



## Buildings At Risk (BAR) Summit 2012

The Structural Engineers Association of Southern California (SEAOSC) will host its second annual earthquake loss reduction summit Thursday Oct. 11, 2012 at the Westin Bonaventure in Los Angeles. This day-long symposium is a precursor to the "Great California ShakeOut" to be held Oct. 18. As we all know, there are several types of structures at risk, and many stakeholders do not know what action can be taken to mitigate this risk.

SEAOSC will be partnering again with other earthquake preparedness organizations in the presentation of this event. The goal for the Summit is to create a forum that will not only increase the awareness of seismic risk, but spur action. The sessions will stress the benefit of mitigation, highlight the role of structural engineers, and encourage synergy among the structural engineering community, emergency managers, policy makers and other stakeholders. The target audience includes building officials, architects, engineers, building owners, the public, government officials, insurance company representatives, and police and fire department representatives.

*Be sure to register early as last years event sold out!*

*Visit [SEAOSC.org](http://SEAOSC.org) to register online.  
Sponsorship packages available.*



## President's Message

By Joe LaBrie, SE

### START AGAIN...

I trust all of you have had a wonderful summer. It is a great time of year. It is a time for barbecues, beaches, family, and vacations. It's also the time that SEAOSC has a fresh opportunity to START AGAIN.

This year's new start includes an exceptional group of engineers that make up the Board of Directors. If you have not met them all yet, find them at the next meeting and introduce yourself to them. Our first year board members are Diana Nishi of Englekirk Partners, Ifa Kashefi of Los Angeles Department of Building and Safety, Daniel Traub of Walter P. Moore & Associates, and Francisco Garcia of M&F Design Engineers. SEAOSC's second year board members are Casey Hemmatyar of Pacific Structural & Forensic Engineers Group, Larry Kaprielian of KNA Engineers, Matt Skokan of Saiful/Bouquet, and Tim Kaucher of Simpson Strong Tie. This year's executive board members are Kevin O'Connell of Structural Focus, Doug Thompson of STB Structural Engineers, Janah Risha of Risha

Engineering, and Joe LaBrie of MakeItRight. In the time that I have had to get to know these folks, I have been impressed by each of them and I am confident that each will serve this Association well. All of us should take note of contribution they are making to improve our profession by volunteering.

In fact, in the first three weeks of the new SEAOSC year, we are already mobilized to START AGAIN. There has been a board meeting and an executive board meeting. Casey has made amazing improvements to the list server and seaint websites. Daniel, Doug, Tim, Diana, and Francisco have been working hard with the planning committee for the BUILDINGS AT RISK Summit on October 11. Tim has been working with Mike Cochran to keep the information on the SEAOSC website current. Kevin did a fabulous job to provide the necessary leadership for our August Field Day event. Jeff Haight (Ehlen, Spiess & Haight) graciously accepted to serve as SEAOSC's director of the SEAOC Foundation. He also agreed to be a SEAOSC

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## L.A. Dinner Mtg.

*Wednesday, Sept. 5, 2012*

**Program:** Earthquake & Post-Earthquake Fire Testing of a Full-Scale 5-Story Building with Non-Structural Components on the World's Largest Outdoor Shake Table

**Location:** Luminarias Restaurant, 3500 Ramona Dr., Monterey Park

**Time:**

5:30 pm Networking Time  
6:30 pm Dinner  
7:30 pm Program

**Menu:** Chicken entree. Vegetarian available if requested by Noon, June 4.

**Cost:** \$35 (Full-time students: \$15)

*(See blue insert for reservation form and details.)*

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Visit our website:  
[www.seaosc.org](http://www.seaosc.org)  
You can also follow us on:



## President's Message

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judge for the 2012 SEAOC Excellence in Structural Engineering Awards. Doug, Kevin, Janah, Larry, Casey, Daniel, and Albert Lopez (HSA Consultants) spent most of a Saturday morning in July sorting through documents and moving the SEAOSC office materials into storage.

Jeff Ellis (Simpson Strong Tie) has volunteered countless hours as committee chairperson in the planning of the 2012 BUILDINGS AT RISK Summit. He along with a dedicated group of engineers meet weekly on conference calls, and periodically in person, to coordinate the details of this event. Please reserve October 11 on your calendar. You will definitely want to come to the Bonaventure Hotel in downtown LA for this one.

