



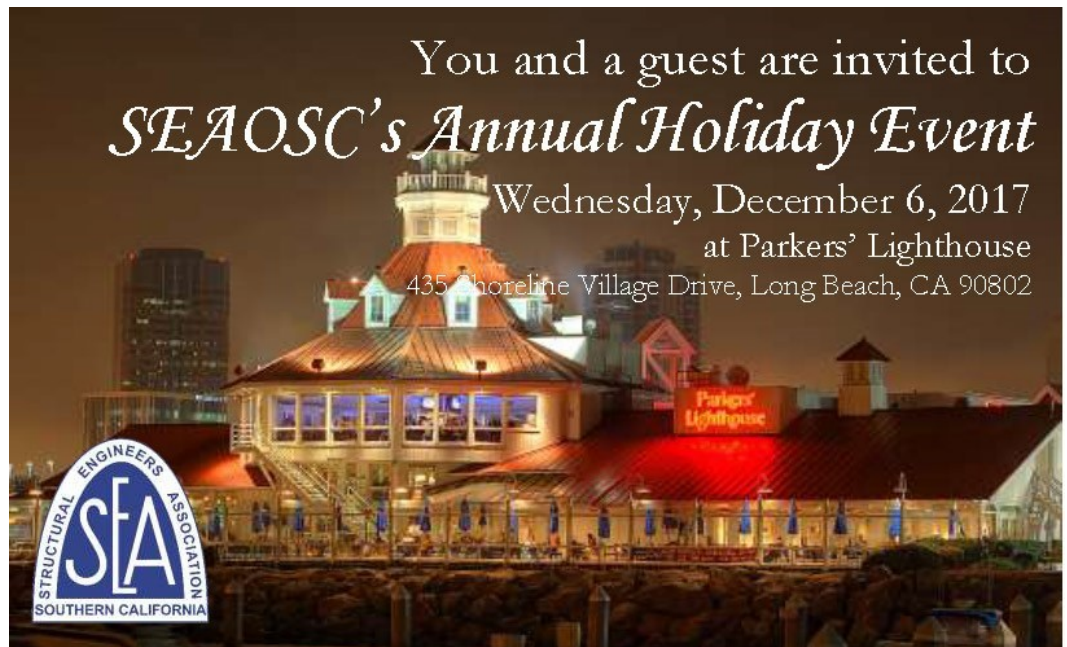
Structural Engineers Association
of Southern California

SEAOSC NEWS

DECEMBER 2017

INSIDE THIS ISSUE:

Presidents Message	2
Member Spotlights	5
SEAOSC Member News	7
SEAOSC News	8
Committee Updates	14
Industry News	15
SEAOSC Events	17
Advertise/ Sponsor	22
Classified Ads	23
SEAOSC Board & Committees	26



Join Us for our SEAOSC Annual Holiday Dinner!

Cocktails, Dinner & "50/50" Raffle

Raffle to benefit the upcoming Students Night scholarships

Social Hour: 6-7pm | Dinner: 7pm | Hosted Bar until 7pm

Attire: Holiday Semi-Formal

\$85 per General Member & Guest | \$35 per Young Professional & Guest*

\$105 per General Non-Member & Guest

Parking Included

* Associate, Young Associate & Student Members of SEAOSC

Special Thanks to our Exclusive Sponsors



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

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

Have you Renewed your Membership?

Review our membership flier (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), 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



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

Happy Holidays! This past November 7th and 8th, SEAOSC presented the **Seventh Annual Strengthening Our Cities Summit**. The Summit theme this year was the [Value of Resilient Building Designs](#). Resilient Buildings are a key component of a resilient community. We, as a community, want and need resilient communities to protect against the collapse of our regional economy following a major earthquake. The ability of a community to recover quickly, allow residents to continue living in their houses and businesses to continue conducting business locally, is a community effort and at the heart of this effort are buildings that we can occupy after an earthquake.

The Summit, originally known as Buildings at Risk, was formed with a dual purpose. First, as a way to engage structural engineers in improving seismic performance of buildings and provide the tools we need to educate our clients on the importance and benefit of good performance. Second, as an outreach to members of our community beyond our familiar engineering community. The focus of the second goal – explain to building owners, building tenants, facility managers, policy makers, financial managers, facility risk managers and other stakeholders what we know about the importance of good seismic performance of buildings. With the Summit, we strive to advance public understanding of seismic performance of buildings and involve stakeholders in advancing public policies that improve the ability of our buildings to survive inevitable earthquakes.

