



Members Present at Red Cross Disaster Preparedness Academy in Anaheim

By Joe Labrie, S.E.



On October 30th the Red Cross held their 29th annual Disaster Preparedness Academy at the Anaheim Convention Center. The event was attended by over 650 people. SEAOSC members Ankit Patel, Albert Lopez, Preston Nirattisai, Ryan Smith and Daniel Zepeda presented a whole day's "track" of three – 90 minute presentations on "Understanding Building Vulnerabilities", "Essential of Non-Structural Building Systems" and "Compliance & Readiness of California's Hospitals and Schools."

SEAOSC members provided 90 minute sessions on the topics shown below. It was an important event to connect with a larger, more high-profile group, as we look to broadening the influence of Structural Engineers. I recommend that our future As-

sociation leaders strategize how to advance this work to a new level.

Session 1: UNDERSTANDING BUILDING VULNERABILITIES
by Ryan Smith and Preston Nirattisai

There are a multitude of reasons that make some buildings more vulnerable to earthquake motions than others. The session will focus on describing the different types of building structures and those factors that contribute to various levels of risk to the building and its occupants. It will describe how and why different structure types respond differently to earthquakes than others. With lessons learned from the recent earthquakes

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President's Message

By Doug Thompson, S.E.



The holidays are just about here already!

Two years ago the SEAOSC Board decided to make the December meeting a holiday party and to not have a regular dinner meeting with a

technical presentation. We held the event at the Jonathan Club. This event was a huge success and last year the event was even bigger and better. On December 4th, we will again be having our Holiday Social event at the Jonathan Club. Those that have attended these all want to come back, if you haven't been to this event before you won't be let down as it is a great way to celebrate the Holiday's in a warm social environment. For information about this see our flyer in the Newsletter or visit our website.

More on Image & Advocacy:

We as engineers do our jobs well and get satisfaction that our structures are safe and

will perform well for their intended use. But as soon as you leave our day-to-day environment, you will all agree that "the general public doesn't understand what we do" or "they don't know who we are". Everyone in their own different professions have the responsibility of promoting themselves. This needs to come from all of us and not just a public relations person or an advertisement.

As part of SEAOSC's revitalizations of our committees, SEAOSC will be putting on a webinar/conference call to seek new members to our newly formed Image and Public Relations Committee. Based upon our recent Buildings-At-Risk Summit, recent articles in the LA Times on seismic retrofit of buildings, motions by LA City Councilperson Tom LaBonge, and our presence at the Disaster Preparedness Academy, it couldn't be more timely and important to have an active Image and Public Relations Committee. As we have in SEAOSC's realignment plan, the committee goals are:

- Elevate the status of the Structural Engi-

(Continued on Page 2)

UPCOMING EVENTS

(See inside newsletter for reservation forms and details.)

Tri-County Lunch Meeting

Thursday, November 21, 2013

ASCE 7-10 and Beyond -- What to Expect

Speaker: Ronald Hamburger, SE

Location: Radisson Santa Maria, 3455 Skyway Drive, Santa Maria, CA 93455

Networking: 11:00 am

Lunch & Program: Noon-1:30 pm

Cost: \$35; Students: \$20

Annual Holiday Party

Wednesday, December 4, 2013

Location: The Jonathan Club, Los Angeles

Reception: 5:30 - 7:00 pm

Dinner & Socializing: 7:00 - 10:00 pm

Cost: \$95 per person, Guests invited!

Los Angeles Dinner Meeting

Wednesday, January 8, 2013

2013 CBC for Concrete Anchorage Emphacizing Post-Installed Adhesively Bonded Anchors

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

Networking: 5:30 pm

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

Cost: \$35; Students: \$25; Table: \$245; Walkins: \$45

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Visit our website:
www.seaosc.org

President's Message

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neering profession in the community to a level consistent with its significant contribution in mitigating earthquake hazards in the community and seismic regions throughout the world.

- Raise the level of SEAOSC in the arena of professional organizations and promote leadership towards the advancement of the profession including innovation in engineering science, and development of building codes and standards.
- Educate public at large on the profession of Structural Engineering and align societal expectations with intended performance objectives for structures in the event of an earthquake.
- Promote the historical significance of SEAOSC in Earthquake Engineering as a bridge to new innovations and developments by future generation of Structural Engineers.

The planned upcoming short webinar/conference call during lunch time will discuss opportunities for getting involved with the committee in advancing the engineering profession across the wider context of serving our communities with valuable and timely information. This webinar/conference call will be led by our SEAOSC director Ken O'Dell. Please plan attending this lunch time event. If

you are unavailable for this meeting but are interested in joining/supporting the committees' efforts, please contact our director Ken O'Dell.

On October 30th the Red Cross held their 29th annual Disaster Preparedness Academy at the Anaheim Convention Center. The event was attended by over 650 people. SEAOSC members Ankit Patel, Albert Lopez, Preston Nirattisai, Ryan Smith and Daniel Zepeda presented a whole day's "track" of three – 90 minute presentations on "Understanding Building Vulnerabilities", "Essential of Non-Structural Building Systems" and "Compliance & Readiness of California's Hospitals and Schools." This was a great way to elevate the presence of SEAOSC in our community to our colleagues in first response and disaster preparedness. We look forward to participating at this event next year and building upon this presence. A special thanks to Joe LaBrie for his foresight and leadership in getting SEAOSC to participate in this event and to the SEAOSC presenters that gave their time and efforts.

