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 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 Association 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 (Continued on Page 4)

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

Table of Contents
New Members Pg 2
Calendar Pg 3
New Zealand Tax Breaks Pg 5
Jenga & Struct. Engineering Pg 6
Holiday Gift Giving Guide Pg 7
SEAOSC Fdn & COSMOS Pg 8
Upcoming Event Flyers Pgs 9-14
Advertisements & Job Ads Pgs 15-22
Contact Info (Revised) Back

Visit our website: www.seaosc.org

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 holiday party and 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)
President’s Message  
(Continued From Page 1)

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, iconklin@kpf-la.com
Erwin Pascua, Melvyn Green & Associates, Torrance, estriver@gmail.com

Member SE
Neil Bahen, KPFF Consulting Engineers, Los Angeles, nbahen@kpf-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.

**SEAOCS ANNUAL EVENTS: 2013**

- Feb. 6:  Student Awards 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
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
New Zealand 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.”
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?

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. Elements 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, 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 it’s 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.
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 is 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
Network 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.
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

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

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

Entree choice of filet mignon, sea bass or vegetarian
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: ______________
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**

---

SAFER BUILDINGS THROUGH STRUCTURAL ENGINEERING

(Continued on Page 13)
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,

[Signature]

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: ____________
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 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.

###
Management, Simplified.

EngineerOffice

Time tracking, project management and billing beautifully blended.

855-687-1030 | www.bqe.com/seaosc

UNBONDED BRACE™

Customized Connections for Strength & Aesthetics.

“This project required unusually short BRB collectors that had to meet tough seismic strain criteria. Nippon Steel worked closely with us to develop and refine connection and BRB details, maximizing overall seismic performance.”

– Bill Janhunen CE & John Wolf SE,
Tipping Mar, Berkeley, CA
680 Folsom Street, San Francisco, CA

NIPPON STEEL & SUMIKIN ENGINEERING USA
Unbonded Braces™ are proudly made in the USA

www.unbondedbrace.com

Advertisements, announcements and inserts are for the information of readers and are not intended as endorsements by SEAOSC.
Register by February 21st for Best Selection

EduCODE international
Knowledge to build on

Seventeen Years of Building Code Education 2014

March 10 - March 14, 2014
THE ORLEANS HOTEL - LAS VEGAS, NEVADA
1-888-ICC-SAFE (422-7233), ext. 33818
www.iccsafe.org/training • www.educode.us

Advertisements, announcements and inserts are for the information of readers and are not intended as endorsements by SEAOSC.
Fast-Track Your Engineering Career

Enroll now:
- Construction Management
- Technical Management
- Lean Six Sigma

Winter Courses begin Jan 6 in Westwood, and Downtown LA. TMP begins Mar 23 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.

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)

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

KNA Consulting Engineers has an immediate opening for engineers at all experience levels. Qualified applicants must have an ARCE or BSCE Degree (Structural) from an accredited University, proficiency in seismic design, working knowledge of Revit, excellent communication skills and be able to demonstrate good application of learned analytical skills. Previous engineering intern experience is a plus.

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.

KPFF Consulting Engineers

KPFF Portland is looking for motivated Structural Project Engineers interested in opportunity for growth.

Qualifications
- 3+ years of structural engineering experience
- PE & MS/MEng engineering degrees
- Revit Structure experience
- Strong verbal/written communication skills
- Creative, proactive, & detail-oriented
- Individuals who thrive when working with architects, contractors & engineers

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.

To apply, email your resume to careers@woodworks.org.
COMPUTERS & STRUCTURES, INC.
STRUCTURAL AND EARTHQUAKE ENGINEERING SOFTWARE

Instructor: Ashraf Habibullah
President and CEO, Computers & Structures, Inc.

A One-Day Technology Transfer Event
The theory and practice of PERFORMANCE-BASED DESIGN
THE FUTURE OF EARTHQUAKE ENGINEERING

SAN FRANCISCO
Tuesday, November 19, 2013
NEW YORK CITY
Monday, December 2, 2013

A SEMINAR FOR EVERY PRACTICING ENGINEER - BRIDGING THE GAP BETWEEN RESEARCH AND PRACTICE

Performance-based design is a major shift from traditional structural design concepts and represents the future of earthquake engineering. The procedure provides a method for determining acceptable levels of earthquake damage. Also, it is based on the recognition that yielding does not constitute failure and that preplanned yielding of certain members of a structure during an earthquake can actually help to save the rest of the structure. In this technology-packed seminar, Ashraf will present the theory and practical application of nonlinear analysis and performance-based design in terms and analogies that are very familiar to the practicing structural engineer. Attendees will leave the seminar empowered with a clear understanding of this new technology.

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)
Continental breakfast, luncheon, and refreshment breaks
Gift drawings and prizes you won’t want to miss!