The Summit Committee, under the leadership of David Williams and Saeed Fathali, designed a well thought-out program around the program theme of Value of Resilient Buildings. They sought out and secured presenters uniquely qualified on their topic. The result was a well-attended program of value and interest to attendees with a variety backgrounds. Thank you David and Saeed for the extraordinary time, thought and effort you gave this signature annual event.

Planning for next year's program is already underway. See you there next year!

We encourage members to visit the [Safer Cities](#) webpage for information on recent SEAOSC activities promoting community resilience. This web page presents information useful to engineers in their practice and in conversations with clients about seismic resilience. Consider sharing this link with your clients and potential clients.

In this Newsletter

In this Newsletter, we highlight the dedication of two active committee members: Cheng Song, Ph.D., has been a member since 2016 and is currently a Young Member Committee member & Existing Building Committee participating member.

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

Also, Russell McLellan, P.E., who has been a member since 2014 and is an Existing Building Committee (EBC) Member; Young Member (YM) Committee Member; Resilient Structural Design (RSD) Subcommittee Non-Voting Member. **Together our efforts make an Impact!**

Also in this newsletter, is an article from the Younger Member Committee, highlighting their kick-off meeting for the fiscal year and their collaboration with AISC for Steel Day tours.

NIST and ATC are jointly sponsoring an engineering contest entailing the predicted response of a beam-column test on members of known properties. Read the article in this newsletter for details on the contest.

November Events

The **November LA Dinner meeting** presentation was a panel discussion – Effective Leadership and Management for all Engineers moderated by David. Panelists on this informative topic were Garret Mills of Taylor & Syfan, Patti Harburg-Petrich of BuroHappold Engineering, Richard Chen of Miyamoto International, and Edward Arrington with the City of Los Angeles. Many thanks to our panelists for their insightful comments.

November 28, 2017 SEAOC [Tall Building Initiative Guidelines for Performance-Based Seismic Design of Tall Buildings, Version 2](#)

SEAOC and PEER presented this seminar in each of the four member organizations of SEAOC. The TBI Guidelines present a recommended alternative to the prescriptive procedures for seismic design of buildings contained in the ASCE 7 standard and the International Building Code (IBC). This seminar explained the updates to the original 2010 version of the guidelines. Matt Michnewich of the Education Committee served as the local representative and provided SEAOC/SEAOSC coordination.

Upcoming Events

December 6, 2017 [Annual Holiday Event](#)

Enjoy good company and good food at Parker's Lighthouse in Long Beach! Social Hour starts at 6 PM, dinner at 7 PM. Participate in a raffle to benefit the February Students Night Scholarships. If you have not yet registered for this, we can accommodate a few more people at the door. We wish to thank CSI for their very generous donation. Their donation allows us to reduce registration prices, especially for Younger Members. Hope to see you there!

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

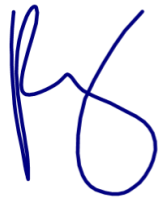
President's Message

January 10, 2017 Joint SEAOSC and AIA event, [Walt Disney Imagineering](#)

Kent Estes, Principal Structural Engineer with Disney Imagineering, will provide inside information on the Disney theme park design process. [AIA is inviting their members](#) to attend this event at member prices. Come join us, learn about the Disney Imagineering and network with architects and your fellow engineers. Be sure to invite your architectural clients to attend.

Please visit the [SEAOSC Event Calendar for events](#) of interest to our members, including SEAOSC seminars, webinars, special events and committee meeting announcements. We update the events regularly, so visit often.

Together, our efforts make an impact! Join our committees and be a part of the effort.



Bob Lyons, SE
President

Life Member Spotlight



James R Cagley, SE

SEAOSC Member Since: 1973

SEAOSC/SEAOC Document Contributions: ATC 3

Professional Accomplishments: Past Chair of ACI 318 and the founding president of NCSEA



Charles Knarr, SE

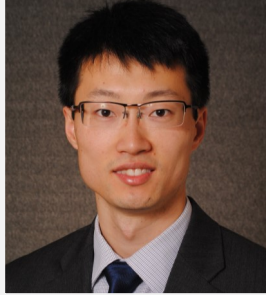
SEAOSC Member Since: 1979

SEAOSC/SEAOC Committee Participation: Seismology Committee, and Ad hoc committee for non-building structures.