I wish you and your families a happy and safe holiday season. I hope to see you at our upcoming Holiday Social event on December 4th.

Doug Thompson

WELCOME, New Members!



Associate- AS1

Michael Makris, not employed, Irvine, mpmakris@gmail.com, 513-290-8259, grad USC 8/13
Branden Dong, Arup, Los Angeles, branden.dong@arup.com, 310-578-2822, grad Stanford 6/13

Associate- AS2

Ms. Heavenz Kaur, Englekirk Structural Engineers, Los Angeles, heavenz.kaur@englekirk.com
Angela Lin, Englekirk Structural Engineers, Los Angeles, angela.lin@englekirk.com
Marissa Cozette, Leidos Engineering, LLC, Brea, marissa.cozette@gmail.com

Member

Clayton Cheng, Lee & Ro Inc, City of Industry, Clayton.Cheng@lee-ro.com
Elizabeth Conklin, KPFF, Los Angeles, lconklin@kpff-la.com
Erwin Pascua, Melvyn Green & Associates, Torrance, estriver@gmail.com

Member SE

Neil Bahen, KPFF Consulting Engineers, Los Angeles, nbahen@kpff-la.com, 310-665-1536

SEAOSC Calendar



NOVEMBER

19	12:00 pm	Image & PR Committee	GoToMeeting
19	7:00 pm	Seismology Committee	Cal Poly Pomona
21	11:00 am	Tri-County Lunch Meeting	Radisson, Santa Maria
26	2:00 pm	Existing Buildings Committee	GoToMeeting

DECEMBER

3	11:00 am	Board of Directors Meeting	MHP, Long Beach
4	5:30 pm	Holiday Party Social	The Jonathan Club, Los Angeles
6		Newsletter Deadline	January 2014 Issue
13	TBD	YM Social Event	TBD
17	6:00 pm	Seismology Committee	UCLA & GoToMeeting
17		Scholarship Submissn Deadline	YM Scholarship Awards Night

JANUARY 2014

8	3:00 pm	Board of Directors Meeting	Luminarias Restr., Monterey Park
8	5:30 pm	L.A. Dinner Meeting	Luminarias Restr., Monterey Park
10		Newsletter Deadline	February 2014 Issue
18		Donation Submissn Deadline	YM Scholarship Awards Night
21	7:00 pm	Seismology Committee	TBD

*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*

NEWSLETTER SUBMISSIONS

Did you know SEAOSC accepts articles, advertisements and items of interest from members, firms and the public to include in the monthly issues of SEAOSC News?

Submit your item to Lynn Hanger, SEAOSC Executive Director by email, seaosc@seaosc.org, by each monthly deadline to be included in the next issue.

Additional information is linked to www.seaosc.org under “Announcements” at the bottom of the homepage. Click on “Advertising Info 2013” for complete rates, policies and deadlines.

SEAOSC ANNUAL EVENTS: 2013

Feb. 6:	Student Awards Night Night
March	Winter Educational Programs
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.

Seminar Registration How-To

Please go to 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:
December 6
for the January Newsletter

Red Cross Disaster Preparedness Academy

(Continued From Page 1)

in New Zealand, Japan, and others, the presentation will illuminate building conditions that challenge our homes, offices, churches, and other buildings here in California. Included in the discussion will be a summary of the earthquake hazards in California.

Session 2: ESSENTIALS OF NON-STRUCTURAL BUILDING SYSTEMS

by Albert Lopez

Non-Structural building systems are the architectural, mechanical, electrical systems essential to every functioning building. These systems not only assure a useful building structure, but are imperative for the safety of its occupants during and after earthquake activity. This presentation will offer essential facts about our dependency on functioning fire and life safety systems like fire sprinklers and fire alarms. It will dispel the myth that a 'triangle of life' offers seismic safety during an earthquake. The session will describe the vulnerability and damage potential that exist due to unsecured building systems and components along with mitigation measures that can easily be applied to improve seismic readiness of a building.

Session 3: COMPLIANCE AND READINESS OF CALIFORNIA'S HOSPITALS AND SCHOOLS

by Ankit Patel and Daniel Zepeda

There exists general agreement among policy makers and the public that certain buildings merit special attention to seismic safety issues. Hospital and school buildings provide important post disaster functions that must be preserved after an earthquake event. Schools buildings (K-12 and Higher) not only provide shelter for our students, but also serve as assembly areas for coordinating relief efforts after an earthquake. Hospital buildings, and the essential care giving functions that occur within them, must be fully operational after an earthquake to help the injured public. This presentation will describe the general condition of preparedness of these special building and the current activities for increased preparedness.

SEAOSC was well represented at the Red Cross Disaster Preparedness Academy. Additional photos of the event and the presentations can be found on SEAOSC's Facebook page. Great job Joe, Preston, Ankit, Albert, Ryan and Daniel! Special thanks to Simpson for providing exhibit materials. Even more gratitude to those engineers presenting on behalf of the association.

Jeff Crosier, Past President

The 29th Annual

Disaster Preparedness Academy

Trained. Empowered. Prepared.



