



Structural Engineers Association  
of Southern California

OCTOBER 2017

# SEAOSC NEWS

## INSIDE THIS ISSUE:

Presidents Message	2
Member Spotlights	6
SEAOSC Member News	7
SEAOSC News	8
Committee Updates	14
Industry News	16
SEAOSC Events	18
Advertise/ Sponsor	26
Classified Ads	27
SEAOSC Board & Committees	28

SEAOSC  
437 S. CATARACT AVE  
SUITE #4B  
SAN DIMAS, CA 91773

(562) 908-6131  
SEAOSC@SEAOSC.ORG  
WWW.SEAOSC.ORG

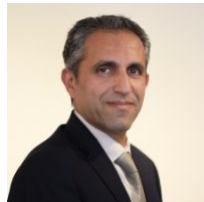
## Join Us for the October LA Dinner Meeting

### PRESENTATION:

#### IDEAS2 Award Winning Pterodactyl Building

The Pterodactyl is an office for a creative advertising agency atop a four-level parking garage in a complex of new and re-modeled buildings in Culver City, California. The building is formed by the intersection of nine rectangular boxes, lifted one level above the garage's top level, stacked either on top of, or adjacent to each other along the west edge of the garage roof. The nine boxes organize essential program elements connected by an interior, second floor bridge, and are supported on the steel column grid extended from the parking garage.

### PRESENTER:



Hooman Nastarin, Principal  
Nast Enterprises Corp.

The co-founder of Nast Enterprises Corp. with more than 20 years of structural experience, Hooman Nastarin is the responsible structural engineer for numerous exotic buildings, each with various citations and awards such as Pterodactyl, Beehive, Stealth in Culver City and Beer Belly in Long Beach.

Wednesday, October 4, 2017

Networking | Dinner |  
Presentation

Doubletree by Hilton  
Los Angeles Downtown  
120 S. Los Angeles Street  
Los Angeles CA 90012

[Register Here](#)



**Pterodactyl Building**

## Have you Renewed your Membership?

Review our membership flier ([www.seaosc.org/Membership-Application](http://www.seaosc.org/Membership-Application)) and renew online. Click Here to renew now. Note that we have an engineer Referral Listing (\$100, [www.seaosc.org/Find-an-Engineer](http://www.seaosc.org/Find-an-Engineer)), used by the public, and Professional Development Program (\$50) to track continuing education as optional services for members. We look forward to your insight, passion and participation and the magnified IMPACT we'll have together!



**Robert "Bob" Lyons**  
President 2017-2018

**SEAOSC 2017-2018 Board**

**President:** Robert "Bob" Lyons,  
SE

**President-Elect:**

Mehran Pourzanjani, SE

**Treasurer:** Kenneth O'Dell, SE

**Past-President:** Jeff Ellis, SE

**Directors:**

Donny Harris, SE

Jackie Vinkler, SE

Josh Gebelein, SE

Massoud Abolhoda, SE

Matt Barnard, SE

Patti Harburg-Petrich, SE

Sandra Biddulph, SE

Todd Brown, SE

Truong Huynh, PE

# President's Message

**August and September brought us unusually powerful earthquakes and hurricanes, causing widespread damage to our built environment.**

The effects of wind, rain, flooding and ground motion had devastating effects on structures and communities. Structural engineers play a key role in the immediate assessment of damage to our buildings and infrastructure, for search and rescue teams, then assessment of safety for occupancy and longer term for repair and replacement. We are also the primary evaluators of the performance of buildings and bridges in response to these natural forces, determining what leads to good performance, what leads to poor performance and how we might change our designs in the future for improved performance. As structural engineers, we are uniquely qualified to assist in recovery after disasters and preparation in advance of future disasters. The Association, through its leadership and committees, is actively involved with ordinances, retrofit design guides, resilient design and other approaches aimed at improving the ability of our communities to prepare for and recover from effects of earthquakes. **Together, our efforts make an impact! Join our committees and be a part of the effort.**

In September, the SEAOSC Board approved a proposal by Daniel Zepeda, Chair of the Existing Buildings Committee, to fund a post-earthquake reconnaissance of Mexico City. The effort is named the **Safer Cities Post-Earthquake Reconnaissance, Mexico City 2017**, building on the SEAOSC branded name *Safer Cities*. The team will leave on October 10. Goals of the reconnaissance include evaluation of collapsed structures, well performing structures, seismically retrofit structures - especially those with similarities to local retrofit ordinances, and community resilience - with interviews of residents and visits to local emergency centers. Watch for more details and reports on their activities, which will be distributed before departure and regularly during the reconnaissance. Follow up will include reports and presentations.

**Team members:**

Daniel Zepeda, SE Leader  
Ken O'Dell, SE  
Russell McLellan, PE  
Marty Hudson, PhD, GE  
Dion Marriott, PhD, PE  
Raul Jimenez, PE

This is a level of involvement not formerly undertaken by SEAOSC, or any SEA that we are aware of, after past earthquakes in other countries. We participate in post-earthquake evaluation after local earthquakes and have the expertise that can be applied outside the local area. **We anticipate gaining information of specific interest to SEAOSC committees** in carrying out their committee charges. We wish the team safe travels and success.

## SEAOSC 2017-2018 Board

President: Robert "Bob" Lyons,  
SE

President-Elect:

Mehran Pourzanjani, SE

Treasurer: Kenneth O'Dell, SE

Past-President: Jeff Ellis, SE

Directors:

Donny Harris, SE

Jackie Vinkler, SE

Josh Gebelein, SE

Massoud Abolhoda, SE

Matt Barnard, SE

Patti Harburg-Petrich, SE

Sandra Biddulph, SE

Todd Brown, SE

Truong Huynh, PE

# President's Message

We've also created a Safer Cities section on our website for information about various efforts and news regarding natural hazard risk, identifying built environment vulnerabilities, strengthening our communities, and community resilience. This section will also contain a Safer Cities Reconnaissance Blog to which our recon team will post about their activities and findings. Be sure to follow this blog and share it with colleagues and friends!

## In this Newsletter

In this newsletter, we profile two engaged and active members of our Building Codes and Standards Committee – Brian Gerber, SE and Conrad Paulson, SE. We thank these two featured committee members as well as all members of this important committee.

Also featured in this newsletter are the ongoing activities and goals for the Building Codes and Standards Committee and the Younger Members Committee.

## September Events

The **Fall Welcome Event**, with a presentation by **Josh Gebelein, SE, and Peter Maranian, SE of Brandow & Johnston and Leonard Joseph, SE of Thornton Tomasetti** on the Wilshire Grand was a great success, with 155 people attending. This event showcased our great committees, providing an opportunity to talk to the committee leaders and sign up for membership. See the article in this newsletter and visit our photo gallery at <http://seaosc.org/page-18142>. Photographs were professionally taken and prepared by our member Dean Reyes, SE. Thank you Dean! We wish to thank all who attended and made this event a success. We appreciate our sponsors for this event GEI, Hilti, MiTek, Mid-State Precast, Simpson Strong-Tie, Trinity Lightweight, and Twining.

Our Education Committee presented a live, informative and timely webinar titled FEMA P-58-2 Design Aid Tool presented by Vesna Terzic, Assistant Professor at the Department of Civil Engineering, California State University Long Beach.

**2017 SEAOC Convention** in beautiful San Diego September 13 to 16, 2017 was once again a great success, with timely educational sessions, exhibit halls, social events, tours and sports.

