



Structural Engineers Association
OF SOUTHERN CALIFORNIA

February 2015
SEAOSC
NEWS



SEAOSC Presents:

The Annual Job Fair & Student Scholarship Awards Night

Wednesday, February 4, 2015

**Luminarias Restaurant
3500 Ramona Blvd, Monterey Park, CA 91754**

Speaker: Jerry McCann, S.E.

**Topic: Global Misperceptions – Challenging the
Deterrents of Engineering, Opportunities
Abroad in Developing and Under-developed
Countries**

Job Fair & Social Networking: 3:30 pm - 6:30 pm

Keynote Speaker: 6:30 pm

Dinner: 7:30 pm

Awards: 8:00 pm - 9:00 pm

**Students: Free; RSVP: \$35; Walk-ins \$45;
Click for more information and to register online**

<http://seaosc.org/>



Mayor Garcetti's quake retrofit plan draws cautious early support- from the LA Times



Excerpts from LA Times article published Jan. 12, 2015 by Rosanna Xia and Rong-Gong Lin II

"It's too early to say whether the mayor's proposals will be adopted without a fight. His plans would require owners to pay for costly retrofits, which could be as much as \$130,000 for wooden apartments and millions for taller concrete buildings. Key details are still being worked out, including whether owners would get any financial support.

But in a city that has long pushed back on mandatory retrofitting as too expensive, the shift in tone is notable.

Some credit the aggressive outreach to businesses and property owner groups by U.S. Geological Survey seismologist Lucy Jones, who the mayor brought on

last year as his earthquake advisor. She has held more than 150 meetings and offered blunt forecasts about how devastated L.A. would be after a major quake.

..."Councilman Tom LaBonge, who suggested a statewide bond measure, said there was no question whether unsafe buildings should be retrofitted. "We have to do it," he said. "The question is how do we do it?"



Read the full article
from www.seaosc.org

FEBRUARY

- 4 Annual Student Job Fair & Scholarship Awards
Luminarias, Monterey Park
- 4 Image & PR Committee Meeting
Luminarias, Monterey Park
- 6 SEAOSC NEWS Content Submission
Deadline for March 2015 Issue
- 20-21 Winter Education Programs
The Grand Event Center, Long Beach

24 "Finite Element Analysis"
Webinar, GoToWebinar

24 Existing Buildings Committee
Meeting
GoToMeeting

25 "BPELSG Licensing Issues"
TriCounty Dinner Meeting
San Luis Obispo

MARCH

4 "Wilshire Grand Tower"
Los Angeles Lunch Meeting
Radisson Hotel at USC

6 SEAOSC NEWS Content Submission
Deadline for November Issue

18 "Career Economics of Structural
Engineering"
Webinar, GoToWebinar



PAGE

IN THIS ISSUE

2 Mayor Garcetti's quake retrofit plan
draws cautious early support

3 December New Members

5 SEAOSC Donates to USRC

6 Volunteers Needed

Features:

President's Message: Kevin O'Connell

Welcome December New Members

Upcoming Events

Classified Ads

PRESIDENT'S MESSAGE

Change is good.



By Kevin O'Connell, S.E.

“SEAOSC is **PROUD** to award scholarships to, **outstanding** students with the **generous** support of our members and their firms ”

February 2015

Happy New Year! The Structural Engineers Association of Southern California is off to a strong start in 2015. Our dinner meetings continue to be well attended and January was no exception. With well over 200 people in attendance, it was by far the biggest dinner meeting we have had in many years (more than I can remember). Dr. Lucy Jones, Science Advisor to Los Angeles Mayor Garcetti, Michael Cochran, SEAOSC/SEAOC Past President, and Raymond Chan, Los Angeles DBS General Manager provided a great presentation centered on Mayor Garcetti's *Resilience by Design* report that was made available this past December.

This is certainly an exciting time to be in the structural engineering profession in Southern California, and that excitement seems to be shared by many of you as evident by the recent dinner meeting attendance. Structural engineers have always discussed building performance, but now we are getting others to talk about this important topic. From scientists, to our governmental leaders, to newspaper reporters, to building owners, to financial institutions, to the general public, people are talking about buildings, building performance, and structural engineering. These are exciting times indeed.

The excitement continues with our February meeting which will be our annual Job Fair and Student Schol-

arship Night on Wednesday, February 4, 2015. As many of you know, SEAOSC awards scholarships to outstanding students from universities in the Southern California area. SEAOSC is proud to be able to do this, and we could not award these scholarships without the generous support of our members and member's firms. I encourage you to donate to the Student Scholarship Fund and help deserving students continue their engineering education so they can eventually join our work force.