View more photos at
[Facebook.com/SEAOSC](https://www.facebook.com/SEAOSC)



New Zealand Owners Want Tax Breaks for Quake Work

Published on 25 July 2013 from <http://www.radionz.co.nz/news/national/215224/owners-want-tax-breaks-for-quake-work>

The owners of some Wellington, New Zealand, inner-city apartment buildings say they want the same Government help to strengthen their buildings that might be available to commercial premises.

The Wellington Inner City Association says the 6.5-magnitude earthquake on Sunday left the occupants of dozens of apartment buildings worried there could be an increase in the level to which buildings have to be strengthened.

Spokesperson Geraldine Murphy says owners are in limbo as they wait for changes to the building code. "People need certainty and they need it quite quickly so they can actually get under way."

Proposals from the Ministry of Business, Innovation and Employment go to Cabinet's Economic Growth and Infrastructure Committee on 31 July and to the full Cabinet after that.

One is a suggestion that 15,000 to 25,000 old buildings be brought up to 33% of the building standard required for modern construction.

The Property Council has warned building owners may abandon their properties if they can't afford to strengthen or rebuild them and has said Government help such as tax breaks might be needed.

Ms Murphy says if tax breaks are considered to help offset the cost of strengthening work in commercial buildings, she hopes residential buildings receive them.

Anthony Briscoe says if apartment buildings with Historic Places Trust listings must be maintained for the public good, then the public should help pay to strengthen them against quakes.

Mr Briscoe lives in a 1931 brick building with a Historic Places classification which was strengthened in 1999 to two-thirds of the then building code requirements. It now is at about 20% of the current requirements.

He says strengthening work being considered now would cost him more than \$100,000 and wants the Government to help fund it through tax breaks. He says the building came through Sunday's big quake with no damage.

Connal Townsend, chief executive of the Property Council, said owners have three options for their buildings; demolish and rebuild, strengthen the building or board it up and walk away.

He said owners may board up buildings if they cannot afford to fix them, as was common in the US city of Detroit after the 2008 financial crisis, and this would be a blight on cities.

Mr Townsend told Radio New Zealand's *Morning Report* programme it is possible pressure from tenants and others may require even higher standards, which some building owners will struggle with.

Cost of dangerous buildings too high, says survivor

A Lincoln University lecturer who was injured in the 2011 Christchurch earthquake says the Government must have the courage to require strengthening of dangerous buildings.

Lincoln University senior lecturer Dr Ann Brower was crushed in a building collapse in Colombo Street during the devastating 6.3 earthquake on 22 February 2011.

Dr Brower told *Morning Report* either property owners pay for repairs now, or passers-by in the future will pay with their injuries when the buildings collapse in a severe earthquake.

"They're asking the public to subsidise these dangerous buildings, not so much with money but in our lost legs and lost lives and pain. Subsidising dangerous buildings with human pain is not a bargain that I'm willing to sign up to."



www.shutterstock.com - 127076972

5 Things Jenga Can Teach Us About Structural Engineering

by Dave Roos

Humans are natural-born structural engineers. If you find that hard to believe, watch a small child play with a set of simple wooden blocks. With no outside instruction -- and through lots of energetic trial and error -- he or she will eventually learn that the most stable way to build upward is to place a horizontal beam across two vertical columns.

The child's intuitive logic is the same that inspired the Mycenaean architects of the 13th century B.C.E. to construct the famous Lion Gate out of two stone columns and a slightly arched beam. It's the same structural savvy that told the ancient Egyptians that if you want to build something tall out of stone, you need to start wide at the base. And it's that same natural-born engineer in all of us that says, "Dude, if you want to win at Jenga, don't leave a single support at the bottom of the tower!"

Jenga is one of the most popular games in the world, third only to Monopoly and Scrabble in the number of units sold [source: Little]. The object of the game is simple: You start with a stack of 54 blocks -- three blocks across, 18 levels high. Each level of blocks should be perpendicular to the level below it. Each player must remove a block from near the bottom of the tower and place it on the top using only one hand at a time. Eventually the tower becomes dangerously unstable. If you're the one who finally knocks it over, you lose.

Jenga was invented by Leslie Scott, a British citizen born and raised in Kenya and Tanzania. (Jenga means "build" in Swahili.) Scott played the game with her family in Africa for years; she eventually left a job with Intel to launch Jenga at a 1983 toy fair, where it became an instant gaming phenomenon [source: Little].

Part of Jenga's charm is its simplicity; nothing but wooden blocks and gravity. But even this simple game can teach us a lot about the more complex world of structural engineering. Buildings, after all, are vulnerable to the same forces that can topple a Jenga tower -- forces like loads, tension, compression, torsion and more. An accidental bump of the game table is an excellent scale version of a catastrophic earthquake.

LOADS

One of the most important principles of structural engineering is loading. Have you heard of a load-bearing wall?



No, you don't need a degree in structural engineering to win at Jenga, but it sure seems that way sometimes, doesn't it?

Photo Credit: Jeffrey Coolidge/[Getty Images](#)

It's usually an internal wall (like the one that divides your kitchen and living room) that also serves as a column that holds up the second floor or the roof. If you remove a load-bearing wall, the structure might not be able to support its own weight -- and that spells trouble.