I was overwhelmed by the enthusiasm at the meeting held on Sunday, July 22 for the 2014 SEAOC convention. Tom Harris

(California Code Check) has graciously agreed to champion the convention as the committee chairperson. He held his first committee meeting and invited a host of great people to take part in the planning. You will hear more about them and their progress in the coming months. ***For now, please contact Tom or our SEAOSC Executive Director, Lynn Hanger, to join the inspiring team of people beginning to plan the convention...we need to work together to build our profession.***

Finally, like any diet, exercise program, or endeavor to develop ourselves in some purposeful way, it is important to recognize that true success is not found in our ability to remain unflinching in our commitment to the process of growth, but rather it is in our unrelenting willingness to START AGAIN. On behalf of the entire Board of Directors, we look forward to serving the association in the coming year with a fresh new start.

Yours truly,  
*Joe La Brie*



## LOOK!

### ***NEW PLAN FOR SEAOSC NEWS!***

SEAOSC will be using an email distribution service called Constant Contact to send interactive emails to SEAOSC members, industry partners and potential members. The more frequent new format will be much like a small newsletter, targeting items of interest and including upgraded graphics and photos, direct linked access to registration forms, and easy subscribing or unsubscribing. SEAOSC members should have already received SEAOSC's first email with a new YouTube video highlighting the upcoming Buildings At Risk Summit.

SEAOSC has decided to publish its traditional newsletter online at [www.seaosc.org](http://www.seaosc.org) only in October, November and December on a trial basis. (The abbreviated hard-copy newsletter will not be mailed out on those months.) SEAOSC will notify members via Constant Contact when the newsletter is published and provide a convenient link directly to the issue. It is hoped that this plan will increase readership and decrease costs. A decision based on the feedback received from the membership regarding publishing the newsletter in print and/or online will be made in January. Let us know what you think!

Please be sure that SEAOSC has your updated email address on file so you will be sure to receive SEAOSC's news announcements.

## Field Day Aug. 1, 2012

SEAOSC's popular Field Day was again a success with 70 golfers and 74 coming for dinner. Thank you Kevin O'Connell for serving as Chair. Rawn Nelson continued his tradition of serving as emcee.



*A popular new element this year was Matt Hanger, pro golfer, who demonstrated trick shots for a small donation that benefitted the SEAOSC scholarship fund. \$320 was raised! See more photos on SEAOSC's Facebook page.*

### **Thank You Sponsors!!**

Hole-in-One Sponsors (\$1,500): **Saunders Commercial Seismic Retrofit and Simpson Strong-Tie**

Dinner Sponsor (\$1,000): **Nucor/Vulcraft/Verco Group**

Lunch Sponsor (\$750): **Hilti**

Beverage Cart Sponsor (\$500): **Sika**

Tee Sponsors (\$200): **Hilti, John A. Martin & Associates, KLT Consulting Structural Engineers, Nucor (Vulcraft/Verco), Palos Verdes Engineering Corp., Sika, Simpson Strong-Tie, Structural Focus, Thornton Tomasetti**

Individual Sponsor (\$100): **Jeff Crosier**



WELCOME,  
New Members!



**MEMBERS SE:**

**Adams, James Adrian;** *Member SE;* EZ Tech, San Luis Obispo;  
[jamesadams64@gmail.com](mailto:jamesadams64@gmail.com)

**Whiteley, Mark;** *Member SE;* Cary Kopczynski & Company, Bellevue, WA  
[markw@ckcps.com](mailto:markw@ckcps.com)

**MEMBERS:**

**Basualdo, Laura;** *Member;* Degenkolb Engineers, Los Angeles  
[lbasualdo@degenkolb.com](mailto:lbasualdo@degenkolb.com)

**Caldwell, Jeffrey A.;** *Member;* Wiss, Janney, Elstner Associates, Inc., Burbank;  
[jcaldwell@wje.com](mailto:jcaldwell@wje.com)

**Wan, Jianhua;** *Member;* HAS & Associates, Inc., La Mirada; [wanjh\\_2008@hotmail.com](mailto:wanjh_2008@hotmail.com)

**ASSOCIATE, AS1, AS2, AS3, AS4**

**Freudenberger, Frank;** Associate; Arup, Los Angeles, [Frank.freudenberger@arup.com](mailto:Frank.freudenberger@arup.com)

