \_\_\_ @ \$15 = \$ \_\_\_\_\_

Table group or firm name(s): \_\_\_\_\_ TOTAL = \$ \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Expiration: \_\_\_\_\_

Signature: \_\_\_\_\_ 3 digits on back of card: \_\_\_\_\_

Billing Address: \_\_\_\_\_ Zip Code: \_\_\_\_\_



# SEISMIC BASE ISOLATION EXISTING STRUCTURES SOLAR WIND

## REGISTER NOW...

for the SEAOC Convention hosted by SEAOSD on the shoreline of San Diego's Mission Bay. We have big plans for this year's convention you won't want to miss!

**September 18-21 2013**

## HILTON SAN DIEGO RESORT & SPA

Only a 10 minute drive from the San Diego International Airport

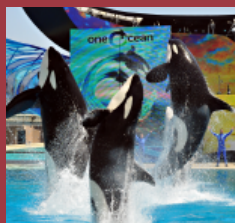
For more information: [convention.seaoc.org](http://convention.seaoc.org)

Go to [sandiegohilton.com](http://sandiegohilton.com) and use Group Code SEA to get \$209 room rates

## FEATURING:

- Dinner Event at SeaWorld on Thursday sponsored by CSI, complete with Shamu Rocks Show, Penguin Encounter, Manta Roller Coaster, and Fireworks!
- Big Band Formal Dinner on Friday sponsored by Fyfe, featuring Marty Conley's Big Band Express and Swing Dancers.
- And much more including YM Beer Tasting in the Gaslamp, Exhibitor Hall, Excellence in Engineering Awards, and of course, great Technical Presentations!

Sponsorships and exhibit booths are still available... sign up by July 1st to take advantage of reduced booth rates.





LOS ANGELES - OCTOBER 8, 2013



SAN FRANCISCO - OCTOBER 15, 2013

## Save the Date!

When the ground starts shaking during the next earthquake, will your building be resilient and safe, so you and your organization can bounce back?

Save the date to attend the 2013 Buildings at Risk Summit to learn how to best prepare your buildings to withstand and recover from California's next major earthquake.

You'll have two opportunities to attend this timely event, so plan to attend one (or both!):

**Los Angeles**  
**Tuesday, October 8, 2013**  
**Westin Bonaventure Hotel**

**San Francisco**  
**Tuesday, October 15, 2013**  
**Delancey Street Foundation**

Showcasing experts and policy-makers, the Summit will address building solutions as well as the "whole-community approach" implemented in cities across the state.

The Summit will provide insight for diverse stakeholders:

- building owners & managers
- public officials & policy-makers
- homeowners & business owners
- emergency managers & first responders
- real estate & insurance professionals
- anyone interested in community resilience

Sponsorship opportunities are available NOW! Join Simpson Strong-Tie Company, Inc., MiTek, and ICC Evaluation Services as sponsors by clicking the blue button at the right.

While registration is not yet available, you are encouraged to **LEARN MORE** about this event at [www.seaosc.org](http://www.seaosc.org)

See you in San Francisco and/or Los Angeles in October!



**Agenda**

7:00am Check-in, Breakfast & Exhibits

8:00am Welcome

8:30am Panel 1: **The Single Building and the City: Why Every Building Counts.**  
As our society becomes more interconnected, we also become more vulnerable to earthquakes. Understanding the role of the single structure in the context of the modern City serves will lead to greater resilience, but also contribute to the sustainability and affordability of the City. Just how does a single building fit in to the fabric of the City also plays a role in our ability to get back to normalcy after a likely large seismic event.

10:00am Break & Exhibits

10:30am Panel 2: **The Damned Situation**  
What buildings should we renovate and why? What is stopping these buildings from being addressed from political, social and economic perspectives? Examples from recent and actual events will help illustrate the reality of the interdependency of our society and the built environment.