In Jenga, no two wooden blocks are cut to exactly the same dimensions, which means that the blocks rest on each other unevenly [source: Smith]. One of the main tricks of Jenga is locating the "loose" pieces, which are easier to remove without disturbing the integrity of the tower. If a piece is loose, then you know it can't be load-bearing.

So what does this teach us about structural engineering?

When designing a building, engineers need to consider the load path from the top of the building to the foundation. Each level of the structure needs to support the forces applied downward from the levels above. Members of the structure, like beams, columns, rivets, concrete and dry wall.

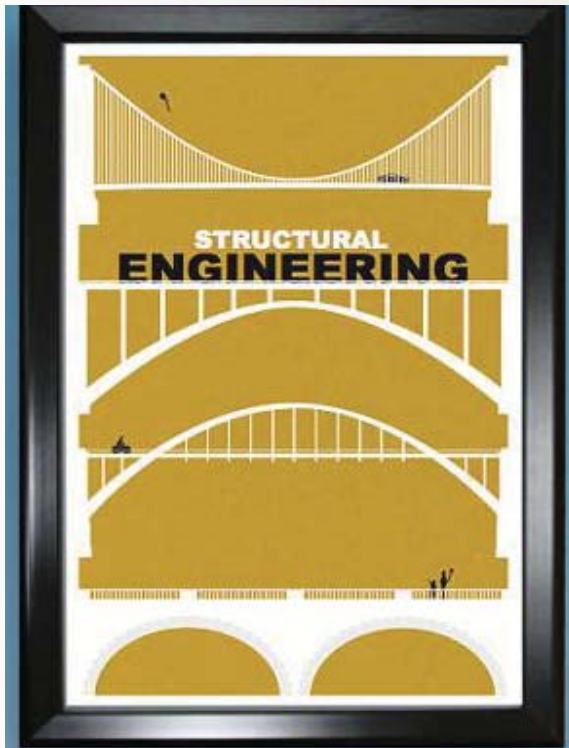
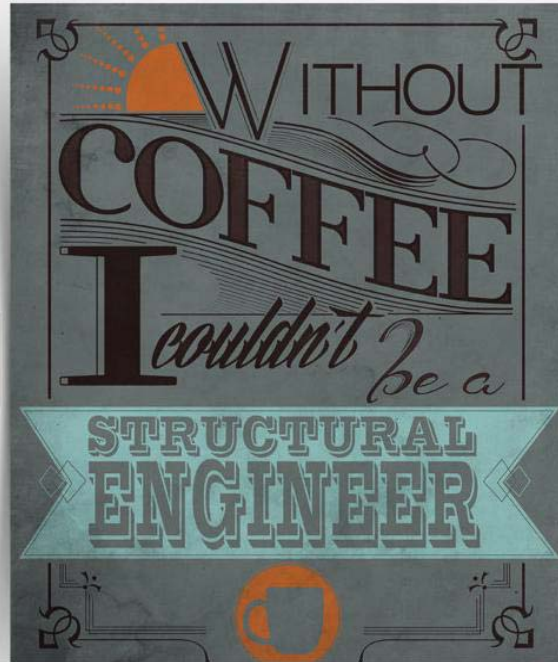
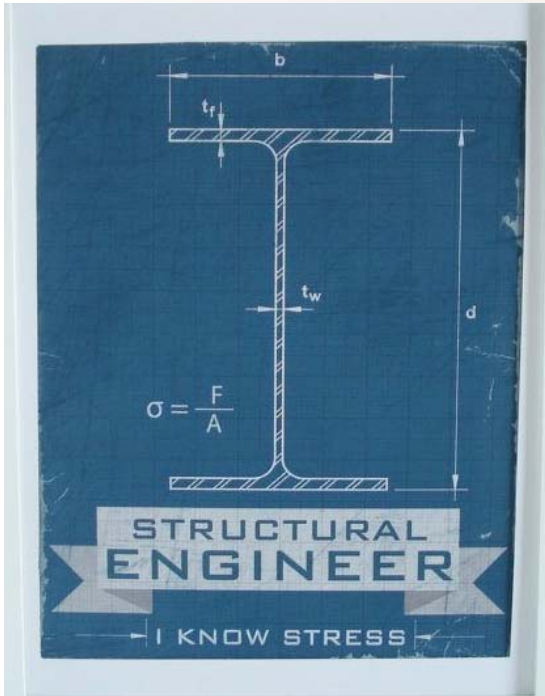
Engineers need to do careful calculations to ensure that load-bearing walls, ceilings and roofs can support dead, live and even dynamic loads, particularly when building in seismically active zones.

The next important principle that Jenga teaches about structural engineering is the importance of a foundation...

Read more about loads, foundations, building materials, supports, and earthquakes at

<http://science.howstuffworks.com/engineering/structural/5-things-jenga-teaches-structural-engineering.htm>

Holiday Gift Giving Hints



Suprise the engineers in your life with these hand-made gifts this holiday season. Available at online e-commerce website [Etsy.com](https://www.etsy.com), which sells handmade and vintage items. Use keywords “structural or civil engineer” to locate items.

Structural Engineer- I Know Stress \$18 unframed 11x14” art print

Engineer handmade ornament \$18

Trust Me I’m a Civil Engineer \$15 unisex t-shirt

Without Coffee I Couldn’t Be a Structural Engineer \$18 unframed 11x14” art print

Structural Engineering bridge design \$16 11x17” unframed art print

'Tis the Season of Giving... and Getting!