## Upcoming Events

October is an active month, with dinner presentations in Los Angeles, Orange County and the Tri-county region and a webinar on the SCEC Ground Motion Tool that you will not want to miss.

## SEAOSC 2017-2018 Board

President: Robert "Bob" Lyons,  
SE

President-Elect:

Mehran Pourzanjani, SE

Treasurer: Kenneth O'Dell, SE

Past-President: Jeff Ellis, SE

Directors:

Donny Harris, SE

Jackie Vinkler, SE

Josh Gebelein, SE

Massoud Abolhoda, SE

Matt Barnard, SE

Patti Harburg-Petrich, SE

Sandra Biddulph, SE

Todd Brown, SE

Truong Huynh, PE

# President's Message

## October 4, 2017 LA Dinner Meeting

Presentation on the unique award winning building *Pterodactyl Building*. Presentation will be by member Hoorman Nastarin, PE of Nast Enterprises. Hoorman Nastarin will explain how the architectural design was structurally accommodated. See more details in this newsletter. Event sponsors – MiTek, Midstate Precast, and Simpson Strong-Tie .

In addition to the main presentation, Neville Pereira and a few other firemen with the L.A. City Fire Department and FEMA US&R Task Force CA-TF-I will provide a brief presentation. He just returned from a deployment from Texas and his group is being called out again. They are in need of 4 structural engineers to volunteer to go with them. This is a very important opportunity for structural engineers to make a significant difference as part of a response team for communities impacted by disasters.

## October 17, 2017 Tri-Counties Dinner Meeting

Presentation by Kevin Moore, SE of SGH on *Design of Steel Special Moment Resisting Frames*. Kevin Moore will provide a detailed explanation covering Volume 4: Example I – Special Moment Frame Design. See more details in this newsletter.

## October 25, 2017 Orange County Dinner Meeting

Presentation by Kris Spickler, PE of Structurlam on *The Tallest Wood Building in the World – UBC Brock Commons*. The tallest building in the world is currently an 18 story residential high-rise building at the University of British Columbia. See more details in this newsletter. Event sponsor – Wood-Works.

## October 26, 2017 12:00 to 1:00 PM Webinar

Presentator will be C.B. Crouse, PhD, PE on *SCEC Ground Motion Tool*. The SCEC (Southern California Earthquake Center) Ground Motion Tool will be a web-based tool that may be used with possible Amendments to ASCE 7-16. See more details in this newsletter.

## October 26, 1:00 to 6:00 Younger members AISC Steel day Tour

The YM Committee arranged with AISC a Steel Day 2017 event. The first stop will be at Paramount Roll & Forming, a steel bender/roller, from 1pm to 2:30pm followed by a tour of Plas-Tal, steel fabricator and erector, from 3pm to 4:30pm. Both shops are conveniently located in Santa Fe Springs which is between Downtown and OC. Happy Hour will be at a location TBD at 5pm. This tour should be not only interesting, but informative.

## SEAOSC 2017-2018 Board

President: Robert "Bob" Lyons,  
SE

## President-Elect:

Mehran Pourzanjani, SE

Treasurer: Kenneth O'Dell, SE

Past-President: Jeff Ellis, SE

## Directors:

Donny Harris, SE

Jackie Vinkler, SE

Josh Gebelein, SE

Massoud Abolhoda, SE

Matt Barnard, SE

Patti Harburg-Petrich, SE

Sandra Biddulph, SE

Todd Brown, SE

Truong Huynh, PE

# President's Message

For more information and registration, visit <https://www.aisc.org/why-steel/steelday/events/> and search for the California event, under "tours".

## November 7 and 8, 2017 Summit

**Strengthening Our Cities** SEAOSC Summit returns for the seventh year! Focus this year is on the "Value of Resilient Buildings". It will be attended not only structural engineers, but non-engineers including building owners and managers, risk managers, financiers, building officials and other stakeholders

Featured Summit Speakers are **Marissa Aho**, Chief Resilience Officer with the City of Los Angeles, **Jason Perry**, Resident Managing Director, Senior Vice President of Aon Risk Services and **Evan Reis, SE** Executive Director of US Resilience Council. Each year, this is a well-received and well-attended event and is the cornerstone of the SEAOSC Outreach effort to engage our community and industry partners.

Email announcements already sent provide further details. Watch for future email announcements as this event is finalized.

## December 6, 2017, Holiday Party

The SEAOSC Holiday Party will be held at **Parker's Lighthouse** in Long Beach. If you attended this event in the past, you know this is a pleasant and enjoyable night, filled with great conversation, excellent food and beautiful surroundings. If you have not attended in the past, you should plan on attending this year.

Our Association is made strong by a large and active member base - members such as you - that grows daily, by committees with dedicated members and by an engaged Board of Directors. You may not be aware of this, but SEAOSC is the original SEA, formed in 1929, and one of the most robust and active SEA's in the world. Be proud of your membership. Over the next several months, members of our committees and Board members will be recognized for their involvement in the newsletter.

Your participation in our Association's events and committees is key to our success in advocating for the structural engineering profession and stronger and more resilient communities. I look forward to seeing you at our upcoming meetings and events!



Bob Lyons, SE  
President

# Member Spotlight



**Brian Gerber, PE, SE**

Vice-President of Technical Operations, IAPMO Uniform Evaluation Service

**Email:** [brian.gerber@uniform-es.org](mailto:brian.gerber@uniform-es.org)

**Member Since:** 1983

**Current SEAOSC Role:** Member, Building Codes and Standards Committee

**Favorite Movie:** Recent: Nocturnal Animals (well made with a story within a story) Classic: The Godfather (The main characters are so multi-dimensional – both hero and villain).

**Proudest Accomplishment:** Helping initiate rational methods for deriving seismic design factors.

**Childhood Ambition:** Rock Star, of course.

**First Job:** Plan Check Engineer, Stanislaus County, California

**Why Join SEAOSC:** It is a great place to channel your passions – or find your passions – in our profession.



**Conrad Paulen, PE, SE**

Principal, Wiss, Janney, Elstner Associates, Inc. (WJE)

**Email:** [CPaulson@wje.com](mailto:CPaulson@wje.com)

**Member Since:** 2011

**Current SEAOSC Role:** Member of Codes and Standards Committee; also recently a contributing author to SEAOSC's Design Guide No. 1 regarding Earthquake Hazard Reduction in Existing Non-Ductile Concrete Buildings.

**Favorite Movie:** Doctor Strangelove -- it has fabulous instances of double-entendre throughout the movie.

**Proudest Accomplishment:** In the technical arena, I've several accomplishments that I am proud of -- it is difficult to pick out just one. An interesting yet not-widely-known professional accomplishment is that I am presently serving as a voting member simultaneously on two subcommittees of ACI Committee 318 and also on two task committees of the AISC Committee on Specifications. These appointments give me some interesting insights into the inner-workings of both the ACI 318 Structural Concrete Building Code and the AISC Specification for Structural Steel.

**Childhood Ambition:** Be best in my class at math and basketball, all at the same time.

**First Job:** Admissions Ticket Collector for the U.P. State Fair in Escanaba Michigan

**Why Join SEAOSC:** It is one of the best ways to meet and get to know your fellow structural engineers in Southern California.