Speaking of joining the work force, with the improving economy, I am sure many firms out there are looking for talented young engineers, and a great place to find them is at the SEAOSC Job Fair. There are several levels of sponsorship with varying benefits, see the information elsewhere in this newsletter and the SEAOSC website for additional information. I want to give a big thank you to Nathan Jo, the Chair of the SEAOSC Young Members committee, as well as the rest of the committee, for organizing the Job Fair and Student Scholarship Night.

I look forward to seeing everyone at our February dinner meeting. 2015 is off to a great start for SEAOSC, I hope that your 2015 is off to a great start as well.

Respectfully,

Kevin O'Connell, S.E.

SEAOSC President

The 2014 SEAOC Member Directory is Now Available!

A handy compilation of all current members of the Structural Engineers Association of California regional associations (SEAONC, SEAOC, SEAOSC, and SEAOSD) is available to members each year.

Read Online:

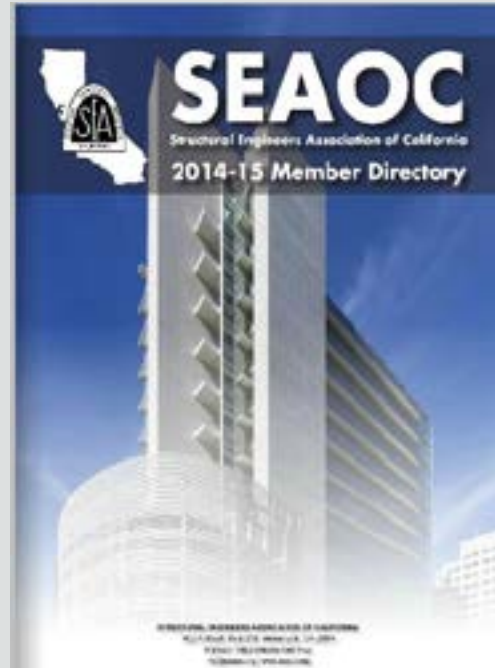
Log-in to your SEAOC member account at www.seaoc.org.

Once logged in, navigate to Membership > Member Directory. Look for the links to view and search the directory online or download a .pdf version.

Request a Print Copy:

As benefit of SEAOSC membership, you are entitled to a printed copy free of charge! Follow the links to add the print version to your online shopping cart. Please allow 30 days for delivery.

Questions? If you have trouble logging-in or accessing the directory, please contact info@seaoc.org.



WELCOME

NEW MEMBERS

December 2014

Member SE

Massoud Abolhoda

County of Santa Barbara
mabolhoda@co.santa-barbara.ca.us

Member

Yu-Wen Chi

Saiful Bouquet Structural Engineers
yuwchi@gmail.com

Eduardo Lopez

Aark Engineering, Inc.
eddie.lopez.el@gmail.com

Students

California State University, Fullerton
California State Polytechnic University, Pomona
Southern Illinois University



31 December 2014

Kevin O'Connell
Structural Engineers Association of Southern California

Dear Kevin:

Thank you for your generous contribution of \$500 to the U.S. Resiliency Council in 2014. For decades, the structural engineering profession has dreamed of the day when improved building performance is both commonly understood and regularly put into practice. As a USRC Founding Member, Structural Engineers Association of Southern California is bringing that dream one step closer to reality. Together, we have already accomplished so much in the short span of seven months. Some highlights include:

- Official launch of the USRC website, www.usrc.org,
- Publication of Rating Dimensions and Definitions, based on broad discussion and general agreement, and
- Mayor Garcetti announced an earthquake plan for LA City that includes the voluntary use of the USRC Rating System.

With your help, USRC is now on-track to be able to issue ratings as early as mid-2015.

In 2014, USRC has used funds donated by Founding Members to commence essential startup tasks including leadership, legal, and administration costs; development of bylaws, governance, and certification processes; and dozens of outreach meetings for input and collaboration. USRC activities in 2015 will continue this strong momentum: we will hire an experienced executive director; build tracking systems; develop and teach training curricula; begin to certify professionals; actively invest in public and stakeholder outreach; and most importantly, begin to review and issue ratings.