11:00am Lunch Speaker

1:30pm Panel 3: **Addressing the Problem**  
What are successful ways to address the risk to the built environment from both a political and community perspective as well as from the individual owner perspective? This session will address ways to reduce losses and protect individual and institutional investments. Successful approaches to addressing the issue will be presented through case studies from across CA, as well as through lessons best practices, addressing all types of structures from single family homes to historic buildings to high-rises to industrial buildings. Additionally, reducing risk can be done in ways that don't always require large expenditures. In this panel will present various degrees of improving what we have for existing.

3:00pm Break & Exhibits

3:30pm Panel 4: **Partnership & Policy**  
Once when the necessary cross member to identify and address a critical issue has arisen, he takes across the board. Conditions that encourage diverse perspectives, cross for a consensus oriented can increase the resilience of our communities and built environments. Panelists will share strategies for engaging a cross section of the community and creating support to address buildings in California's communities, and more importantly, they want to identify and create funding to create a more resilient city.

4:00pm Closing

4:30pm Networking Reception & Exhibits



Summit Schedule viewable at [www.seaosc.org](http://www.seaosc.org)





LOS ANGELES - OCTOBER 8, 2013



SAN FRANCISCO - OCTOBER 15, 2013

## 2013 Sponsorship Opportunities

When the ground starts moving again in California during the next earthquake, where you will be if you're not at home and what will you do? Many groups are effectively focusing on personal preparedness, and to complement those efforts, the structural engineering community is focusing on the building stock -- where California's economy lives and breathes -- from high rises to historic structures to schools and hospitals. The lifeblood of the economy requires special attention, and the one event each year that provides that laser-focus is the Buildings at Risk (BAR) Summit.

This year, the BAR Summit will take place in both Los Angeles (10/8) and San Francisco (10/15) to reach the greatest number of people with the power and influence to address our built environment. Attendees will include elected officials, building officials, architects, engineers, building owners, government, business representatives including the financial and insurance industries, and first responders.

Being at the forefront of this issue and supporting this issue with our state's civic and business leaders positions the Summit's sponsors for greater future success. The exposure on this timely and cross-cutting issue provides sponsors with a targeted visibility to leaders and practitioners alike. With over 500 combined attendees and anticipated media coverage, this event provides a unique opportunity to highlight your commitment to California's economy and well-being as well as your commitment to public safety.

If you are interested in being a sponsor at this event, please contact Victoria Wigle so we can provide the appropriate level of recognition for your commitment: [vwigle@thorntontomasetti.com](mailto:vwigle@thorntontomasetti.com) or 310-665-0010.

### **Title Sponsor (Limit 1): \$20,000 investment**

- "Presented by" tagline in written materials and promotions
- Speaking opportunity to introduce keynote speaker
- Back page of program booklet
- Primary web advertisement
- Logo on Summit nametags
- Poster listing at registration
- Premium tabletop exhibit location at both events
- 3-minute video or slide show during lunch
- Recognition from the podium at breakfast & lunch
- 10 attendee registrations (at each venue)
- Exclusive "thank you" email to attendees following the event with links.
- Email leading up to the event to potential attendees noting sponsor with logos & links
- Opportunity to provide "give-away" to attendees

**Platinum (Limit 3): \$15,000 investment**

- Primary web advertisement
- Full page ad in program
- Poster listing in foyer
- Premium tabletop exhibit location at both events
- 3-minute video or slide show at breaks
- Logo projection throughout event
- Recognition from the podium at breakfast & lunch
- 5 attendee registrations at each venue
- Email leading up to the event to potential attendees noting sponsor with logos & links
- Opportunity to provide “give-away” to attendees

**Gold (Limit 5): \$10,000 investment**

- Web advertisement
- Half page ad in program
- Tabletop exhibit at both events
- Recognition from the podium at breakfast & lunch
- 3 attendee registrations at each venue
- Name in email blasts
- Opportunity to provide “give-away” to attendees