# Welcome New Members

## Member SE

- ◇ Nimesh Parikh, MHP
- ◇ Ryan Grasse, Wheeler and Gray

## Member

- ◇ Jose Machuca, Nishkian Chamberlain

## Associate

- ◇ Alexander Talebi, LPA Inc.
- ◇ Joshua Yacoby, Sunrun
- ◇ Julia Ramirez, Fluor

## Young Associate

- ◇ Alan Bagatourian, Ben Ash Iron Works, Inc.
- ◇ Arsen Adzhemyan, City of Los Angeles
- ◇ Faydra Gage, Nishkian Chamberlain
- ◇ Juan Gonzalez, LaChaine and Associates, Inc.
- ◇ Krishna Chaitanya Marepalli, Saiful Bouquet Structural Engineers
- ◇ Luis Miguel, Portea Cal Poly Pomona
- ◇ Sam Kumar, John Labib & Associates

## Affiliate

- ◇ Nimesh Ruth Lehmann, PCI West

## Industry Member

- ◇ Corban Quigg, NTA, Inc.

*SEAOSC is a member-centric organization, where substance and image are equally promoted .*



## Member Referral Program

SEAOSC Members can opt-in to the Referral Program for \$100 annually during dues renewals, July 1- August 31. You may opt-in anytime by contacting the SEAOSC office at [seaosc@seaosc.org](mailto:seaosc@seaosc.org). A listing will appear on [seaosc.org/Member-Services-Search](http://seaosc.org/Member-Services-Search) which includes your name, license number, business address with corresponding Google map, and your selected categories.

## Professional Development Program

While California not does have mandatory continuing education for your license renewal, SEAOSC created this voluntary program to recognize and record members' seminar attendance. You can enroll for \$50 annually during dues renewals (July -Sept). Credit is issued for your attendance at qualifying dinner meetings, seminars and educational events based on 1 credit for each contact hour of continuing education. [Click Here](#) to learn more.

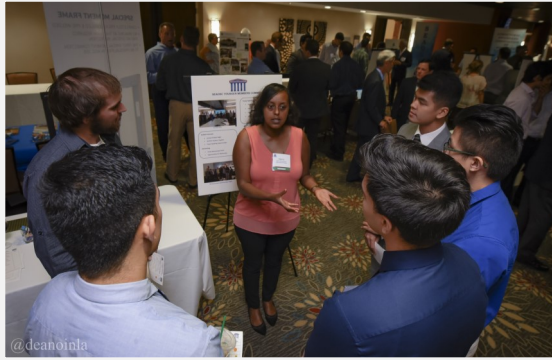
# SEAOSC News | Fall Welcome Event 2017

The SEAOSC Fall Welcome Event was a success as Leonard Joseph, Principal of Thornton Tomasetti, Peter Maranian, Principal of Brandow & Johnston and Josh Gebelein, Associate Principal of Brandow & Johnston presented about the Wilshire Grand Tower in Los Angeles. The event highlighted the importance of collaboration among engineers and the innovation that took process during the design process. The committee showcase was also successful as industry leaders, young engineers and student members interacted and socialized together.





# SEAOSC News | Fall Welcome Event 2017



Visit the Event Photo Gallery for more Pictures at:  
<http://seaosc.org/Events-Photo-Gallery>

# Find an Engineer

The Structural Engineers Association of Southern California (SEAOSC) offers a free Member Services Search service that is intended to assist the public in finding Structural Engineers (SE's) and Professional Engineers (PE's) claiming specialization in various areas of structural engineering. SEAOSC members pay a fee to advertise their "For Hire" design services on this service.

SEAOSC has a helpful brochure to help you understand structural engineering and structural engineers entitled "What you need to know about Structural Engineering. It may be downloaded from our website at: [www.seaosc.org/resources/Documents/SEAOSCBrochureWeb.pdf](http://www.seaosc.org/resources/Documents/SEAOSCBrochureWeb.pdf).

An important first step is to determine the size and scope of your project. You may wish to consult an architect or contractor first to discuss cost, feasibility and design coordination.

To help compile a list of structural engineer prospects.

- ◇ Search the SEAOSC online Member Services Search for firms.

- ◇ Ask your friends and contractors for recommendations.
- ◇ Refer to your local telephone directory (check in the white pages, the "Yellow Pages," or in large metropolitan areas, the "Business Yellow Pages"), or
- ◇ Contact professional engineering and professional land surveying societies, such as SEAOSC, SEAONC, SEAOSD, SEA OCC, and SEAOC.

Confirm the engineer's State Registration.

- ◇ Visit the State of California Board for Professional Engineers and Land Surveyors (BPELSG) website and use the Online License Look-up Database at [http://www.bpelsg.ca.gov/consumers/lic\\_lookup.shtml](http://www.bpelsg.ca.gov/consumers/lic_lookup.shtml) to verify an individual's license, search for local professional engineers in your county, and view any disciplinary actions that have taken place against a licensee. This government agency covers many types of engineers, so be sure to look for "Professional



Engineer" to view their Civil (C) or Structural (S) license.

- ◇ Review the Consumer Guide at [http://www.bpelsg.ca.gov/pubs/consumer\\_guide.pdf](http://www.bpelsg.ca.gov/pubs/consumer_guide.pdf) published by BPELSG for additional information on selecting a qualified engineer.

Select two or more engineering firms and ask for references from previous jobs similar to yours. Verify their expertise in your type of project and their ability to complete projects on time and on budget.

Request that an engineer visit the project site in order to submit a written proposal, including the objectives, anticipated time schedule and engineer's compensation. While some engineers do not charge for a preliminary visit, many do.

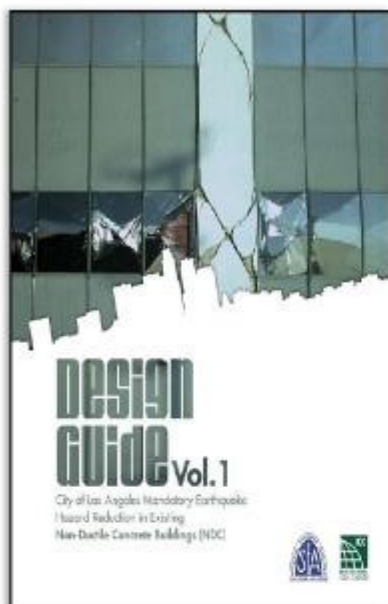
[Click Here](#) to learn more.

## Did you Know? SEAOSC Membership Includes:

Provided in conjunction with the National Council of Structural Engineering Association (NCSEA) and the Structural Engineers Association of California (SEAOC).

- Member discounts on SEAOC's renowned Annual Convention, which provides continuing technical education, networking and social events in resort settings-- plus a free copy of the Convention Proceedings.
- Discounts on our numerous educational opportunities: seminars, webinars and educational meetings held in revolving locations in the Los Angeles Basin and in the Tri-Counties areas.
- Representation on the national and state legislative scenes on issues vital to structural engineers..
- And More..... [Read About it Here](#)

# NDC and SWOF Seismic Retrofit Design Guides



This design guide discusses and demonstrates methodologies for the seismic evaluation and strengthening of existing non-ductile concrete buildings. While aspects of this guide focus on the mandatory City of Los Angeles earthquake hazard reduction ordinance and historical construction practices of the Southern California region, it is generally applicable to any other existing concrete buildings in areas of moderate or high seismicity. In this guide you will find a collection of practical advice, guidance on implementing current evaluation and retrofit methodologies, summaries of relevant and useful reference materials, and detailed examples. Additional insights are given based on the latest available research and next-generation standards development work. Extensive commentary is provided and various approaches are presented to address this challenging subject.