Founding Members guide the direction of the USRC during this critical phase, with opportunities to review strategic decisions and direction. In addition, a committee of Founding Members is working to define specific, tangible benefits of Founding Membership. For example, Founding Members will be asked to vote yes or no on each candidate for the expanded USRC Board in early 2015.

We look forward to your continued collaboration. While funding is of course essential, we value your active participation just as much. Thank you for joining us in this exciting venture that will set a new course for the resilience of buildings and cities across the nation.

Warmest Regards,

Ronald L. Mayes
Acting Executive Director

Evan Reis
Co-Founder

Kate Stillwell
Co-Founder

Eric Von Berg
Co-Founder

USRC Federal Tax ID number: 45-3686042



SEAOSC is seeking volunteers to assist with the following tasks. Please contact the SEAOSC office if you would like more detailed information about these opportunities.

Membership Committee

- Welcome calls/emails to new members, recruiting new members
- Membership Appreciation Event planning and execution
- Nominations to the Board of Directors
- Newsletter content contributors
- Inventory the SEAOSC storage unit
- Excellence in Engineering Awards judging

Image & Public Relations Committee

- Keeping abreast of Mayor Garcetti's retrofit plan
- Attending industry events on behalf of SEAOSC
- Writing relevant content for the SEAOSC website

Technology/Website

- Populating the Publications for sale on the SEAOSC website
- Social Media contributions
- Graphic designers for banner ads, sliding images



Student Scholarship & Job Fair Donations

Please submit your donations and program content by January 17, 2015.

SEADSC 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 SEADSC members and local engineering firms.

Scholarship Awards Ceremony will be held on Wednesday, February 4, 2015,
At Luminaria Restaurant, 3500 Ramona Blvd, Monterey Park, CA 91754
Registration available online at www.seadsc.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: Nathan Jo, nathranjo@gmail.com

Please return form with payment and attachments via email: seadsc@seadsc.org, fax: 562-692-3425, or mail: 1105 S. Euclid St. 8D409, Fullerton, CA 92832. Please make checks payable to "SEADSC".

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, paulstpiere@gmail.com by Jan. 17, 2015.

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

Card number: _____ Expiration date: _____



Student Scholarship Awards Night

Wednesday, February 4, 2015

Speaker: Jerry McCann, S.E.

Graduating from Cal Poly, San Luis Obispo (undergraduate) Univ. of CA, Berkeley (Masters), he has spent almost 20 years living abroad in Africa. His experience as both an engineer abroad and in the peacebuilding sector, has allowed him to both recognize and challenge the misperceptions of working in lesser developed countries. Now the Deputy Director of Interpeace, overseeing its global operations, he has supported complex processes of peacebuilding in over 20 countries. He attributes much of his success in the peacebuilding field with his development and practice as a structural engineer and construction manager.

Topic: Global Misperceptions – Challenging the Deterrents of Engineering Opportunities Abroad in Developing and Under-developed Countries

Abstract: In the globalized realities of the 21st century, prospects for careers and opportunities can reach far beyond the borders of the United States. While both professional opportunities and global needs offer structural engineers alternatives to the more traditional, US-based positions, many young engineers do not consider this unique direction. Many of those who do look to engage in the profession abroad are confronted with challenges that come from the misperceptions they bring. For those interested in exploring work abroad, including many sectors of international development that can benefit from the skills of engineers, understanding the deterrents of both opportunities and success abroad can give one a strategic advantage going in. Jerry McCann will share his perspectives, looking at both the challenges to pursuing work abroad, especially in the emerging markets of developing and under-developed nations, and the opportunities that await those able to overcome such challenges.

Location: Luminarias Restaurant, 3500 Ramona Blvd, Monterey Park, CA 91754

Time: Job Fair & Social Networking 3:30-6:30 pm; Welcoming remarks & Keynote Speaker 6:30 pm; Dinner 7:30 pm; Awards 8:00- 9:00 pm

Cost: \$35; Students: Free; Walkins \$45;
See additional information for sponsorships and scholarship donations. Meal Donations to offset the cost of student dinners are appreciated.

LOS ANGELES DINNER MEETING RESERVATION FORM: Feb. 4, 2015

Please print legibly!