REGISTER TODAY! www.csiamerica.com

COMPUTERS & STRUCTURES, INC.
36 W. 44th Street, Suite 300, New York, NY 10036 - USA
events@csiamerica.com | www.csiamerica.com

TECHNOLOGY FOR A BETTER WORLD

CSI is an ISO-9001 certified company.
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:
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:
¾-page: 3¼ inches (wide) by 4¼ inches (high)
½-page: 6 ¾ inches (wide) by 4 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:
Deadline Issue Month Approx. Posted Date

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Doug Thompson</td>
<td>949-599-0320 <a href="mailto:dougt@stbse.com">dougt@stbse.com</a></td>
</tr>
<tr>
<td>President-Elect</td>
<td>Kevin O’Connell</td>
<td>310-323-9924 <a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>Joe LaBrie</td>
<td>626-445-0366 <a href="mailto:labrie@makeitright.net">labrie@makeitright.net</a></td>
</tr>
<tr>
<td>Directors</td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ifa Kashefi</td>
<td>213-482-0440 <a href="mailto:ifa.kashefi@lacity.org">ifa.kashefi@lacity.org</a></td>
</tr>
<tr>
<td></td>
<td>Diana Nishi</td>
<td>323-733-6673 <a href="mailto:diana.nishi@englekirk.com">diana.nishi@englekirk.com</a></td>
</tr>
<tr>
<td></td>
<td>Ken O’Dell</td>
<td>562-985-3200 <a href="mailto:kodell@mhpse.com">kodell@mhpse.com</a></td>
</tr>
<tr>
<td>(Delegate to SEAOC)</td>
<td>James Parker</td>
<td>949-930-2157 <a href="mailto:jcparker@sgh.com">jcparker@sgh.com</a></td>
</tr>
<tr>
<td>(Member of Exec. Cmte.)</td>
<td>Kelsey Parolini</td>
<td>805-439-2110 <a href="mailto:kelsey@smithstructural.com">kelsey@smithstructural.com</a></td>
</tr>
<tr>
<td></td>
<td>Preston Nirattisai</td>
<td>818-273-9980 <a href="mailto:preston@safetyfactorzero.com">preston@safetyfactorzero.com</a></td>
</tr>
<tr>
<td></td>
<td>Tarik Saoud</td>
<td>310-309-7439 <a href="mailto:tarik.saoud@gmail.com">tarik.saoud@gmail.com</a></td>
</tr>
<tr>
<td>Directors</td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Herb Stockinger</td>
<td>909-595-0840 <a href="mailto:herbstock@aol.com">herbstock@aol.com</a></td>
</tr>
<tr>
<td></td>
<td>Ken O’Dell</td>
<td>562-985-3200 <a href="mailto:kodell@mhpse.com">kodell@mhpse.com</a></td>
</tr>
<tr>
<td>(Delegate to SEAOC)</td>
<td>Lynn Hanger</td>
<td>562-908-6131 <a href="mailto:seaosc@seaosc.org">seaosc@seaosc.org</a></td>
</tr>
<tr>
<td>(Member of Exec. Cmte.)</td>
<td>Methhee Chiewanichakorn</td>
<td>310-323-9924 <a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td></td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith</td>
<td>949-305-7889 <a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>Daniel Traub</td>
<td>310-254-1900 <a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
<tr>
<td></td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Casey Hemmatyar</td>
<td>888-889-5643 <a href="mailto:ckh@psfeg.com">ckh@psfeg.com</a></td>
</tr>
<tr>
<td></td>
<td>Herb Stockinger</td>
<td>909-595-0840 <a href="mailto:herbstock@aol.com">herbstock@aol.com</a></td>
</tr>
<tr>
<td></td>
<td>Lynn Hanger</td>
<td>562-908-6131 <a href="mailto:seaosc@seaosc.org">seaosc@seaosc.org</a></td>
</tr>
<tr>
<td></td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Casey Hemmatyar</td>
<td>888-889-5643 <a href="mailto:ckh@psfeg.com">ckh@psfeg.com</a></td>
</tr>
<tr>
<td></td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith</td>
<td>949-305-7889 <a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>Daniel Traub</td>
<td>310-254-1900 <a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
<tr>
<td></td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Methhee Chiewanichakorn</td>
<td>310-323-9924 <a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td></td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith</td>
<td>949-305-7889 <a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>Daniel Traub</td>
<td>310-254-1900 <a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
<tr>
<td></td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Methhee Chiewanichakorn</td>
<td>310-323-9924 <a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td></td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith</td>
<td>949-305-7889 <a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>Daniel Traub</td>
<td>310-254-1900 <a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
<tr>
<td></td>
<td>Michelle Kam-Biron</td>
<td>805-410-2877 <a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Methhee Chiewanichakorn</td>
<td>310-323-9924 <a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td></td>
<td>Francisco Garcia</td>
<td>323-717-1303 <a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith</td>
<td>949-305-7889 <a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>Daniel Traub</td>
<td>310-254-1900 <a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
</tbody>
</table>