The publication of this design guide coincides with the end of the triennial code cycle, and was written for use with the 2017 City of Los Angeles Building Code based on the 2015 International Building Code and ASCE 41-13. This guide is an excellent resource for practicing professional engineers, architects, building officials, academics, and students evaluating this type of structure.

## SEAOSC Design Guide Vol. 1: City of Los Angeles Mandatory Earthquake Hazard Reduction in Existing Non-Ductile Concrete Buildings (NDC)

### Pricing:

**Non-Members:**

Printed: \$45

Electronic: \$42

**Members:**

Printed: \$38

Electronic: \$35

[Click](#)

[Here to](#)

[Purchase](#)

*Electronic*

*Version*

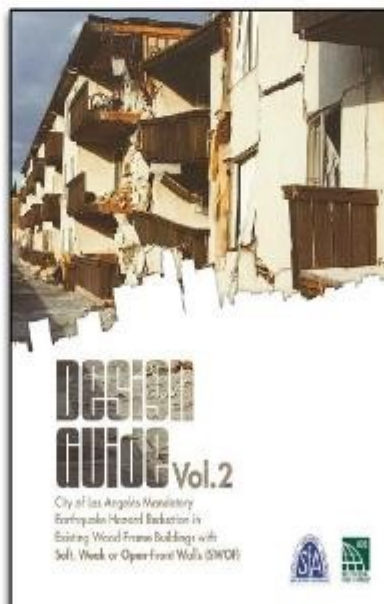
*also*

*Available*

This design guide provides an example and detailed commentary for the seismic strengthening of existing wood-frame buildings with soft, weak or open-front (SWOF) wall lines subject to the recently passed mandatory Los Angeles Ordinance. The design example in this guide demonstrates a prescriptive, ordinance-based retrofit approach for a typical open-front wall line. Following this example, a demonstration is given showing how FEMA P807 could be used to design a retrofit for the same example building.

Commentary in the guide discusses challenges inherent in this type of retrofit including: lateral force-resisting system selection, shear transfer detailing, and existing material capacities. Additionally, capacity-based design concepts are presented to provide creative solutions for buildings with unique challenges. Scope, responsibilities of the design professional, and other topics are discussed in great detail to further aid the design professional and provide a clearer understanding of the requirements of the Ordinance.

This design guide was written for use with the 2014 City of Los Angeles Building Code based on the 2012 International Building Code and ASCE 7-10. This guide is an excellent resource for practicing professional engineers, architects, building officials, academics, and students evaluating this type of structure.



## SEAOSC Design Guide Vol. 2: City of Los Angeles Mandatory Earthquake Hazard Reduction in Existing Wood-Frame Buildings with Soft, Weak or Open-Front Walls (SWOF) Pricing:

**Non-Members:**

Printed: \$29

Electronic: \$26

**Members:**

Printed: \$25

Electronic: \$22





# SAFER CITIES ADVISORY PROGRAM



## Developing a Seismic Safety Ordinance? Or a Back-to-Business Program?

### We have something for you!

The Structural Engineers Association of Southern California (SEAOSC) is here to help. It is who we are. We are here to help develop the technical basis behind local building codes and standards. We are here to be a resource for our members and the industry at large so together we can make a difference.

SEAOSC applauds the increased interest in the seismic safety of our communities; an interest that has developed fortunately now and before the potential loss of life and damage to property. We are proud that our Cities and other local jurisdictions are taking proactive steps to better understand the current risk to life and property of the existing built environment and then develop regulations and means by which that risk can be reasonably and significantly reduced.

We know that you have limited resources, and we know that you want to make sure that what steps you are taking are technically sound. SEAOSC is proud to introduce our Safer Cities Advisory Program, our way of providing the technical insights and creative minds of our membership to further our shared goals of reasonable and effective regulations and programs that make the difference.

Our program is based on a pool of qualified SEAOSC members, able and willing to review regulations and other programs such as a back-to-business program developed by you. Our members will volunteer their time to offer you recommendations to refine to your proposed regulations and programs. We want you to be successful with the implementation of your seismic safety initiatives; let us help you at no cost to you.

All you need to do now is ask for us to help: send us an email at [seaosc@seaosc.org](mailto:seaosc@seaosc.org). We look forward to working with you.

## The Safer Cities Advisory Program is here to complement that great work you are already doing!

The Safer Cities Advisory Program complements your engagement of the structural engineering community. We strongly encourage Cities and other Southern California jurisdictions to engage structural engineers to assist you in determining your inventory of buildings that are highly vulnerable to seismic damage and develop proposed regulations for the retrofit of those structures. The Safer Cities Advisory Program is an option for you to have an independent, qualified review of your draft ordinances and programs. We are here solely to offer you insightful and expert advice from our highly qualified and vetted members.



**Are you a City or other agency or SEAOSC Member interested in our program?** If so, email, call, or write us at the following:

437 S. Cataract Ave., #4-B, San Dimas,  
CA 91773 phone: (562) 908-6131  
email: [seaosc@seaosc.org](mailto:seaosc@seaosc.org)



# The SEAOSC Foundation

The SEAOSC Foundation exists to advance the scientific principles of structural engineering through sponsoring of structural engineering research, publishing of studies, papers and reports of structural engineering significance, and funding of annual student scholarships.

To further the development of structural engineering, the Foundation looks for partners, be it individuals, companies or corporations, who are interested in pursuing structural engineering innovation and research for use in the public domain.

In furtherance of its purposes, the SEAOSC Foundation may:

- Sponsor scientific research, both fundamental and applied, intended to aid in the advancement of structural engineering.
- Provide tuition scholarships for students intending to enroll or are currently enrolled in engineering programs with a structural engineering specialization leading to a degree from an accredited institution of higher learning.
- Publish the results of studies, papers, and other reports of special importance and significance to structural engineers.
- Solicit financial support from structural engineers, foundations, and the general public to support this corporation's activities.

As a 501(c)(3) nonprofit corporation, all donations made to the **SEAOSC Foundation** are tax deductible as a charitable donation, to the extent of the law, by the individual making the contribution.

We are currently seeking donations to advance this effort and hope that you will partner with us to advance structural engineering. Donations can be made by check, made payable to "SEAOSC Foundation" and mailed to the SEAOSC Office:

SEAOSC Foundation  
Attention: Dianne Ochoa  
437 S. Cataract Avenue, #4B  
San Dimas, CA 91773  
Phone: 562-908-6131 or  
E-mail: [foundation@seaosc.org](mailto:foundation@seaosc.org)



## Committee Updates | Professional Practices Committee

The Professional Practices Committee was reactivated last year after having been dormant for the past several years. The Committee is now under the leadership of Daniel Traub, Principal with Walter P. Moore.

The Committee's Mission is to serve SEAOSC members and to provide a benefit of membership by providing a forum to address professional and business practices for structural engineers. Standing Charges of the Committee include the following:

- Research and evaluate current professional and business practices for structural engineers, summarize findings, and develop recommendations for improvement

- Develop guidelines for professional conduct, including ethical responsibility, and addressing matters related to the practice of structural engineering

- Review and update prior Committee documents

- Address topics as scope of engineering services, contract matters, construction submittals, peer review, and professional liability insurance

- Prepare and present one seminar or webinar

Committee Charges for 2017-2018 may include addressing topics, such as the ethical responsibility to inform the public of their choices and costs of various building performance choices, proper partial retrofits, technology in business, and employee training and retention.