SEAOSC/SEAOC Document Contributions: Recommended Lateral Force Requirements and Commentary (Blue Book).

What SEAOSC has meant to Charles: Was able to share my knowledge with fellow structural engineers. Was able to gain much knowledge from fellow structural engineers. Was able to have many great relationships with professional engineers.

Member Spotlight



Cheng Song, Ph.D., E.I.T.
Graduate Engineer
Walter P. Moore and Associates

Email: csong@walterpmoore.com

Member Since: 2016

Current SEAOSC Role: Young Member Committee member & Existing Building Committee participating member

Favorite Movie: Inception

Proudest Accomplishment: Become a Structural Engineer

Childhood Ambition: Become a famous Architect

First Job: Earthquake Engineer at NEES

Why Join SEAOSC: Stay in touch with peer engineers, participate and contribute in technical committees



Russell McLellan, P.E.
Staff I- Structures
Simpson Gumpertz & Heger

Email: ramclellan@sgh.com

Member Since: 2014

Current SEAOSC Role: Existing Building Committee (EBC) Member; Young Member (YM) Committee Member; Resilient Structural Design (RSD) Subcommittee Non-Voting Member

Favorite Movie: Star Wars Episodes IV-VI

Proudest Accomplishment: In the summer of 2014, I worked as a graduate intern for the National Aeronautics and Space Administration (NASA). Within ten weeks, I developed and demonstrated a technique called the Operating Loads Estimation Algorithm (OLEA) which uses NASA's Fiber Optic Strain Sensing (FOSS) system to determine lateral loading on structures in real time. Originally developed for next generation aircraft, strain data is collected using "hair-like" fibers at quarter inch intervals and then used by an active control system to reduce dynamic loading demands. This technology has future applications for buildings and ships. See this video to learn more about the FOSS system: https://www.youtube.com/watch?v=_CdULw4-j_o

Childhood Ambition: Professional Athlete (Football, Basketball, or Soccer)

First Job: Mandalay Bay Pool Attendant

Why Join SEAOSC: The number one reason to join SEAOSC is the people. In short, SEAOSC is an organization full of great people doing great things. There is an abundance of knowledge sharing through committee work and education events from bright and experienced engineers. Additionally, through SEAOSC committees you can work together with like-minded individuals to affect change in the local community and industry.

Welcome New Members

Member

- ◇ Lauren Allan, Olson Arup
- ◇ Hamid Rezaei, ARUP
- ◇ Han Kim, KNA Structural Engineers
- ◇ Mehdi Taher, Walter P Moore

Young Associate

- ◇ Her Yang Lee, John A. Martin & Associates
- ◇ Konstantinos Kosmidis, Thornton Tomasetti
- ◇ Mitch Fanning, John A. Martin & Associates
- ◇ Rahil Shrivastava, John Labib +Associates

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. A listing will appear on 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 | Building Forward LA

Over the past year, SEAOSC has been participating along with the local chapters of AIA and USGBC among others in Building Forward LA. Building Forward LA is an initiative by the office of LA Mayor Eric Garcetti to identify opportunities within the rules and processes of the City of Los Angeles to enhance how we design, permit, and construct in Los Angeles and realize the vision for a resilient Los Angeles. The initiative has been specifically tasked with developing recommendations for consideration by the Mayor's Office and the City of Los Angeles. On November 8th during the Strengthening Our Cities Summit, the first public presentation of the draft recommendations from this initiative were shared.

With the sharing of the draft recommendations, Building Forward LA is now developing the detail behind each one of the ten recommendations that were shared. This includes the guiding principles, related case studies, and implementation strategies. During the Strengthening Our Cities Summit, it was also announced that an opportunity to discuss the draft recommendations and the supporting details was announced when it was shared that Building Forward LA will be having their next event in the evening on December 13th at the Los Angeles Cleantech Incubator.

Please join us at this event. It is important that we are part of this conversation. Additional details about the event will be posted at <https://www.lamayor.org/BuildingForwardLA> including a link to RSVP.