Did you know there are several ways to give and get with SEAOSC?

GIVE: A Scholarship donation to "SEAOSC" by check or credit card

GET: A tax deduction as a "business expense" (* IRS restrictions apply.)

GIVE: A donation to "SEAOSC Foundation" by check or credit card

GET: A tax deductible charitable donation

GIVE: A donation of time as a volunteer on one of SEAOSC's many committees. Have an unpredictable schedule? Don't worry, SEAOSC has many other "one-time" volunteer tasks!

GET: Respect, professional growth, networking.

GIVE: An advertisement in SEAOSC's monthly newsletter

GET: Exposure to over 1000 members in Southern California



COSMOS Technical Session on Simulated and Site Specific Design Ground Motions

The Consortium of Organization for Strong Motion Observation Systems (COSMOS) will be holding its Annual Meeting and Technical Session at the Hilton Garden Inn in Emeryville, California on **Friday, November 22nd**.

The day-long technical session will focus on two subjects. The first subject is "Simulated Ground Motions – Are We Ready to Use for Design" and the second subject is "Developing Site Specific Risk-Targeted MCE Design Ground Motions that satisfy 2012IBC/2013CBC Requirements". Updates will also be provided on the COSMOS VDC, the Center for Engineering Strong Motion Data, the PEER DGML Online Tool and proposed changes to Site Factors for ASCE 7-2016. As in years past, the last part of the Technical Session will include a lively panel session.

This year's COSMOS Technical Session is being co-sponsored by the Pacific Earthquake Engineering Research Center (PEER) and the California Geological Survey (CGS).

For complete program and registration details for the COSMOS Annual Meeting and Technical Session, visit the COSMOS website at www.cosmos-eq.org.



Tri-County Lunch Meeting

Thursday, November 21, 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: Radisson Santa Maria, 3455 Skyway Drive, Santa Maria, CA 93455

Networking Time: 11:00am **Lunch:** Noon **Program:** 12:30-1:30 pm

Cost: \$35; Students: \$20;

Lunch Menu: Choice of Tri-Tip Sandwich, Charbroiled Chicken Sandwich or Vegetarian Sandwich. Please indicate preference below or in "Comments" field for online registrations.

Reservations: Make advance reservation before Friday, Nov. 18 via SEAOSC.org, fax or email. SEAOSC is charged for "no-shows" so please notify office if you must cancel. "Walk-ins" welcome.

TRI-COUNTY LUNCH RESERVATION FORM

Reservations Due Before: Nov. 18, 2013

Name: _____ Phone: _____

Your email: _____

Individual Attendees: ____ @ \$35 = \$ _____

Entree Selection: _____ Number of Students: ____ @ \$20 = \$ _____

TOTAL = \$ _____

Credit Card Number: _____ Expiration: _____

Signature: _____ 3 digits on back of card: _____

Billing Address: _____ Zip Code: _____



2013 Annual Holiday Party

**You & a Guest
Are Invited to Attend
SEAOSC's Holiday Party
Wednesday, Dec. 4, 2013
at
The Jonathan Club
545 South Figueroa Street
Los Angeles, CA 9007**

Sponsored by:



*New this year: Raffle!
Tickets available for cash
purchase at the door.*

Rooftop Reception: 5:30 pm & Dinner: 7:00 pm

Cost: \$95 per person

Online registrations at www.seaosc.org

Attire: Holiday Semi-Formal

Gentlemen: Neckties required by club, Ladies: A sweater or jacket recommended

Entree choice of filet
mignon, sea bass or
vegetarian



Los Angeles Dinner Meeting

Wednesday, January 8, 2014

Program: “2013 CBC Requirements for Concrete Anchorage with an Emphasis on Post-installed Adhesive Anchors”

Abstract: As California adopts the 2013 CBC, understanding the new concrete anchorage requirements is essential for those who specify and/or approve anchors used for structural and nonstructural attachments. There have been significant changes made to Appendix D of ACI 318-11 as well as ASCE 7-10. Similarly, changes made to the testing requirements of ICC-ES AC 308 for adhesive anchors have recently been adopted by ICC-ES. This presentation will elaborate on the relevant changes in the reference standards & evaluation criteria, as well as explore the effects from these changes to the design, detailing and performance of adhesive anchors under the 2013 CBC.

Speakers: Lorena Arce, P.E., Hilti; Jason Oakley, P.E., Simpson Strong Tie; Howard Silverman, P.E., ICC-ES

View speaker biographies at www.seaosc.org.

Location: Luminarias Restaurant, 3500 Ramona Blvd, Monterey Park, CA

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

Cost: Online registrations before 10 pm Jan. 7: \$35; Students: \$25; **Walk-ins: \$45**

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 Tuesday, Jan. 7 via SEAOSC.org, fax or email. **Please provide advance notice if you prefer a vegetarian entree.** Full refund for cancellations received prior to registration deadline; sorry, no refunds on or after the event date.