This year, the Committee's main focus will be to provide input to the SEAOC Professional Practices Committee, which is updating the Recommended Guidelines for the Practice of Structural Engineering in California. These Guidelines have not been updated since 1999.

Members who are interested in participating and would like to contribute their time should contact Daniel Traub at [DTraub@walterpmoore.com](mailto:DTraub@walterpmoore.com), or 310-524-1900. The Committee plans to have regular meetings during the fiscal year. Most meetings will be virtual meetings although there will be a number of face-to-face meetings as well.

## Committee Updates | Younger Member Committee

### SteelDay—SEAOSC YM Tour + Happy Hour

AISC and the SEAOSC YM group collaborated to plan a double tour followed by a happy hour for Steel Day 2017. The first stop will be at Paramount Roll & Forming, a steel bender/roller, from 1pm to 2:30pm followed by a tour of Plas-Tal, steel fabricator and erector, from 3pm to 4:30pm. Both shops are conveniently located in Santa Fe Springs which is between Downtown and OC. Happy Hour will be at a location TBD at 5pm. Dress Code: No open toed shoes, no nylon clothing, jeans preferred

## Event Details

Event Type:	Facility Tour
Date:	10/27/2017
Time:	1:00 PM - 6:00 PM PT
Location:	12120 E. Florence Ave., Santa Fe Springs, CA 90706
Website:	<a href="http://www.seaosc.org/">http://www.seaosc.org/</a>
Food:	provided
Dress Code:	Business Casual
Safety Gear:	Required: Check Description
Flyer:	<a href="#">Download the Flyer for this Event</a>

### Contact your host

SEAOSC YM  
Russell McLellan  
[ramclellan@sgh.com](mailto:ramclellan@sgh.com)  
213.271.1959



## Industry News | SEAOC News



### SEAOC Response to Concurrent Disasters—Thursday, September 14, 2017

Recent days remind us that our environment is dynamic, powerful, and at times threatening; and that our preparation is critical. Harvey inundated Houston with record-setting rainfall, Irma lashed the Caribbean with Category 5 winds and continued its path of destruction through Florida and the Southeastern United States, Jose looms as a hurricane in the Atlantic, and late Thursday night, Southern Mexico was rocked by its most powerful earthquake in a century. The Structural Engineering Association of California extends our profound sympathy to those who have lost loved ones and property in the Southeast United States, the Caribbean and in Mexico, and we honor and support those who brave danger to help others whether they act as professional rescue personnel or private citizens extending a helping hand.

The current string of extraordinary disasters reminds us that disasters rarely happen in isolation. Storms such as Harvey and Irma can result in incredible wind damage in conjunction with flooding from storm surges or swelling of river and lakes due to upstream rainfall. Earthquakes may unleash floods, landslides, fires and toxic spills, and are sometimes followed by nearly equally powerful aftershocks. Unfortunately, the effects of such disasters can last well beyond the physical devastation, resulting in prolonged impact to communities over days, months and even years afterward as the community or region rebuilds.

Across the state, nation, and international borders, structural engineers play a key role in responding to events such as those in recent news. Structural engineers examine damaged structures and infrastructure systems to determine their level of safety during search and rescue operations, and formally classify them for occupancy in working to return communities to normal as quickly as possible. Structural engineers also play a critical role in improving the response of the built environment to these types of disasters, through research; innovation; in developing, enforcing, and improving building codes worldwide; and ensuring proper implementation of construction practices; to minimize loss of life and property. We study and learn from every disaster and work to continuously improve society's resilience to harmful events.

A key outcome of this learning is that everyone is responsible in helping prevent these disasters from becoming catastrophes. Everyone should know what to do when disaster strikes, and in the moments, minutes and hours that follow, by being personally prepared. Individuals should coordinate their own plans with their families and friends, neighbors, workplaces and institutions. In severe disasters, do not rely on rescue personnel being immediately available to you. Historic and recent events show us that even the best prepared response agencies in the country do not have all the resources necessary to meet the scope of nature's most powerful events. Instead, be prepared to help yourself and to help others.

Preparation should have three parts; before, during and after. Create a plan, practice it and secure necessary supplies and water; heed warnings and follow directions, carefully considering even voluntary evacuation notices, delay can be costly; and finally establish relationships with resources that can help in the recovery phase. When storms or floods threaten, know your escape route and have a back-up, do not enter flooded intersections. When an earthquake occurs, DROP (get low to the ground or floor), COVER (protect your head and neck) and HOLD ON (move with a piece of furniture and use it to protect yourself), do not run out of a building while the ground is shaking. Many injuries and fatalities occur as a result of hidden currents in a flood and falling debris during earthquakes. Through private practice, our local and national Associations, and State Emergency Service agreements, structural engineers stand ready to support communities in planning, response, and recovery.

## Industry News | SEAOSC/SEAOC News

### CBS Los Angeles Interviews SEAOSC Treasurer and SEAOC Communications Chair About La Building Performance

SEAOSC Treasurer and SEAOC Communications Committee Chair **Kenneth O'Dell, S.E.** was interviewed by CBS Los Angeles on September 20<sup>th</sup> as part of a story regarding the recent Mexico City earthquake and questions about Los Angeles building performance in an earthquake.



### Mexico City: Would LA Suffer Similar Building Collapses In A Huge Quake

CBS2's Craig Herrera reports most buildings in Los Angeles could sustain a major quake but there are quite a few that would not.

[Watch the Video Here](#)

(Ken's interview begins around 1:50 minutes into the video)

# SEAOSC Events



## LA Dinner Meeting—October 2017

October 4, 2017—Starts at 5:30pm  
 Doubletree by Hilton Los Angeles Downtown  
 120 S. Los Angeles Street, Los Angeles CA 90012

[Register Here](#)

IDEAS2 Award Winning Pterodactyl Building

The Pterodactyl is an office for a creative advertising agency atop a four-level parking garage in a complex of new and remodeled buildings in Culver City, California. The building is formed by the intersection of nine rectangular boxes, lifted one level above the garage's top level, stacked either on top of, or adjacent to each other along the west edge of the garage roof. The nine boxes organize essential program elements connected by an interior, second floor bridge, and are supported on the steel column grid extended from the parking garage.

[Click Here to View Flyer](#)

## Tri-Counties Dinner Meeting

October 17, 2017—Starts at 5:30pm  
 Four Points by Sheraton, Ventura Harbor Resort  
 1050 Schooner Drive, Ventura, California 93001

[Register Here](#)

Design of Steel Special Moment resisting Frame

SEAOC and ICC published the Seismic Design Manual series: The 2012 IBC Structural/Seismic Design Manual in five volumes. The design examples all incorporate the provisions contained in the 2012 IBC and referenced standards, including ASCE 7-10, AISC 341-10 and AISC 358-10. This in-depth seminar will feature 1 selected design example from the new manuals presented by a nationally-recognized speaker/authors - Kevin S. Moore, Simpson, Gumpertz & Heger. Kevin will present a detailed presentation covering Volume 4: Example 1 - Special Moment Frame Design.