SEAOSC News | What's New in the Store

Want to help raise the visibility of our profession and support your Association? Order a SEAOSC Safer Cities shirt today! Help us work to increase awareness of the structural engineering profession, positively impact our industry, and strengthen our communities!

Order Here: <https://seaosc.org/Store>



SEAOSC Safer Cities Royal Blue Polo Shirt—\$35.00

Port Authority, 60% polyester and 40% cotton



SEAOSC SEAOSC Safer Cities Royal Blue T-Shirt—\$15.00

Port & Company, 65% polyester and 35% cotton

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.

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 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 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.

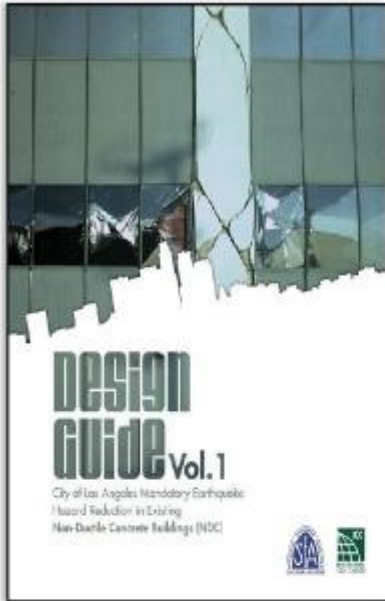
[Click Here](#) to learn more.

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

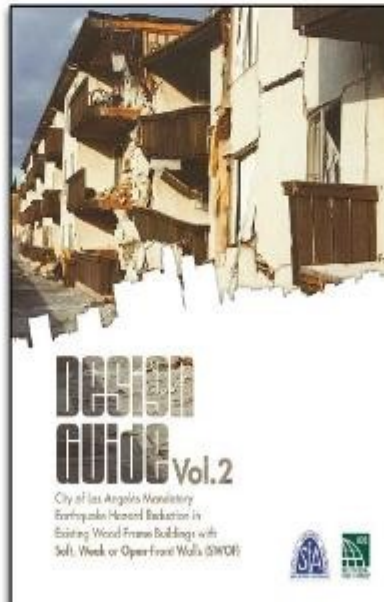
[Click Here to Purchase](#)

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. 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



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

Committee Updates | Younger Member Committee

In The Younger Member Committee hosted a kickoff meeting at Walter P Moore's downtown office to start this SEAOSC fiscal year. The event was attended by both returning and new younger members, including new student members from California State University Los Angeles. The kickoff meeting focused on introducing new younger members to SEAOSC with overviews of some of the YM events planned for this fiscal year.



SEAOSC YM also collaborated with AISC for Steel Day tours followed by a happy hour. YMs toured Paramount Roll & Forming, a steel bender and roller, and Plas-Tal, a steel fabricator and erector, before attending a Happy Hour hosted by AISC. Both tours gave YMs insight into how steel members are processed and handled before delivery to construction sites.



Industry News | SEAOC News



FIRST CALL FOR PAPERS 2018 SEAOC CONVENTION



The **Structural Engineers Association of California** issues this Call for Papers to be presented at the 2018 Annual Convention to be held at the JW Marriot Spa and Resort in Palm Desert, California, September 12th-15th, 2018

The main theme of "**Innovation & Resilience: Strengthening the Past, Building the Future**" has been tentatively chosen for the Technical Program. The emphasis is on resiliency and structural design of low to high-rise buildings and other structures for both new building design as well as retrofit of existing buildings for natural hazards. Subject area would include:

- Building codes (ASCE 7, ASCE 41, etc.)
- Cities & Politics (City Ordinances, Future codes/legislation, etc)
- Healthcare
- Business (Economic Impacts; resiliency comparisons of commonly used lateral systems)
- Legal
- Use of Innovation for better resilience (base isolation, dampers, BRB's, etc.)

The technical session format will be divided into two or three parallel tracks allowing for a larger number of papers to be presented at the convention

Papers presented at the SEAOC Convention will be published in the 2018 SEAOC PROCEEDINGS. All speakers presenting papers at the convention are expected to use commercially available computer presentation software.