LOS ANGELES DINNER RESERVATION FORM: JAN 8, 2014

Reservations Due By: Jan. 7, 2014

Name: _____ Phone: _____

Your email: _____

Individual Attendees: ____ @ \$35 = \$_____

Number of Tables: ____ @ \$245 = \$_____ Number of Students: ____ @ 25 = \$_____

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

Credit Card Number: _____ Expiration: _____

Signature: _____ 3 digits on back of card: _____

Billing Address: _____ Zip Code: _____



LYNN E. HANGER
EXECUTIVE DIRECTOR

Tel: (562) 908-6131
Fax: (562) 692-3425
Email: seaosc@seaosc.org

**STRUCTURAL ENGINEERS ASSOCIATION
OF SOUTHERN CALIFORNIA**
A Non-Profit California Corporation

1105 S. EUCLID ST, #D409
FULLERTON, CALIFORNIA 92832

**2013-2014
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November 15, 2013

2014 Student Scholarship Awards

Dear Student Scholarship Supporter:

On **Wednesday, February 5, 2014**, the Structural Engineers Association of Southern California (SEAOSC) will host its annual **Student Scholarship Awards Ceremony** to award outstanding students from the universities in the Southern California area. SEAOSC scholarship recipients in past years have gone on to become leaders in the Southern California structural engineering community, from managers of prominent structural engineering firms to leaders within SEAOSC. The scholarship awards are a tool for outstanding engineering students to further their education and pursue the challenging profession of structural engineering.

We cordially invite you and your firm to join us in contributing to the **2014 Scholarship Fund**. Your generous contribution will undoubtedly support the development of our talented and motivated structural engineering students.

The 2014 scholarship recipients will be awarded on **Wednesday, February 5, 2014** at Luminaries Restaurant in Monterey Park. The awards ceremony will begin with the annual **Structural Engineering Job Fair** for our student guests. In previous years, the job fair was attended by nearly 200 students with 13 structural engineering firms participating.

This year, we are offering three levels of sponsorship, each with the following benefits:

- Silver: \$150–499
 - Text recognition of your name or firm in the program
 - A compilation of participating student résumés on a CD
- Gold: \$500–999

2014 Student Scholarship Awards (Continued)

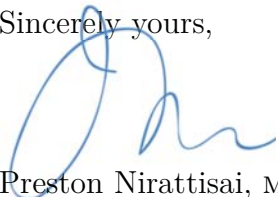
- Text recognition of your name or firm in the program including your choice of a short firm biography *or* short descriptions of up to 2 open job positions
 - A compilation of participating student résumés on a CD
 - Your choice of a job fair table for 2 company representatives (does not include dinner) *or* a sponsored dining table including 2 dinner entrées
- Platinum: \$1000 and more
 - Logo recognition of your name or firm in the program including your choice of a short firm biography *or* short descriptions of up to 2 open job positions
 - A compilation of participating student résumés on a CD
 - Both a job fair table for 2 company representatives *and* a sponsored dining table including 2 dinner entrées

You can easily make your donation online with a credit card at www.seaosc.org in the amounts of \$150, \$500 or \$1000, or by mailing in the enclosed donation form for any other amount. Either way, your contribution is greatly appreciated, and will strengthen and enhance the structural engineering community.

Please go online or mail your contributions to the SEAOSC office no later than Friday, January 24, 2014, so that your firm can be properly recognized.

We thank you in advance for your support and contribution to build a better future for our new and upcoming structural engineers. If you have any questions, please do not hesitate to get in touch with me at anytime.

Sincerely yours,



Preston Nirattisai, M.S.C.E, E.I.T.
Chairman
SEAOSC Younger Member Committee
pnirattisai@gmail.com

with the 2014 Scholarship Coordinators:
Nathan Jo, nathanjo@gmail.com
Michael Makris, mpmakris@gmail.com
Paul St Pierre, F.E./E.I.T. paulleonstpierre@gmail.com

encl: Donation form



Student Scholarship & Job Fair Donations

Please submit your donations and program content by January 24, 2014.

SEAOSC will present scholarships to outstanding undergraduate students from Southern California that are pursuing degrees in Civil Engineering with an emphasis in Structural Engineering. The financial awards are contingent upon the donations received by SEAOSC members and local engineering firms.

**Scholarship Awards Ceremony will be held on Wednesday, February 5, 2014,
At Luminarias Restaurant, 3500 Ramona Blvd, Monterey Park, CA 91754
Registration available online at www.seaosc.org.**

Silver: \$150-499

- Text recognition of your name or firm in the program
- A compilation of participating student resumes on a CD

Gold: \$500-999

- Text recognition of your name or firm in the program including your choice of a short firm biography or short descriptions of up to 2 open job positions
- A compilation of participating student resumes on a CD
- Your choice of a job fair table for 2 company representatives (does not include dinner) OR a sponsored dining table including 2 dinner entrees

Platinum: \$1000+

- Logo recognition of your name or firm in the program including your choice of (1) a short firm biography or (2) short descriptions of up to 2 open job positions
- A compilation of participating student resumes on a CD
- Both a job fair table for 2 company representatives AND a sponsored dining table including 2 dinner entrees

Please direct questions to Event Chair: Preston Nirattisai, preston@safetyfactorzero.com, 818-273-9980

Please return form with payment and attachments via email: seaosc@seaosc.org, fax: 562-692-3425, or mail: 1105 S. Euclid St. #D409, Fullerton, CA 92832. Please make checks payable to "SEAOSC".