[Click Here to View Flyer](#)



# SEAOSC Events



## OC Dinner Meeting—October 2017

October 25, 2017—Starts at 5:30pm  
Wyndham Irvine-Orange County Airport  
17941 Von Karman Ave, Irvine, CA 92614

[Register Here](#)

The Tallest Wood Building in the World – UBC Brock Commons

The Tallest Wood Building in the World is currently University of British Columbia's Brock Commons, an 18-story residential high-rise. Located on a large forested peninsula on the west side of Vancouver, the University of British Columbia is at the forefront of the global movement to revitalize mass-timber construction and be innovative in the use of engineered wood products in tall buildings. This presentation will cover various aspects of the design, manufacturing and installation approach used, from 3D Modeling to Product Delivery.

[Click Here to View Flyer](#)

## Webinar—SCEC Ground Motion Tool

October 26, 2017—Starts at 12:00pm

[Register Here](#)

The Utilization of Ground Motion Simulation (UGMS) committee of the Southern California Earthquake Center (SCEC) is currently developing risk-targeted Maximum Considered Earthquake (MCER) maps for possible inclusion as an amendment to the ASCE 7-16 edition of the Los Angeles City Building Code (LACBC). These maps are scheduled for release in 2017. The maps will be based on 3-D numerical ground-motion simulations and ground motions computed using the empirical ground-motion prediction equations (GMPEs) from the Pacific Earthquake Engineering Research (PEER) Center NGA West2 project. A web-based lookup tool, similar to the USGS lookup tool, will be posted so users can obtain the MCER response spectrum for a specified latitude and longitude and for a specified site class or 30-m average shear-wave velocity,  $V_{s30}$ ....

[Click Here to View Flyer](#)

# SEAOSC Events



## Strengthening Our Cities Summit

November 7 & 8, 2017—Starts at 8:00am

The Center at Cathedral Plaza

555 West Temple St, Los Angeles CA 90012

[Register Here](#)

What makes resilient buildings valuable to their owners, occupants, and community?

Join hundreds of leaders to define the future of resilience in across SoCal

- Learn from the experts how to saving money with resilient design of new buildings
- Understand building value and how structures fit into resilient communities
- Visit [seaosc.org/summit](http://seaosc.org/summit) to see the full program

[Click Here to View Flyer](#)



# LA DINNER MEETING OCTOBER 2017

## Agenda:

5:30pm-6:30pm  
Registration & Networking

6:30pm-7:00pm  
Dinner

7:00pm  
Presentation

## Cost:

Enroll on or before 9/22/17 for  
Early-Bird Discount

## Early Bird / Regular

## Individual Tickets

Members: \$55 / \$65  
Non-Member: \$65 / \$75  
Students: \$35 / \$35

## Onsite Reg Fee: \$10

## Reserve a Table of 8:

Member: \$465  
Non-Members: \$535

## Exhibit/Sponsorship Opportunity

Single Event: \$500  
Package of 4 Events: \$1700  
(limited to 10 sponsors total)

## Includes:

- Exhibit Table
- 2 Exhibitor Tickets (incl. Dinner)
- 2 Dinner Tickets

For more Information,  
[visit seaosc.org](http://visit.seaosc.org)

**REGISTER NOW!**

**Wednesday, October 4, 2017**

*Networking, Dinner & Presentation*

*Doubletree by Hilton Los Angeles Downtown  
120 S. Los Angeles Street, Los Angeles CA 90012*

**[Register Here](#)**

## PRESENTATION:

### IDEAS<sup>2</sup> AWARD WINNING PTERODACTYL BUILDING

The Pterodactyl is an office for a creative advertising agency atop a four-level parking garage in a complex of new and remodeled buildings in Culver City, California. The building is formed by the intersection of nine rectangular boxes, lifted one level above the garage's top level, stacked either on top of, or adjacent to each other along the west edge of the garage roof. The nine boxes organize essential program elements connected by an interior, second floor bridge, and are supported on the steel column grid extended from the parking garage.

## PRESENTER:



**Hooman Nastarin, Principal  
Nast Enterprises Corp.**

The co-founder of Nast Enterprises Corp. with more than 20 years of structural experience, Hooman Nastarin is the responsible structural engineer for numerous exotic buildings, each with various citations and awards such as Pterodactyl, Beehive, Stealth in Culver City and Beer Belly in Long Beach. Nast Enterprises is a recipient of "Outstanding Project" for NCSEA 2016 Excellence in Structural Engineering Award and 2017 AISC IDEAS<sup>2</sup> National Award for Pterodactyl. Recently, Nast was recognized in the AIA Los Angeles Conference as the 2017 Restaurant Design Award Winner for Beer Belly. Hooman's unique approach toward aesthetic value of buildings has attracted many developers, architects, designers and structural engineers to seek his valuable advice and consulting services to produce simplified solutions to seemingly complex structural engineering problems. He is often invited to lecture or consult architectural students at Sci-Arc, Woodberry, USC and UCLA.



# TRI-COUNTIES DINNER MEETING

## Agenda:

5:30pm-6:30pm  
Social & Registration

6:00pm-7:15pm  
Networking

7:30pm-9:00pm  
Dinner & Presentation

## Cost:

Enroll on or before 10/6/17 for  
Early-Bird Discount

## Early Bird / Regular

### Individual Tickets

Members: \$55 / \$65  
Non-Member: \$65 / \$75  
Students: \$35 / \$35

Onsite Reg Fee: \$10

## Reserve a Table of 8:

Member: \$465  
Non-Members: \$535

## Exhibit/Sponsorship Opportunity

Single Event: \$500  
Package of 4 Events: \$1700  
(limited to 10 sponsors total)  
Includes:

- Exhibit Table
- 2 Exhibitor Tickets (incl. Dinner)
- 2 Dinner Tickets

[Click Here to Exhibit/Sponsor](#)

For more Information,  
[visit seaosc.org](http://visit.seaosc.org)

For help with registration,  
contact the SEAOSC Office at  
562-908-6131. We are here to  
help!

**Tuesday, October 17, 2017**

Networking, Dinner & Presentation

Four Points by Sheraton

Ventura Harbor Resort

1050 Schooner Drive, Ventura, California 93001

[Register Here](#)

## PRESENTATION:

### DESIGN OF STEEL SPECIAL MOMENT RESISTING FRAME

SEAOC and ICC published the Seismic Design Manual series: The 2012 IBC Structural/Seismic Design Manual in five volumes. The design examples all incorporate the provisions contained in the 2012 IBC and referenced standards, including ASCE 7-10, AISC 341-10 and AISC 358-10. This in-depth seminar will feature 1 selected design example from the new manuals presented by a nationally-recognized speaker/authors - Kevin S. Moore, Simpson, Gumpertz & Heger. Kevin will present a detailed presentation covering Volume 4: Example 1 - Special Moment Frame Design.

## PRESENTER



Kevin S. Moore, S.E., Senior Principal  
Simpson Gumpertz & Heger, Inc.

Kevin S. Moore is a Senior Principal and Structural Division Head of Simpson Gumpertz & Heger Inc. in San Francisco. Mr. Moore has been active in SEAOC and SEAONC since 1995.

Over his career, Kevin has served as Chair of the SEAOC Seismology Committee, SEAONC Seismology Committee, SEAONC Steel Subcommittee and SEAONC Public Affairs and Membership Committee. Mr. Moore is the current Chair of the SEAOC Structural Standards Committee and NCSEA Seismic Subcommittee to the Code Advisory Committee. Kevin represents NCSEA with the Building Seismic Safety Council and is now a member, but previously served as the Vice Chair of the AISC Connection Prequalification Review Panel that writes and maintains AISC 358. Kevin is the author of numerous example problems and articles on the design of structural steel moment frame connections, including the SEAOC Seismic Design Manual and Steel Tips. Kevin also served on the SEAOC Ad Hoc committee that reviewed and commented on the results of the SAC research in 2003.