**Culp, Travis;** Associate (AS1); KNA Consulting Engineers, Inc, Irvine,  
[tculp@knaconsulting.com](mailto:tculp@knaconsulting.com)

**D'Abreau, Jean-Luc;** Associate (AS1), Nishkian Chamberlain, Los Angeles,  
[jdabreau@nishkian.com](mailto:jdabreau@nishkian.com)

**Guirguis, Azmi;** Associate (AS1); No Employer Listed, Diamond Bar,  
[azmigamil@yahoo.com](mailto:azmigamil@yahoo.com)

**Mouser, Louis;** Associate (AS1), Unemployed, Los Angeles [louisouser@gmail.com](mailto:louisouser@gmail.com)

**Tran, Sandy;** Associate (AS3); Wheeler & Gray, Inc., Anaheim;  
[stran@wheelerandgray-oc.com](mailto:stran@wheelerandgray-oc.com)



**Save the Date for the 2012 SEAOC CONVENTION**

**Santa Fe, New Mexico**

**Sept. 12 – 15**

The 2012 SEAOC Convention Committee invites you to stay current on the latest developments in structural engineering and construction technology while enjoying the scenic, historic, artistic and cultural splendors of Santa Fe, New Mexico. Consider bringing your family to visit local national parks and monuments such as Bandelier National Monument, Chaco Canyon and Canyon de Chelly, all within a short drive from Santa Fe.

**Convention Hotels:** **ELDORADO HOTEL & SPA** [www.EldoradoHotel.com](http://www.EldoradoHotel.com)

**HILTON Santa Fe / Historic Plaza** [www.HiltonofSantaFe.com](http://www.HiltonofSantaFe.com)

## SEAOSC Calendar



### SEPTEMBER

5	3:30 pm	Board of Directors Meeting	Luminarias Restaurant, Monterey Park
	5:30 pm	LA Membership Dinner	Luminarias Restaurant, Monterey Park
12-15		SEAOC Convention	Santa Fe, New Mexico

### OCTOBER

3	3:30 pm	Board of Directors Meeting	Luminarias Restaurant, Monterey Park
	5:30 pm	LA Membership Dinner	Luminarias Restaurant, Monterey Park
11		Buildings at Risk (BAR) Summit	Westin Bonaventure, LA
18		Great California Shakeout	

**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)**

## SEAOSC ANNUAL EVENTS

Feb. 1:	Student Awards Night Dinner
February:	YM Field Trip to UCSD Englekirk Center
Apr. 30:	Deadline to Submit Excellence in Structural Engineering Posterboards
June 6:	Excellence in Structural Engineering Awards Dinner
Aug. 1:	Field Day
Sept. 12-15:	SEAOC Convention
Oct. 11:	Buildings At Risk Summit
Oct. 18:	Annual Shakeout Event

Information regarding these events can be found on the SEAOSC website: ([www.SEAOSC.org](http://www.SEAOSC.org))

## 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.

## ASCE 7 Committee

*Call for Proposals for the 2016 Edition*

*Deadline extended to December 31, 2012*

The Structural Engineering Institute (SEI) of ASCE is currently accepting proposals to modify the 2010 edition of ASCE 7, *Minimum Design Loads for Buildings and Other Structures* Standards Committee to prepare the 2016 revision cycle of the standard.

Interested parties may download the proposal form from the SEI Website at [www.asce.org/SEI](http://www.asce.org/SEI). The committee will accept proposals until December 31, 2012.

For additional information please contact Jennifer Goupil, SEI Director, at [jgoupil@asce.org](mailto:jgoupil@asce.org).



Next SEAOSC  
Newsletter Deadline:  
Aug. 29  
for the October Newsletter

[www.structuralsolutions.com](http://www.structuralsolutions.com)

# 2012/13 STRUCTURAL ENGINEERING REVIEW SEMINARS FOR THE APRIL NCEES SE EXAM

Following more than a decade of successful presentations, BYA Publications is pleased to announce the 13th consecutive year of the most comprehensive Structural Engineering Review Seminars. The 14 session expanded program (95 hours) is comprised of detailed interactive presentations of a selection of problems targeted for the NCEES SE exam. We also include discussions of the most recent developments in structural and seismic engineering. These seminars also provide the best in-depth review of the code provisions, even for those not taking the exam.