**Silver (Limit 10): \$5000 investment**

- Linked logo on website
- Tabletop exhibit at both events
- Logo in program
- 2 attendee registrations at each venue

**Bronze: \$2000 investment**

- Logo in program
- 1 attendee registration at each venue

**Specialty Sponsors**

Lunch Sponsor in L.A. OR San Francisco (Limit 1 per venue): *\$6500 investment*

Networking Reception Sponsor in L.A. OR San Francisco (Limit 1 per venue): *\$5000 investment*

- Website recognition
- Opportunity to Speak
- Recognition in program
- Tabletop exhibit at both locations
- Signage at sponsored event
- 2 attendee registrations at each venue



# Management, Simplified. EngineerOffice



Time tracking, project management  
and billing beautifully blended.



855-687-1030 | [www.bqe.com/seaosc](http://www.bqe.com/seaosc)

*2012 Structural/Seismic Series*  
**to Premiere at SEAOC Conference**

The Structural Engineers Association of California (SEAOC) has again partnered with International Code Council (ICC) to publish a series of [Structural/Seismic Design Manuals updated to the 2012 IBC](#). Each volume provides detailed examples using a step-by-step approach to applying the structural provisions of the *2012 International Building Code* and referenced standards. Now expanded to five volumes, the series includes:

- Volume 1: Code Application Examples
- Volume 2: Examples for Light-Frame, Tilt-Up, and Masonry Buildings
- Volume 3: Examples for Concrete Buildings
- Volume 4: Examples for Steel-Framed Buildings
- Volume 5: Examples for Seismically Isolated Buildings and Buildings with Supplemental Damping

Each volume is an excellent reference and study guide for the NCEES Structural Exam. The manuals are invaluable resources for civil and structural engineers, architects, academics, and students. Most volumes will be available at the SEAOC Conference in San Diego, or SEAOSC members save with the ICC **Early Bird discount through September 30**. Learn more at <http://www.iccsafe.org/ssdm>.

**KNA Consulting Engineers has an immediate opening** for an experienced Project Engineer with 3 to 7 years of experience, PE registration and building design experience.

KNA is located in Irvine California and specializes in the structural design of educational, municipal, civic and healthcare facilities.

For additional information, please visit our website at [KNAconsulting.com](http://KNAconsulting.com).

Interested candidates should contact us at [careers@KNAconsulting.com](mailto:careers@KNAconsulting.com).

# SteelDay is October 4, 2013

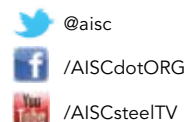
The industry's largest educational and networking event returns for a fifth successive year. Come and visit your structural steel industry **across the country**.

**Come see  
 what we do.**



California & Vicinity  
 Steel Information Council  
**CVSIC**  
 Funding provided by the California  
 Field Iron Workers Administrative Trust  
[cvsic@aisc.org](mailto:cvsic@aisc.org)

SteelDay® is an annual event hosted by the American Institute of Steel Construction, its members and partners. Plan your SteelDay® visits and see firsthand why it makes sense to build with steel.



There's always a solution in steel.  
 Now you know where to find it.



American Institute of Steel Construction  
 One East Wacker Drive, Suite 700  
 Chicago, IL 60601  
 312.670.2400 [www.aisc.org](http://www.aisc.org)



**Engineering & Technology**

# Fast-Track Your Engineering Career

**Take courses in:**

- Construction Management
- Technical Management
- Lean Six Sigma

Fall Courses begin Sep 23 in Westwood, South Bay, and Downtown LA. TMP begins Sep 15 on the UCLA campus.

For more information about our courses and certificates, visit [uclaextension.edu/engineering](http://uclaextension.edu/engineering) or contact Ms. Krystle Santos at (310) 825-0213 or email [ksantos@uclaextension.edu](mailto:ksantos@uclaextension.edu).