Attendee(s): _____ @ \$35 = \$ _____

Students: _____ @ FREE

Meal Donation: _____ = \$ _____

Scholarship Donation: _____ = \$ _____

TOTAL = \$ _____

Name(s): _____

Phone: _____ Email: _____

Card number: _____ Expiration date: _____

Signature: _____ Zip Code: _____ CVV Code: _____

Address where you receive your credit card bill: _____



Winter Education Programs

February 20-21, 2015

at

The Grand Event Center
4101 E. Willow St, Long Beach

*Registration
Opening soon,
watch for emails*

Educational Presentations on
Topics including:

- Advanced Wood Framing
- Designing with the New & Improved ACI 318-14
- Special Inspection Requirements for Masonry
- Quality Control in Steel, working with AISC Chapter N
- Light Frame Wood Design
- Wind Design Procedures of ASCE 7-10

See you there!

Sincerely,
Rachel Gutmann
gutmann@coffman.com
SEAOSC Education Committee

WEBINAR



Structural Engineers Association of Southern California

Webinar: *Finite Element Analysis*

Date: February 24, 2015

Time: Noon-1:00 pm

Price: SEAOSC Members: \$75

Nonmembers: \$150 or Member of any national SEA: \$100

Speakers:

Russell Berkowitz, S.E.

Geoff Bomba, S.E.

Masume M. Dana, S.E.

Ali Roufegarinejad

To Register: (Online registration only.)

1. SEAOSC Members: **LOG IN** with your username & password to access the member discount.
2. Click on tab “**Education/Events**”
3. Locate the webinar event on the left column and click for additional details
4. Click on the “**Register**” tab at the upper right-hand side

Presentation notes will be provided after registration using the link provided or emailed prior to the event.



Structural Engineers Association
of Southern California

Tri-County Dinner Meeting *Wednesday, February 25, 2015*

For those within our Tri-County region, save the date for the upcoming February 25th Dinner Meeting in San Luis Obispo. We will be joined by Richard Moore and board members from the Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG) to discuss board enforcement issues, current PE and SE examinations, SE licensing, and pending/proposed state legislation affecting our industry.

Thanks.

Kelsey Anne Parolini, P.E., S.E.
Senior Structural Engineer

Location: San Luis Obispo, venue to be determined

Time: Registration and Networking 5:30pm, Dinner 6:30pm, Program 7:30-8:30pm

Cost: Member \$35, Students: \$25, Walk-ins \$45, Table of 8 \$245

Please inform SEAOSC in advance if you prefer a vegetarian entree.

Reservations: Make advance reservations via SEAOSC.org, fax or email. "Walk-ins" welcome at \$45 per person. Cancellations must be received 3 business days prior to event date for full refund.

DINNER MEETING RESERVATION FORM

Please print legibly!

Attendee(s): _____ @ \$35 = \$ _____

Students: _____ @ \$25 = \$ _____

Table of 8: _____ @ \$245 = \$ _____

TOTAL = \$ _____

of Vegetarian Entrees Requested: _____

Attendee Name(s): _____

Phone: _____ Email: _____

Card number: _____ Expiration date: _____

Signature: _____ Zip Code: _____ CVV Code: _____

CLASSIFIED ADVERTISEMENTS

HOPE-AMUNDSON STRUCTURAL ENGINEERS

Hope-Amundson, one of San Diego's most highly respected structural engineering firms, is involved in a variety of high end, challenging projects. Well established, we are fortunate to have strong working relationships with the regions prominent architectural firms, general contractors and owners/developers.

If you are considering a move to the San Diego region, Hope-Amundson has an exciting opportunity for a **PROJECT ENGINEER** with a minimum of three years of building design experience (California PE required). Solid steel and concrete design experience and skills in the commercial, R&D and institutional fields is desired along with a sound working knowledge of design software including RAM Analysis and ETABS. Additionally, as the company extends a high level of responsibility to their staff, excellent communications skills along with a collaborative personality are necessary. We offer an outstanding work environment in which professional growth opportunities are provided. To learn more, visiting our website at www.hope-amundson.com is encouraged.

Individuals interested in this opportunity may contact us in confidence at info@hope-amundson.com or via fax at (619) 235-4675.

special
THANK YOU
to our sponsors

SEAOSC announced NEW sponsorship packages in January for 2014-2015. Thank you to the following companies for their generous sponsorship. We look forward to working with you closely in the year to come.

ICC Evaluation Service
BillQuick
Simpson Strong-Tie

If you or your firm are interested in a sponsorship, please view the available packages and details from the homepage of www.seaosc.org or in the January 2014 Newsletter issue.

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, CA 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.