#### Committees

<table>
<thead>
<tr>
<th>Name</th>
<th>Board Contact Chair(s)</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membership</td>
<td>Kelsey Parolini*</td>
<td>805-439-2110</td>
<td><a href="mailto:kelsey@smithstructural.com">kelsey@smithstructural.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Younger Members</td>
<td>Francisco Garcia*</td>
<td>323-717-1303</td>
<td><a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Preston Nirattisai</td>
<td>818-273-9980</td>
<td><a href="mailto:preston@safetyfactorzero.com">preston@safetyfactorzero.com</a></td>
</tr>
<tr>
<td></td>
<td>Tarik Saoud</td>
<td>310-309-7439</td>
<td><a href="mailto:tarik.saoud@gmail.com">tarik.saoud@gmail.com</a></td>
</tr>
<tr>
<td>Image &amp; Public Relations</td>
<td>Ken O’Dell*</td>
<td>562-985-3200</td>
<td><a href="mailto:kodell@mhpse.com">kodell@mhpse.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technology</td>
<td>Lynn Hanger*</td>
<td>562-908-6131</td>
<td><a href="mailto:seaosc@seaosc.org">seaosc@seaosc.org</a></td>
</tr>
<tr>
<td></td>
<td>Michael Hemmatyar</td>
<td>888-889-5643</td>
<td><a href="mailto:ckh@psfeg.com">ckh@psfeg.com</a></td>
</tr>
<tr>
<td>Education</td>
<td>Michelle Kam-Biron*</td>
<td>805-410-2877</td>
<td><a href="mailto:mkambiron@awc.org">mkambiron@awc.org</a></td>
</tr>
<tr>
<td></td>
<td>Herb Stockingger</td>
<td>909-595-0840</td>
<td><a href="mailto:herbstock@aol.com">herbstock@aol.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Cmte: Webinars</td>
<td>Francisco Garcia</td>
<td>323-717-1303</td>
<td><a href="mailto:fgarcia@fjengineering.com">fgarcia@fjengineering.com</a></td>
</tr>
<tr>
<td></td>
<td>Ryan Smith*</td>
<td>949-305-7889</td>
<td><a href="mailto:rsmith@sideplate.com">rsmith@sideplate.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building Codes &amp; Stds.</td>
<td>Doug Thompson*</td>
<td>949-599-0320</td>
<td><a href="mailto:dougt@stbse.com">dougt@stbse.com</a></td>
</tr>
<tr>
<td></td>
<td>Y. Henry Huang</td>
<td>562-865-0861</td>
<td><a href="mailto:hhuangpe@gmail.com">hhuangpe@gmail.com</a></td>
</tr>
<tr>
<td>Seismology</td>
<td>Ifa Kashefi*</td>
<td>213-482-0440</td>
<td><a href="mailto:ifa.kashefi@lacity.org">ifa.kashefi@lacity.org</a></td>
</tr>
<tr>
<td>Sub Cmte: Research</td>
<td>Bahram Zarin-afsar</td>
<td>949-261-6988</td>
<td><a href="mailto:b@1zai.com">b@1zai.com</a></td>
</tr>
<tr>
<td>Sub Cmte: Steel Bldgs.</td>
<td>Ashi Dhalwala</td>
<td>310-828-1422</td>
<td><a href="mailto:ceginfo@verizon.net">ceginfo@verizon.net</a></td>
</tr>
<tr>
<td>Existing Buildings</td>
<td>Kevin O’Connell*</td>
<td>310-323-9924</td>
<td><a href="mailto:oconnell@structuralfocus.com">oconnell@structuralfocus.com</a></td>
</tr>
<tr>
<td></td>
<td>Methhee Chiewanichakorn</td>
<td>310-596-5000</td>
<td><a href="mailto:methhee@labibse.com">methhee@labibse.com</a></td>
</tr>
<tr>
<td>Quality Assurance</td>
<td>Daniel Traub*</td>
<td>310-254-1900</td>
<td><a href="mailto:dtraub@waltermoore.com">dtraub@waltermoore.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disaster Emergency Svcs.</td>
<td>Diana Nishi*</td>
<td>323-733-6673</td>
<td><a href="mailto:diana.nishi@englekirk.com">diana.nishi@englekirk.com</a></td>
</tr>
<tr>
<td>Legislative</td>
<td>Doug Litchfield</td>
<td>818-913-3558</td>
<td><a href="mailto:dlitchfield@mwdh2o.com">dlitchfield@mwdh2o.com</a></td>
</tr>
<tr>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sustainable Design</td>
<td>To Be Determined</td>
<td>OPEN</td>
<td></td>
</tr>
</tbody>
</table>