**Construction Management Certificate**

Learn the technical, legal, structural, financial, and management aspects of construction projects, solar thermal energy solutions and LEED. [uclaextension.edu/construct](http://uclaextension.edu/construct)

**Technical Management Program (TMP)**

In just 5 days, learn to balance the technical and managerial aspects of your leadership role to improve personal and organizational performance. [uclaextension.edu/tmp](http://uclaextension.edu/tmp)

**Lean Six Sigma Sequential Program**

Learn how to meet and exceed customer requirements, and make your organization more profitable, by delivering near-perfect products and services in the most efficient way. [uclaextension.edu/LeanSix](http://uclaextension.edu/LeanSix)

## SEAOSC NEWS: Advertising & Sponsorship Opportunities

SEAOSC publishes an electronic newsletter, SEAOSC News, which is posted online at [www.seaosc.org](http://www.seaosc.org) in a color .pdf format. It is published monthly except for July/August, which is a combined issue. It is available on the public-facing section of the website, making the newsletter available to both SEAOSC members and non-members alike, thereby increasing its readership. We expect the number of people visiting the site to rise as non-members become aware of this new offering.

Members and those who have opted-in to our email notifications (approx. 2100 email addresses) receive 2-3 emails each month announcing the newsletter has been posted and highlighting content. The average open rate for these emails is 35%, higher than the average open rate of 20% among other associations.

SEAOSC is open to editorial ideas, article submissions, advertisements from the public. Please contact editor Lynn Hanger, Executive Director, at [seaosc@seaosc.org](mailto:seaosc@seaosc.org), 562-908-6131 if you have questions or wish to submit content.

### Display Ad Rates:

One time: ¼-Page: \$330 / ½-Page: \$550 Full Page: \$990

Six times per year in consecutive issues: (Discount is only given for 6-month advertisement.) ¼-Page: \$275/issue / ½-Page: \$495/issue / Full Page: \$880/issue

### Dimensions:

¼-page: 3¼ inches (wide) by 4¼ inches (high)

½-page: 6¾ inches (wide) by 4¼ inches (high)

Full page: 7 inches (wide) by 9¼ inches (high)

### Job Ads: ¼-page: 3¼ inches (wide) by 4¼ inches (high)

Persons seeking employment can post a brief job-wanted ad. Please submit a Word or .pdf document. Content may be edited as space allows. SEAOSC members: \$25; Non-members: \$50

Employers advertising an available position can post a brief text-only job posting for \$100, per month. No discounts for consecutive months. A Display Ad should be used if logos, graphics or other elements of design are preferred. Please submit a Word or .pdf document. Content may be edited as space allows.

### Deadlines:

Deadlines are the first Friday following the first Wednesday of each month. Issues are usually posted mid-month.

Deadline	Issue Month	Approx. Posted Date
Dec. 7, 2012	Jan. 2013	Dec. 15, 2012
Jan. 11, 2012	Feb. 2013	Jan. 18, 2013
Feb. 8, 2013	Mar. 2013	Feb. 15, 2013
Mar. 8, 2013	Apr. 2013	Mar. 15, 2013
Apr. 5, 2013	May 2013	Apr. 15, 2013
May 10, 2013	Jun. 2013	May 17, 2013
Jun.7, 2013	Jul/Aug. 2013	Jun. 17, 2013
Aug. 9, 2013	Sept. 2013	Aug. 16, 2013
Sep. 6, 2013	Oct. 2013	Sept. 13, 2013
Oct. 4, 2013	Nov. 2013	Oct. 11, 2013
Nov. 8, 2013	Dec. 2013	Nov. 15, 2013

### Sponsorships

SEAOSC has special opportunities for additional sponsorships, vendors, exhibitors, etc at additional seminars and programs throughout the year. Check the Calendar in this issue for up-to-date information and pricing.