# OC DINNER MEETING OCTOBER 2017

## Agenda:

5:30pm-6:30pm  
Registration & Networking

6:30pm-7:00pm  
Dinner

7:00pm  
Presentation

## Cost:

Enroll on or before 10/13/17 for  
Early-Bird Discount

## Early Bird / Regular

### Individual Tickets

Members: \$55 / \$65  
Non-Member: \$65 / \$75  
Students: \$35 / \$35

### Onsite Reg Fee: \$10

### Reserve a Table of 8:

Member: \$465  
Non-Members: \$535

### Exhibit/Sponsorship Opportunity

Single Event: \$500  
Package of 4 Events: \$1700  
(limited to 10 sponsors total)

### Includes:

- Exhibit Table
- 2 Exhibitor Tickets (incl. Dinner)
- 2 Dinner Tickets

For more Information,  
[visit seaosc.org](http://visit.seaosc.org)

[REGISTER NOW!](#)

**Wednesday, October 25, 2017**

*Networking, Dinner & Presentation*

Wyndham Irvine-Orange County Airport  
17941 Von Karman Ave, Irvine, CA 92614

[Register Here](#)

## PRESENTATION:

### THE TALLEST WOOD BUILDING IN THE WORLD – UBC BROCK COMMONS

The Tallest Wood Building in the World is currently University of British Columbia's Brock Commons, an 18-story residential high-rise. Located on a large forested peninsula on the west side of Vancouver, the University of British Columbia is at the forefront of the global movement to revitalize mass-timber construction and be innovative in the use of engineered wood products in tall buildings. This presentation will cover various aspects of the design, manufacturing and installation approach used, from 3D Modeling to Product Delivery.

## PRESENTER:



Kris Spickler, Mass Timber Specialist  
Heavy Timber Group | Structurlam Products LP

Kris Spickler is the Mass Timber Specialist for The Heavy Timber Group in Sacramento, CA representing Structurlam Products Ltd. in Penticton, British Columbia, Canada. He holds a Bachelor of Science degree in Civil Engineering, with emphasis on wood structural design, from California State University, Fresno. As a licensed California Professional Engineer he has worked in the Engineered Wood Products industry for 30 years. The last fifteen years he has focused Mass Timber design and fabrication utilizing the newest products available. Once a new product specialist working for Trus Joist/Weyerhaeuser he now currently promoting CrossLam CLT panels into the US for Structurlam.





**Date:**  
Thursday, October 26, 2017

**Time:**  
12:00pm – 1:00pm

**Cost:**  
Members: \$75  
Non-Member: \$150

For more Information,  
visit [seaosc.org](http://seaosc.org)

For help with registration,  
contact the SEAOSC Office at  
562-908-6131. We are here to  
help!

## WEBINAR: SCEC GROUND MOTION TOOL

**Thursday, October 26, 2017**

12:00pm-1:00pm

[Register Here](#)

### PRESENTATION

The Utilization of Ground Motion Simulation (UGMS) committee of the Southern California Earthquake Center (SCEC) is currently developing risk-targeted Maximum Considered Earthquake (MCER) maps for possible inclusion as an amendment to the ASCE 7-16 edition of the Los Angeles City Building Code (LACBC). These maps are scheduled for release in 2017. The maps will be based on 3-D numerical ground-motion simulations and ground motions computed using the empirical ground-motion prediction equations (GMPEs) from the Pacific Earthquake Engineering Research (PEER) Center NGA West2 project. A web-based lookup tool, similar to the USGS lookup tool, will be posted so users can obtain the MCER response spectrum for a specified latitude and longitude and for a specified site class or 30-m average shear-wave velocity,  $V_{s30}$ . The acceleration ordinates of the MCER response spectrum will be provided at multiple natural periods in the 0 to 10-sec band; values of SDS and SD1, per the requirements in Section 21.4 of ASCE 7-16, will also be listed.

### PRESENTER



**C.B. Crouse, PhD, PE**, Principal Engineer/Vice President  
AECOM

Dr. C.B. Crouse has been a consultant in earthquake engineering and engineering seismology for 43 years since receiving his Ph.D. degree in civil engineering from Caltech. He is currently principal engineer and vice president at AECOM in Seattle, Washington, where he primarily conducts seismic hazard and soil-structure interaction studies and develops earthquake ground motions (response spectra and time histories) for various types of projects throughout the world. Dr. Crouse was chairman of the subcommittees on ground motion and foundation design for the 2014 NEHRP and ASCE 7-16 seismic provisions, and was past chairman of the subcommittees on ground motion for the 2003, 2008 NEHRP and ASCE 7-05 and 7-10 seismic provisions. He is currently a member of the BSSC Project 17 and Provisions Update Committees and is chairman of the SCEC Utilization of Ground-Motion Simulations committee, which has recently developed a web-based look-up tool for obtaining site-specific MCER response spectra for Southern California per the site-specific requirements in Chapter 21 of ASCE 7-16. The approach involves the use of the NGA West2 ground-motion prediction equations and 3-D physics-based numerical simulations of ground motions from earthquakes on the regional active faults.



# STRENGTHENING OUR CITIES

SEAOSC  
SUMMIT

The Value of Resilient Buildings

November 7 & 8, 2017

[seaosc.org/summit](http://seaosc.org/summit)



Center at Cathedral Plaza

555 W. Temple Street  
Los Angeles, CA

*What makes resilient buildings valuable to their owners, occupants, and community?*

- Join hundreds of leaders to define the future of resilience in across SoCal
- Learn from the experts how to save money with resilient design of new buildings
- Understand building value and how structures fit into resilient communities
- Visit [seaosc.org/summit](http://seaosc.org/summit) to see the full program

## FEATURED SUMMIT SPEAKERS



Marissa Aho  
Chief Resilience Officer,  
City of Los Angeles



Jason Peery  
Resident Managing Director, Senior Vice  
President of Aon Risk Services



Evan Reis  
Executive Director,  
U.S. Resiliency Council

**Sign up today to be a part of planning for a  
safer and more resilient Southern California!**

Thank you to our sponsors for making the  
Summit possible! Sponsorships still available!



# Advertisement & Sponsorship Opportunities



SEAOSC provides opportunities throughout the year for our industry partners to reach their target audience. There are three avenues available: advertising, exhibits and event sponsorship. Details and package discounts are available on the website. [Click Here](#) to purchase.

## Advertising Opportunities

### Newsletter Advertising

SEAOSC publishes an electronic newsletter, SEAOSC News, which is posted online at [www.seaosc.org](http://www.seaosc.org) in a color.pdf format. 11 issues are published annually on a monthly basis, with the exception of a single, combined issue for July and August. The newsletter is available on the public portion of the website.

**NEW FOR 2017!** Job Wanted / Help Wanted Ads will be posted on the SEAOSC [website](#) for 30 days!

### Website Advertising

Website banner ad with company website click-through for one month. Yearly and half-yearly banner ad packages also available. See more

## Exhibit/Sponsor Opportunities

### Exhibit Opportunities

SEAOSC invites our corporate colleagues to exhibit at our educational events and special programs as noted below. Cost includes one 6 ft. draped table, meal for up to 2 exhibit staff, 2 complementary tickets for exhibitors to give to non-SEAOSC members who may be interested in attending.