Interested parties should submit brief abstracts (300 words or less) of their papers on or before March 1, 2018 to:

Diane Thompson
2018 SEAOC Convention Chair
13051 Bow Place
North Tustin, CA 92705

714-639-9838
sthompsonb@aol.com

The Technical Program Committee will review the abstracts; authors will be notified by April 1, 2018 regarding acceptance. Final Papers by selected authors shall be submitted by June 30, 2018. Detailed instructions for the complete manuscripts will be sent to prospective authors with the acceptance notification.

If you have a related topic you would like to see covered in this technical program, please feel free to submit a suggestion and speaker to the Technical Program Committee.



Industry News | NIST-ATC Contest

NIST-ATC BLIND PREDICTION CONTEST ON DEEP, WIDE-FLANGE STRUCTURAL STEEL BEAM-COLUMNS

The National Institute of Standards and Technology (NIST) and the Applied Technology Council (ATC) invite members of SEAOSC to participate in the prediction of the seismic response of three deep, wide-flange structural steel beam-columns.

Contestants are invited to submit a single entry of one of the following two categories:

- (1) Simple: Capturing the main response parameters.
- (2) Comprehensive: Capturing the full nonlinear cyclic response of the test specimens intending to predict overall and local response parameters.

The submittal deadline is January 12, 2018 and category winners will be awarded at the AISC Steel Conference (NASCC) taking place in Baltimore, Maryland on April 10-13, 2018. One representative of each category winner will be invited to make a presentation on the techniques used (model and analysis) and challenges arising in the prediction, which resulted in a winning team.

For more information, please visit the contest website: <https://atcouncil.org/atc-106-blind-contest>

SEAOSC Events



SEAOSC Annual Holiday Event

December 6, 2017—Starts at 6:00pm

Parkers' Lighthouse

435 Shoreline Village Drive, Long Beach, CA 90802

Join Us for our SEAOSC Annual Holiday Dinner!

Cocktails, Dinner & "50/50" Raffle

Raffle to benefit the upcoming Students Night scholarships

[Click Here to View Flyer](#)

January LA Dinner Meeting—SEAOSC/AIA Joint Event

Walt Disney Imagineering

January 10, 2018—Starts at 5:30pm

Doubletree by Hilton Los Angeles Downtown

120 S. Los Angeles Street, Los Angeles CA 90012

[Register Here](#)

The Disney's iconic theme parks and structures transport guests to many imaginative times and places. Providing an inside look at the Disney theme park design process, this presentation will share how these unique structures come to be, and highlight lessons learned that can be applied by creative design teams to enhance the aesthetic of any project. While operating in different locations worldwide, the constants of safety, Disney quality, and guest experience must be assured at the highest level. Using examples from the various parks - from the original 1950's Disneyland in Anaheim, California to the most recent park completed in Shanghai, China - Mr. Estes will discuss how Disney's unique design and construction practices address local infrastructure codes and the incredible diversity of site conditions. And with the variety of facilities contained within a single Disney theme park, from retail and restaurants to rides and theaters, the overlap between static buildings and moving ride-based systems will certainly make this a dynamic conversation. While your everyday projects may not entail rushing water, high speed rides, or floating through time, the discussion of Disney's design processes and collaboration efforts among the varied project consultants will provide lessons that each of us can use to make every project a success.

[Click Here to View Flyer](#)

SEAOSC Events



Save the Date—SEAOSC Winter Education Program

Friday, February 2, 2018—Starts at 8:00am
The Grand Event Center
4101 East Willow Street, Long Beach, CA 90815

[Register Here](#)

Join Us For An Education Program on:
Steel Design, Code Updates and More



You and a guest are invited to
SEAOSC's Annual Holiday Event

Wednesday, December 6, 2017

at Parkers' Lighthouse

435 Shoreline Village Drive, Long Beach, CA 90802

Join Us for our SEAOSC Annual Holiday Dinner!