**“Register early and save up to \$400”**

All classes are on Saturdays or Sundays from 8:30 a.m. to 4:00 p.m.  
At the La Quinta, 3 Centerpointe Drive, La Palma, CA 90623, Phone: (714) 670-1400

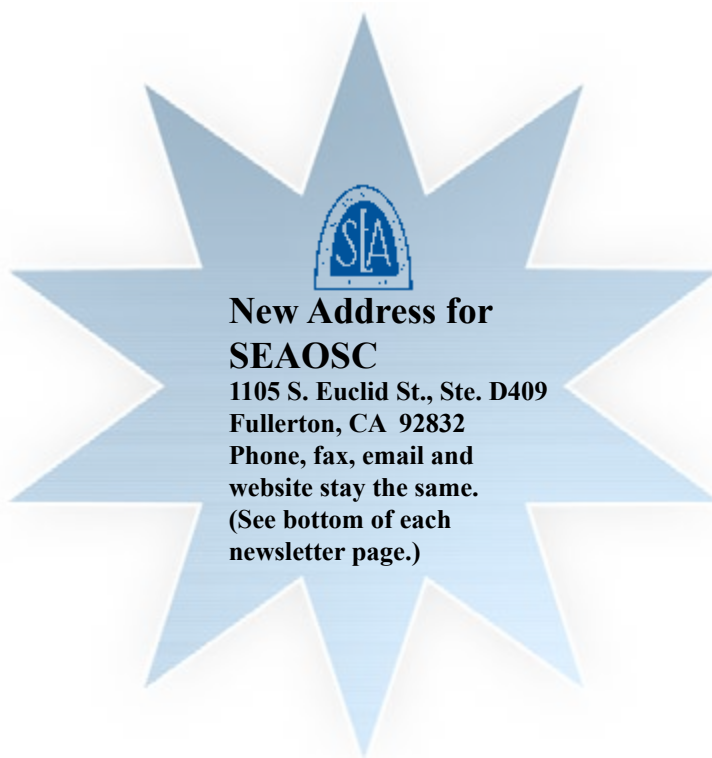
November 3	Wind & Seismic Provisions	Ben Yousefi, MS, SE
November 17	Concrete Design Part I	Chris Tokas, MS, SE
November 18	Concrete Design Part II	Chris Tokas, MS, SE
December 1	Steel Design, Part I	Dr. Michael Engelhardt, Ph.D., PE
December 2	Steel Design, Part II	Dr. Michael Engelhardt, Ph.D., PE
January 5	Wood Design, Part I	Kelly Cobeen, MS, SE
January 6	Wood Design, Part II	Kelly Cobeen, MS, SE
January 12	Masonry Design	Dr. Chukwume Ekwueme, Ph.D., SE
January 26	Concrete Design Part III	Chris Tokas, MS, SE
January 27	Concrete Design Part IV	Chris Tokas, MS, SE
February 9	Steel Design, Part III	Dr. Michael Engelhardt, Ph.D., PE
February 10	Steel Design, Part IV	Dr. Michael Engelhardt, Ph.D., PE
March 2	Bridge Design	Fahim Hakemi, MS, SE
March 16	General Overview/ Analysis	Ben Yousefi, MS, SE

For complete registration information please check our web site [www.strcuturalsolutions.com](http://www.strcuturalsolutions.com)

Firm Name: Holmes Consulting Group –  
New Zealand

Contact: Rose Phung  
[hcg-hr@holmesculley.com](mailto:hcg-hr@holmesculley.com)

Holmes Consulting Group (HCG) is a New Zealand (NZ) based structural and civil engineering business that is part of Holmes Group. We are looking for talented structural engineers to help assist with the increased volume of work after the numerous earthquakes in the Christchurch region in 2010 and 2011. Packages include relocation, a competitive salary, a once in a lifetime opportunity to help reconstruct a City and the chance to explore a beautiful part of the world. We are seeking structural engineers with between 4-8 years’ seismic design experience; ideally someone with PE licensing. Check us out at [www.holmesgroup.com](http://www.holmesgroup.com) and send as one document your resume with cover letter to [hcg-hr@holmesculley.com](mailto:hcg-hr@holmesculley.com).