STUDENT SCHOLARSHIP DONATIONS

Scholarship Donation Amount = \$ _____

Contact Name: _____ Phone: _____

Email: _____

Donor Name To Appear in Program: _____

Firm Name To Appear in Program: _____

Mailing Address to receive Resume CD: _____

Please select:

Program Inclusion: _____ Firm Bio (text) _____ 2 Job Positions (text) _____ Company Logo (.jpg)
Please email to Paul St. Pierre, paulleonstpierre@gmail.com by Jan. 24, 2014.

Table Choice: _____ Job Fair Table AND/OR _____ Dinner Sponsorship Table
Company Representative Names (2): _____

Card number: _____ Expiration date: _____



Aerial view of Interstate 5 collapse at Gavin Canyon in Los Angeles County, January 1994.

Register Now for Northridge 20

January 16-17, 2014 Symposium on 1994 Earthquake

Registration is now open for Northridge 20, a symposium on January 16-17, 2014 commemorating the twentieth anniversary of the 1994 Northridge, California earthquake.

Register Now: <http://www.northridge20.org/register/>

The two-day event at the University of California, Los Angeles will open on Thursday, January 16, 2014 with a multidisciplinary plenary session, “Northridge Earthquake: Impacts, Outcomes, and Next Steps.” The symposium agenda on Friday, January 17, 2014 features concurrent sessions on resilience case studies, insurance, steel structures, wood-frame buildings, and more.

View Symposium Program: <http://www.northridge20.org/program/>

The Northridge earthquake spurred important changes in design, engineering, public policy, risk modeling, and insurance. Panel discussions at the Northridge 20 symposium will focus on challenges and necessary steps forward to make our communities more resilient to future earthquakes. Join policy makers, government officials, engineers, earth scientists, emergency managers, building owners, community leaders, and professionals from business and financial services industries at this special symposium on January 16-17, 2014.

Register Today for the Early Registration Discount of 20% off through December 1, 2013.

<http://www.northridge20.org/register/>

To learn more, visit <http://www.northridge20.org/>



CFSEI
COLD-FORMED STEEL
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FOR IMMEDIATE RELEASE

CONTACTS: MARIBETH RIZZUTO
412.521.5210 / MSRizzuto@aol.com

DEBBIE BENNETT
202.452.7179 / dbennett@steel.org

CFSEI TO HOST WEBINAR ON SPECIFYING COLD-FORMED STEEL ON DECEMBER 5, 2013

WASHINGTON, DC, November 6, 2013 —The Cold-Formed Steel Engineers Institute (CFSEI) will host a webinar on “Specifying Cold-Formed Steel” on Thursday, December 5, 2013 at 3:00 PM Eastern Time. The webinar will cover best practices for writing and reviewing structural general notes and architectural specifications. It is designed for architects, engineers, building officials and contractors. Participants are eligible for 1.5 continuing education units.

Structural general notes and architectural specifications are often neglected until late in the design process. Outdated or erroneous general notes can be costly to the owner and time-consuming to the Engineer of Record.

This webinar will equip writers of general notes and specifications to: 1) quickly identify problems with outdated or improper specifications, 2) write specifications with little chance of misinterpretation, and 3) create easy-to-follow specifications that permit contractor innovation while ensuring code compliance and long-term serviceability.

Contractors or specialty designers who must comply with general notes and specifications will learn how to: 1) quickly find pitfalls in submitted specifications, 2) understand the questions to ask when bidding or building projects with specific specification language, and 3) win projects based on accurate bidding and fair interpretation of the specifications.

The webinar presenter is Don Allen, P.E., from DSi Engineering, who has been involved with thousands of cold-formed steel design projects and has written and interpreted specifications for a broad range of clients. In his current position, he writes and interprets structural general notes and architectural specifications on a daily basis. Allen served as chairman of the Steel Stud Manufacturers Association committee tasked with providing steel industry advice on MASTERSPEC® and MASTERFORMAT®. He currently chairs the American Iron and Steel Institute (AISI) Committee on Framing Standards General Provisions Subcommittee and is Vice Chairman of the CFSEI Atlanta/Southeast Chapter. He was the 2013 recipient of the CFSEI Distinguished Service Award. More information on the webinar and registration details are available at www.cfsei.org.

The Cold-Formed Steel Engineers Institute comprises hundreds of structural engineers and other design professionals who are finding a better way to produce safe and efficient designs for commercial and residential structures with cold-formed steel. CFSEI members work together to develop and evolve industry standards and design methods, produce and issue technical bulletins, and provide seminars and online training to improve the knowledge and skills base of engineers and design professionals. For more information, visit www.cfsei.org.

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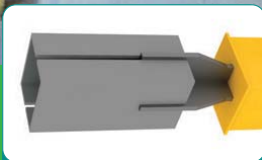


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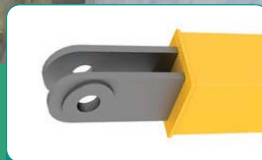
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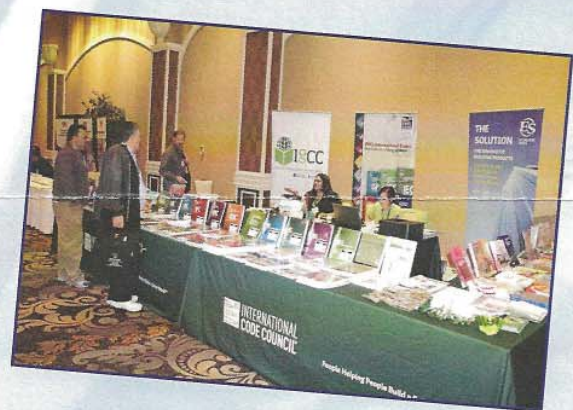
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KNA is located in Irvine, California and specializes in the structural design of educational, civic and healthcare facilities.