Cocktails, Dinner & "50/50" Raffle

Raffle to benefit the upcoming Students Night scholarships

Social Hour: 6-7pm | Dinner: 7pm | Hosted Bar until 7pm

Attire: Holiday Semi-Formal

\$85 per General Member & Guest | \$35 per Young Professional & Guest*

\$105 per General Non-Member & Guest

Parking Included

* Associate, Young Associate & Student Members of SEAOSC

Special Thanks to our Exclusive Sponsors





LA DINNER MEETING JANUARY 2018

Agenda:

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

6:30pm-7:00pm
Dinner

7:00pm
Presentation

Cost:

Enroll on or before 12/29/17 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

[REGISTER NOW!](#)

Wednesday, January 10, 2018

Networking, Dinner & Presentation

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

[Register Here](#)

PRESENTATION: SEAOSC/AIA JOINT EVENT – WALT DISNEY IMAGINEERING



Disney's iconic theme parks and structures transport guests to many imaginative times and places. Providing an inside look at the Disney theme park design process, this presentation will share how these unique structures come to be, and highlight lessons learned that can be applied by creative design teams to enhance the aesthetic of any project. While operating in different locations worldwide, the constants of safety, Disney quality, and guest experience must be assured at the highest level. Using examples from the various parks -

from the original 1950's Disneyland in Anaheim, California to the most recent park completed in Shanghai, China - Mr. Estes will discuss how Disney's unique design and construction practices address local infrastructure codes and the incredible diversity of site conditions. And with the variety of facilities contained within a single Disney theme park, from retail and restaurants to rides and theaters, the overlap between static buildings and moving ride-based systems will certainly make this a dynamic conversation. While your everyday projects may not entail rushing water, high speed rides, or floating through time, the discussion of Disney's design processes and collaboration efforts among the varied project consultants will provide lessons that each of us can use to make every project a success.

PRESENTER:

Kent R. Estes, Principal Structural Engineer
Walt Disney Imagineering

Kent Estes has been in the practice of structural engineering for more than 40 years. For over 30 of those years, he worked on Disney theme parks on three continents in the architectural and engineering arm of The Walt Disney Company, Walt Disney Imagineering. He has recently moved back from Shanghai, China seeing to the design, construction and opening of Shanghai Disneyland. His role there was as the Design Manager for the Main Entry area where he managed a team of designers, architects and engineers and he was also the Lead Structural Engineer for the park, hiring and overseeing a team of local Chinese structural engineers. Kent has worked on a total of eight theme parks, from the beginning of design through to construction, in addition to many individual attractions. He is a licensed structural and civil engineer in California

and a licensed professional engineer in Florida. Kent also has a Ph.D. from the University of Southern California and has authored several technical papers.



SAVE-THE-DATE

WINTER EDUCATION PROGRAM

Join Us For An Education Program on
Steel Design – Code Updates and More

Friday, February 2, 2018

Registration: 8:00am | Session: 8:30am – 5:00pm

Details Coming Soon

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 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



County of Sonoma—Engineering Technician I & II - Permit Sonoma—\$3,880 - \$5,489/Mo.

Permit Sonoma Engineering Technicians perform a wide variety of technical, sub-professional engineering work related to land use and construction development.

What Makes Sonoma County a Great Choice:

In addition to generous starting pay, expansive opportunities for growth and development, being part of a challenging and rewarding work environment that offers continuous training and education.

The Ideal candidates will possess: 1. Training and experience issuing permits, and inspecting a projects compliance with plans and specifications, 2. Experience accurately and effectively creating, maintaining, and reviewing construction records and reports, 3. Good analytical and problem solving skills, 4. The ability to work independently and prioritize daily activities 5. Excellent customer service skills and ability to work cooperatively with applicants, industry, staff, and other agencies

For more information, minimum qualifications, & to apply, please visit: www.yourpath2sonomacounty.org.



Buehler & Buehler—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. Headquartered in Sacramento, B&B has regional offices in Los Angeles, Phoenix, San Francisco and Silicon Valley.

We are looking for both Senior and Mid-Level Structural Engineers for our LA 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 available in all offices. Please submit cover letter, resume and references to:

resumes@bbse.com.



Innovative—Mid Level Structural Design Engineer

Job Description: The open position is for a mid level design structural engineer with a minimum of 3 years of California design experience. The position is full time (40 hours/week).

Benefits: Competitive Salary; Vacation/Sick Time; Paid Holidays; 401k + Company Match, Annual Bonus

Necessary Qualifications: Bachelor Science Architectural, Civil or Structural Engineering; California Engineer in Training (EIT) Certified preferred; Excellent Communication Skills; Professional Engineer License (PE) not required; Design experience with Wood/Steel/Concrete & Masonry preferred in high seismic zones. Additional Preferred Qualifications: Experience with Autocad required; Experience with Revit preferred; Experience with

RISA, Enecalc, MS Office. Company Description: ISE is a professional service firm providing structural engineering services for residential, commercial, educational, medical & municipal projects. ISE prides itself on providing an innovative & quality structural engineering service.