## New Address for SEAOSC

1105 S. Euclid St., Ste. D409  
Fullerton, CA 92832  
Phone, fax, email and  
website stay the same.  
(See bottom of each  
newsletter page.)

Advertisements, announcements and inserts are for the information of readers and are not intended as endorsements by SEAOSC.

**woodworks.org**



## Free Design and Engineering Support for Wood Buildings

**TECHNICAL SUPPORT** – Free one-on-one project support from experts in wood design

**ONLINE TRAINING** – Stream webinars and download technical materials at no cost or pay a nominal fee and earn AIA/CES CEHs or PDH credits

**WEB-BASED TOOLS** – CAD/REVIT details, cost and carbon calculators, span tables, product and design guides

**EDUCATIONAL EVENTS** – Wood Solutions Fairs, workshops, in-house presentations



# WoodWorks

*Wood costs less and delivers more*

WoodWorks is an initiative of the Wood Products Council, a cooperative venture of major North American wood associations.

Photos: (l-r) Drs. Julian and Raye Richardson Apartments, David Baker + Partners, photo Bruce Damonte; Hallie E. Ford Center for Healthy Children & Families, Oregon State University, THA Architecture, photo Lara Swimmer; New Genesis Apartments, Killefer Flammang Architects, photo K.C. Kim, GB Construction

### Upcoming Wood Design Workshops

**November 6**  
SAN DIEGO

**November 7**  
ORANGE COUNTY

**November 8**  
LOS ANGELES



Scan for a complete listing of WoodWorks events.



WoodWorks is an approved AIA provider.

## 2012-2013 SEAOSC Officers

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	cisco.g911@yahoo.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	







## Los Angeles Dinner Meeting Wednesday, Sept. 5, 2012

**Program: Earthquake & Post-Earthquake Fire Testing of a Full-Scale 5-Story Building with Non-Structural Components on the World's Largest Outdoor Shake Table**

### Abstract

Earthquakes and post-earthquake fires have demonstrated extensive losses, both monetary and human, in past earthquakes. Much of this has been due to the reduced integrity of nonstructural components and systems (NCSs) housed in buildings. Yet, remarkably until recently, very little research has been conducted to investigate the performance of NCSs during earthquakes and particularly considering fire following earthquake scenarios. In this presentation, the recent testing of a full-scale five-story building furnished with a broad array of nonstructural components and systems will be described. The test building incorporates, among other things, a functioning passenger elevator, stairs, a complete exterior facade, interior partition walls, piping, HVAC, ceiling, sprinklers, building contents, as well as passive and active fire systems. The building-NCS system is first supported on high rubber damping isolators, and following a suite of earthquake motions it is lifted and subsequently fixed to the shake table platen, in an effort to demonstrate the effectiveness of isolation technology in protecting the NCSs and preserving the buildings functionality. Finally, live fire tests are performed in select compartments with reduced integrity due to the prior seismic motions. Data obtained from this program will be used to evaluate and refine current code assumptions and computer models regarding nonstructural components and systems, and to find ways to minimize undesirable damage to NCSs during an earthquake.

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

**Speaker:**  
Tara Hutchinson, professor, Structural Engineering Dept., UC San Diego, has research interests in earthquake engineering, with particular activity in large-scale seismic testing. She is the principal investigator of this unique \$5M multi-university, academic-industry-government collaborative effort.

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

**Cost:** \$35.00

**Reservations:** Make advance reservation before Tuesday, Sept. 4th via SEAOSC's website at [www.SEAOSC.org](http://www.SEAOSC.org), via fax or by email. SEAOSC is charged for "no-shows" so please notify office if you must cancel. Prepay by providing your credit card number and expiration date. "Walk-ins" welcome.

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### LOS ANGELES DINNER RESERVATION FORM: Sept. 5, 2012 Reservations Due Before: Sept. 4, 2012

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

**Yourself:** 1 @ \$35.00 = \$ \_\_\_\_\_

**Guests:** \_\_\_ @ \$35.00 = \$ \_\_\_\_\_

**TOTAL** = \$ \_\_\_\_\_

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

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

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

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