For additional information, please visit our website at www.KNAconsulting.com. Interested candidates are encouraged to contact us at careers@KNAconsulting.com. KNA offers competitive compensation along with a comprehensive benefit package.

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Apply: Please submit a cover letter and resume to our website <http://www.kpff.com/contacts-7/40> via our Career Opportunities online listing for a Structural Engineer

Location: Portland, OR

Part-Time/Contract CE or SE

Immediate opening for part time/ contract (work from home) Civil/ Structural engineer with California PE, must have minimum of 5 years of recent experience in design of type V large residential custom homes most with basements. Firm is located in Orange County, CA. Please send resume to: unitedengineers714@gmail.com

WoodWorks

WoodWorks: Timber Design Market Development-Southwest Region Director

Location: Home Office – Los Angeles or San Francisco, CA
Status: Full-Time Permanent

Primary Role: To build a network of architects, engineers, builders and developers throughout California, encourage these individuals to use more wood in their designs, and support their ability to do so by providing technical assistance.

Essential Job Functions:

- Provide guidance, through technical support and education, related to the design of non-residential and multi-family wood buildings.
- Present educational seminars on the design of wood buildings.
- Contact specifiers and offer wood-based solutions that meet their objectives.
- Further develop the California market using traditional and consultative sales techniques.

To apply, email your resume to careers@woodworks.org.

WoodWorks

WoodWorks: Timber Design Market Development-Technical Advisor

Location: Home Office – Los Angeles or San Francisco, CA
Status: Full-Time Permanent

Primary Role: Work with the Southwest Regional Director to build a network of architects, engineers, builders and developers throughout California, encourage these individuals to use more wood in their designs, and support their ability to do so by providing technical assistance.

Essential Job Functions:

- Provide guidance, through technical support and education, related to the design of non-residential and multi-family wood buildings.
- Present educational seminars on the design of wood buildings.
- Contact specifiers and offer wood-based solutions that meet their objectives.
- Further develop the California market using traditional and consultative sales techniques.

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San Francisco registration: \$125
Date & Time: Tuesday, November 19, 2013 – 8 am to 4 pm
Location: Grand Hyatt, San Francisco

New York registration: \$125
Date & Time: Monday, December 2, 2013 – 8 am to 4 pm
Location: Columbia University, Alfred Lerner Hall

Registration includes:

- Textbook: "Modeling for Structural Analysis" by Professor Graham Powell (value: \$150)
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SEAOSC NEWS: Advertising & Sponsorship Opportunities

SEAOSC publishes an electronic newsletter, SEAOSC News, which is posted online at 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, 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.



2013-2014 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	Doug Thompson ^{1,2}	949-599-0320	dougt@stbse.com
President-Elect	Kevin O'Connell ²	310-323-9924	oconnell@structuralfocus.com
Treasurer	Michelle Kam-Biron ²	805-410-2877	mkambiron@awc.org
Immediate Past President	Joe LaBrie ²	626-445-0366	labrie@makeitright.net
Directors	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
(¹ Delegate to SEAOC)	Ken O'Dell	562-985-3200	kodell@mhpse.com
(² Member of Exec. Cmte.)	James Parker	949-930-2157	jcarker@sgh.com
	Kelsey Parolini	805-439-2110	kelsey@smithstructural.com
	Ryan Smith	949-305-7889	rsmith@sideplate.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	Kelsey Parolini* OPEN	805-439-2110	kelsey@smithstructural.com
Younger Members	Francisco Garcia* Preston Nirattisai Tarik Saoud	323-717-1303 818-273-9980 310-309-7439	fgarcia@fjengineering.com preston@safetyfactorzero.com tarik.saoud@gmail.com
Image & Public Relations	Ken O'Dell* OPEN	562-985-3200	kodell@mhpse.com
Technology	Lynn Hanger* Casey Hemmatyar	562-908-6131 888-889-5643	seaosc@seaosc.org ckh@psfeg.com
Education	Michelle Kam-Biron* Herb Stockinger	805-410-2877 909-595-0840	mkambiron@awc.org herbstock@aol.com
Sub Cmte: Webinars	Francisco Garcia	323-717-1303	fgarcia@fjengineering.com
Professional Bus. Practices	Ryan Smith* OPEN	949-305-7889	rsmith@sideplate.com
Building Codes & Stds.	Doug Thompson* Y. Henry Huang	949-599-0320 562-865-0861	dougt@stbse.com hhuangpe@gmail.com
Seismology	Ifa Kashefi* Bahram Zarin-afsar	213-482-0440 949-261-6988	ifa.kashefi@lacity.org b@1zai.com
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Quality Assurance	Daniel Traub* OPEN	310-254-1900	dtraub@walterpmoore.com
Disaster Emergency Svcs.	Diana Nishi* Doug Litchfield	323-733-6673 818-913-3558	diana.nishi@englekirk.com dlitchfield@mwdh2o.com
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