### Tabletop Displays:

Vendors are encouraged to purchase a tabletop exhibit at monthly dinner meetings, generally held the first Wednesday of each month except August. Cost of \$200 includes the admission of 1 person with the exhibit. Bring banners, give-aways, etc.



## 2012-2013 SEAOSC Officers & Committees

Get involved! Members and interested parties are invited to join a SEAOSC committee.  
Contact the chairperson for information on current projects and meeting times, dates and locations.

SEAOSC Officers & Board Members			
	Name	Phone	Email
President	Joe LaBrie <sup>2</sup>	626-445-0366	labrie@makeitright.net
President-Elect	Doug Thompson <sup>1,2</sup>	949-599-0320	dougt@stbse.com
Treasurer	Kevin O'Connell <sup>2</sup>	310-323-9924	oconnell@structuralfocus.com
Immediate Past President	Janah Risha	818-729-9777	jrisha@risha.com
Directors	Casey Hemmatyar	888-889-5643	casey@psfeg.com
	Larry Kaprielian	949-462-3200	lkaprielian@knaconsulting.com
	Tim Kaucher	714-738-2151	tkaucher@strongtie.com
( <sup>1</sup> Delegate to SEAOC)	Matthew Skokan	626-324-2616	mskokan@saifulbouquet.com
( <sup>2</sup> Member of Exec. Cmte.)	Francisco Garcia	323-717-1303	fgarcia@fjengineering.com
	Ifa Kashefi	213-482-0440	ifa.kashefi@lacity.org
	Diana Nishi	323-733-6673	diana.nishi@englekirk.com
	Daniel Traub	310-254-1900	dtraub@walterpmoore.com
SEAOSC Executive Director	Lynn Hanger	562-908-6131	seaosc@seaosc.org

Committees			
	*Board Contact Chair(s)	Phone	Email
Membership	Joe LaBrie*	626-445-0366	labrie@makeitright.net
	OPEN		
Younger Members	Francisco Garcia*	323-717-1303	fgarcia@fjengineering.com
	Albert Lopez	626-445-0366	albert@makeitright.net
	Tarik Saoud	310-309-7439	tarik.saoud@gmail.com
Image & Public Relations	Tim Kaucher*	714-738-2151	tkaucher@strongtie.com
	OPEN		
Technology	Casey Hemmatyar*	888-889-5643	casey@psfeg.com
	OPEN		
Education	Doug Thompson*	949-599-0320	dougt@stbse.com
	OPEN		
Legislative	Larry Kaprielian*	949-462-3200	lkaprielian@knaconsulting.com
	OPEN		
Professional Bus. Practices	Janah Risha*	818-729-9777	jrisha@risha.com
	OPEN		
Building Codes & Stds.	Doug Thompson*	949-599-0320	dougt@stbse.com
	Y. Henry Huang	562-865-0861	hhuangpe@gmail.com
Seismology	Matthew Skokan*	626-324-2616	mskokan@saifulbouquet.com
	Bahram Zarin-afsar	949-261-6988	b@1zai.com
Sub Cmte: Research	Ashi Dhalwala	310-828-1422	ceginfo@verizon.net
Sub Cmte: Steel Bldgs.	Bahram Zarin-afsar	949-261-6988	b@1zai.com
Existing Buildings	Kevin O'Connell*	310-323-9924	oconnell@structuralfocus.com
	Ricardo Hernandez	213-596-5000	rhernandez@degenkolb.com
	Methee Chiewanichakorn	213-596-5000	mchiewanichakorn@degenkolb.com
Quality Assurance	Daniel Traub*	310-254-1900	dtraub@walterpmoore.com
	OPEN		
Sustainable Design	Ifa Kashefi*	213-482-0440	ifa.kashefi@lacity.org
	OPEN		
Disaster Emergency Svcs.	Diana Nishi*	323-733-6673	diana.nishi@englekirk.com
	Doug Litchfield	818-913-3558	dlitchfield@mwdh2o.com