The **California Earthquake Authority (CEA)** has issued a Request for Qualifications and Proposals (RFQ&P #08-14) seeking an organization or an individual to serve as Program Manager who will be responsible for assembling a multi-disciplinary team to conduct a systematic, scientific, and engineering study that specifically attempts to quantify the performance effects (dollar reduction in damage and loss) resulting from cripple-wall and sill-anchorage retrofits of homeowner dwellings.

The research team should include qualified engineers, earth scientists, construction-cost estimators, and modelers, with the goal to achieve the following:

1. Review past research (including past and present CEA-contracted research);
2. Define representative ("index") buildings for testing;
3. Select representative ground-motion records for test buildings;
4. Perform laboratory tests on building components and sections;
5. Perform numerical modeling on the buildings and their components; and
6. Develop fragility-modification functions for use by loss modelers.

The full text of RFQ&P may be found on the CEA website at www.earthquakeauthority.com under Contracting Opportunities. Questions regarding the RFQ&P will only be accepted via email sent to RFP0814@calquake.com. Questions must be submitted no later than February 13, 2015. Final submission of responses to the RFQ&P are due no later than 5:00 p.m. on March 31, 2015 according to the requirements detailed in the RFQ&P.

BOARD OF DIRECTORS

July 1, 2014 - June 30, 2015

The SEAOSC Board of Directors works on the behalf of our membership. If there are general or specific items you would like to see the Board of Directors address or discuss please contact any of the SEAOSC Board members.

President

Kevin O'Connell
kdoconnell@sgh.com
213-271-1934

President-Elect

Michelle Kam-Biron
mkambiron@awc.org
805-410-2877

Treasurer

Jeff Ellis
jellis@strongtie.com
714-738-2029

Immediate Past President

Doug Thompson
doug@stbse.com
949-599-0320

Directors

Colin Kumabe
colin.kumabe@lacity.org
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Ken O'Dell
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James Parker
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Kelsey Parolini
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310-640-0123

Ryan Smith
rsmith@sideplate.com
949-305-7889

Joseph Valancius
valancius@kcse.com
818-303-1300

SEAOSC Executive Director

Lynn Hanger
seaosc@seaosc.org
562-908-6131

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

COMMITTEE LEADERS

Committees	*Board Contact Chair(s)	Phone	Email
Membership	Kelsey Parolini* Nolan Lenahan	805-439-2110 310-578-2800	kelsey@smithstructural.com nolan.lenahan@arup.com
Younger Members	Ryan Smith* Preston Nirattisai Nathan Jo	949-305-7889 818-273-9980 818-441-8014	rsmith@sideplate.com preston@safetyfactorzero.com nsjo@csupomona.edu
Image & Public Relations	Ken O'Dell* Marcela Opie Samuel Mengelkoch	562-985-3200 949-494-0776 310-323-9924	kodell@mhpse.com marcela@lawsonburke.com smengelkoch@structuralfocus.com
Technology	Lynn Hanger* Casey Hemmatyar	562-908-6131 888-889-5643	seaosc@seaosc.org ckh@psfeg.com
Education	Michelle Kam-Biron* Tim Kaucher Rachel Gutmann Sub Cmte: Webinars Tim Kaucher	805-410-2877 714-738-2151 818-285-2650 714-738-2151	mkambiron@awc.org tkaucher@strongtie.com gutmann@coffman.com tkaucher@strongtie.com
Professional Bus. Practices	Ryan Smith*	949-305-7889	rsmith@sideplate.com
Building Codes & Stds.	Doug Thompson* Carl Sramek	949-599-0320 562-799-6010	doug@stbse.com sramekca@aol.com
Seismology	Colin Kumabe* Bahram Zarin-afsar Sub Cmte: Research Sub Cmte: Steel Bldgs. Ashi Dhalwala	213-482-0447 949-261-6988 310-828-1422	colin.kumabe@lacity.org b@1zai.com ceginfo@verizon.net
Existing Buildings	Kevin O'Connell* Daniel Zepeda	213-271-1934 213-596-5000	kdoconnell@sgh.com dzepeda@degenkolb.com
Disaster Emergency Svcs.	Joseph Valancius* Doug Litchfield	818-240-1919 818-913-3558	valancius@kcse.com dlitchfield@mwdh2o.com
Quality Assurance	Jeff Ellis*	714-738-2029	jellis@strongtie.com
Legislative	Kevin O'Connell*	213-271-1934	kdoconnell@sgh.com
Sustainable Design	Paul Van Benschoten*	818-285-2650	vanbenschoten@coffman.com