- Winter Education Programs (January)
- Spring Education Programs (April/May)
- SEAOSC Educational events – 4 opportunities available annually
- SEAOSC Summit (November)

### Sponsorship Opportunities

SEAOSC has special opportunities for additional sponsorships, vendors, and exhibitors at additional events and seminars throughout the year. Please see the events below and check the SEAOSC Events Calendar for the most up-to-date information!

- Student Scholarships & Job Fair (February)
- Winter Education Programs (January)
- Spring Education Programs (April/May)
- Annual End-of-Year Awards & Past President's Dinner (June)
- Annual Golf Tournament (August)
- SEAOSC Summit (November)
- Monthly Dinner Meetings

# Classified Ads



## Civil Engineer-Structural Design

Opportunity for civil engineer at Tahoe City, California. Skills should include 6 to 10 years experience in structural design of residential and commercial projects, CAD and/or Revit a plus, snow country experience preferred, PE preferred or the ability to obtain license in California and Nevada within 1 year, SE license is a bonus, design of wood framing, moment frames, steel, and concrete required. Code knowledge and constructability design is critical. People skills are highly valued. Projects range from private residences, workforce housing, apartments and condominiums, commercial, and remodels/additions. Health benefits, 401k, PTO, profit sharing, excellent salary, and flexible schedule. This is a unique opportunity to join a 30 year old firm in one of the most premier outdoors areas in the country at Lake Tahoe, California. JKA has offices in both Auburn and Tahoe City. A flexible job schedule that allows the enjoyment of the outdoors recreation and a healthy family life. The culture of young creative staff enhances growth and excitement. Contact [gary@jkaedesign.com](mailto:gary@jkaedesign.com) for detailed job description and to send resume and letter of interest.



## Senior and Mid-Level Structural Engineers

Founded in 1946, Buehler & Buehler Structural Engineers, Inc. (B&B) provides a wide range of structural engineering services throughout the United States.

We are looking for both Senior and Mid-Level Structural Engineers committed to long term employment for our Los Angeles office. Senior Structural Engineers should have their California S.E. with 15+ years of structural design and analysis experience in a broad range of project types, experience managing projects and strong client relationships. Mid-Level Structural Engineers should have at least 3+ years of experience in structural design and analysis, California P.E. preferred. B&B offers a competitive salary and excellent benefits including medical, dental, vision, 401(k), profit sharing, paid holidays, vacation and sick time, life insurance, and annual bonuses, as well as the opportunity for advancement.

Opportunities are also available in our Sacramento, San Francisco, Silicon Valley and Phoenix offices.

Please submit cover letter, resume and references to [resumes@bbse.com](mailto:resumes@bbse.com) for immediate consideration.



## Engineers

Are you looking to share your talents with a collaborative, fun group of structural engineers working in a dynamic downtown San Francisco office on some of the most challenging and exciting structural and seismic projects in California and around the world? Do you want to be part of an exciting and thoughtful team in a work environment that actively encourages and supports individual professional growth through ongoing education, training, and mentoring? If so, FORELL/ELSESSER ENGINEERS, INC. wants to hear from you!

We are currently looking to add engineers with a Masters' degree in civil/structural engineering at both entry level and with 2-5 years' experience, ideally with a PE.

Find out more about us and this opportunity at [www.forell.com](http://www.forell.com). Interested candidates should forward their resumes and cover letter to [recruiting@forell.com](mailto:recruiting@forell.com)



## BOARD OF DIRECTORS

July 1, 2017 – June 30, 2018

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

### President

Robert "Bob" Lyons, S.E.<sup>1,2</sup>  
blyons@risha.com  
818-729-9777

### President-Elect

Mehran Pourzanjani, S.E.<sup>1,2</sup>  
mehran@saifulbouquet.com  
626-304-2616

### Treasurer

Ken O'Dell, S.E.<sup>2</sup>  
kodell@mhps.com  
562-985-3200

### Immediate Past President

Jeff Ellis, S.E.<sup>1,2</sup>  
jellis@strongtie.com  
714-738-2029

(1 Delegate to SEAOC)

(2 Member of SEAOSC Exec. Cmte.)

### Directors

Massoud Abolhoda, S.E.  
mabolhoda@co.santa-barbara.ca.us  
805-568-3120

Matt Barnard, S.E.  
mbarnard@degenkolb.com  
213-596-5000

Sandra Biddulph, S.E.  
sbiddulph@dc-engineers.com  
949-892-4950

Josh Gebelein, S.E.  
jgebelein@bjsce.com  
213-596-4500

Patti Harburg-Petrich, S.E.  
Patti.Harburg-Petrich@BuroHappold.com  
310-920-0056

Donny Harris, S.E.  
Donny.Harris@labibse.com  
310-665-1536

Truong Huynh, P.E.  
Truong.Huynh@longbeach.gov  
562-570-6921

Jackie Vinkler, S.E.  
vinkler@johnmartin.com  
213-483-6490

### SEAOSC Executive Director

Dianne Ochso  
seaosc@seaosc.org



## Structural Engineers Association OF SOUTHERN CALIFORNIA

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.

Committees	Chair(s)	Phone	Email
<b>Membership</b>	Kerry Regan	323-536-2363	kregan@bbse.com
	Christian Cody	323-907-2523	christian.cody@hilti.com
Subcmte: Golf Tourn.	Kevin O'Connell	213-271-1934	kdoconnell@sgh.com
Subcmte: Women in SE	Michelle Kam-Biron	805-498-4864	mkambiron@awc.org
<b>Younger Members</b>	Noya Wang	213-271-1939	nanwang@sgh.com
	Maria Mohammed	310-323-9924	mmohammed@structuralfocus.com
<b>Image &amp; Public Relations</b>	Samuel Mengelkoch	310-323-9924	smengelkoch@structuralfocus.com
<b>Education</b>	Matthew Michnewich	213-785-3195	mmichnewich@johnmartin.com
<b>Professional Practices</b>	Daniel Traub	310-254-1900	dtraub@walterpmore.com
<b>Building Codes &amp; Stds.</b>	Michael Ciorte	213-897-0314	michael.ciorte@dgs.ca.gov
	Colin Kumabe	562-221-9418	ckumabe@gmail.com
<b>Seismology</b>	Josh Gebelein	213-596-4540	jgebelein@bjsce.com
Subcmte: Steel Bldgs	Ashwani Dhalwala	310-828-1422	ceginco@gmail.com
<b>Existing Buildings</b>	Daniel Zepeda	213-596-5000	dzepeda@degenkolb.com
<b>Disaster Emergency Svcs.</b>	Doug Litchfield	909-392-5353	dlitchfield@mwldh2o.com
<b>Quality Assurance</b>	James McDonald	213-271-1912	jamcdonald@sgh.com
<b>Sustainable Design</b>	Vivian Peña	213-271-1966	vdpena@sgh.com
<b>Summit</b>	David Williams	213-596-4992	dwilliams@degenkolb.com
	Saeed Fathali	415-264-0029	sfathali@structuraltec.com

Please visit <http://seaosc.org/committees> to view the annual committee charges and tasks.

437 S. Cataract Ave., #4-B, San Dimas, CA 91773  
T: (562) 908-6131 • F: (562) 692-3425  
seaosc@seaosc.org • [www.seaosc.org](http://www.seaosc.org)