Please forward qualified resumes to: Danielle@ISEEngineers.com

Classified Ads



KNA Structural Engineers—Orange County

KNA Structural Engineers has immediate openings for motivated engineers at all experience levels. KNA specializes in structural engineering of educational, civic and healthcare facilities. We provide our staff with a dynamic and innovative office environment. We offer long-term growth and success for our employees thru competitive compensation, benefits package, and a balanced work lifestyle. Flex hours are available. Learn more about KNA at knastructural.com.

REQUIRED QUALIFICATIONS: Bachelor of Science in Architectural or Civil Engineering (Structural) from an accredited university, California seismic engineering background and proficiency with the California Building Code and other related codes. Experienced candidates should also have PE or SE license and working proficiency with Revit. OSHPD or DSA project experience is a plus. Entry-level candidates are required to have FE/EIT Certification. Qualified candidates are invited to submit their resume along with a cover letter via our careers page at knastructural.com. Please verify that you meet the required qualifications prior to submitting. No phone calls please.



R.M. Byrd and Associates, Inc.—Senior and Mid-Level Structural Engineers

R.M. Byrd and Associates, Inc., a structural engineering firm located in Ontario CA, is currently seeking qualified senior and mid-level structural engineers. R.M. Byrd and Associates serves clients in the entertainment, governmental, institutional, civic, industrial, and commercial industries and is currently expanding to fulfill the growing demands of the company. Applicants should possess a PE or SE license, or be capable of obtaining a license within one year. Broad design skills with experience in wood, concrete, masonry, and steel, and DSA experience is desired, along with excellent communication skills and the ability to manage multiple projects. Offering a competitive salary, 401K, Medical, Dental, Vacation/Sick Leave. Please send applications to aharvier@rmbyrd.com, or apply directly through our website at www.rmbyrd.com.



National Engineering & Consulting, Inc.—Structural Engineering Management Position—Orange County

Architectural and Engineering firm in Lake Forest is seeking a full time Project Engineer with a current professional engineering license and 7+ years of experience for a full time position in our structural department. Fundamental duties include the design and analysis of structural elements and systems for a variety of building types, collaborating with staff professionals of varying disciplines, and delegation of duties to junior staff members within the structural department. Experience with wood, concrete, and steel construction is preferred as well as experience working with clients and an active structural engineering license.

Visit: <http://www.nationaleng.com>

Classified Ads



Holmes Structures—Structural Engineers

Holmes Structures is a California structural engineering firm, with offices in Los Angeles and San Francisco. We are part of the New Zealand based Holmes Group, with offices around the Pacific Rim. Holmes takes an imaginative and resourceful approach to projects, challenging established convention, and using cutting-edge technologies. If you are a person who pushes the boundaries – then we want you as part of our energetic and collaborative teams. We are seeking structural engineers with 5+ years design experience for our San Francisco and Los Angeles offices. Job Requirements:

3+ years working in the field of structural engineering; B.S. and/or M.S. in Civil / Structural Engineering; Licensed Professional Engineer (PE) in California; Seismic design experience or education

Computer software skills: Advanced MS Excel, Intermediate ETABS, SAP, Risa (or equivalent); Sound technical skills: understands structural engineering design principles.

Send your resume with cover letter to hr@holmesstructures.com



The Judicial Council of California—Engineering Specialist (Construction Inspector)

Job Opening #4394:

The Judicial Council of California is currently recruiting for an Engineering Specialist (Construction Inspector). This position, located in San Francisco, will perform technical construction inspections of architectural, civil, structural, mechanical, electrical and plumbing elements during construction or modification of agency buildings and facilities; monitor other inspectors and material testing laboratories performing work on the agency’s facilities; assist to establish processes to ensure the permitting, commissioning, plan review, and inspection of construction projects; contribute to the implementation of plan review software Bluebeam and project permitting software.

For information and to complete an online application, please visit our website at <http://www.courts.ca.gov/careers>.

Your Ad Here

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.^{1,2}
 blyons@risha.com
 818-729-9777

President-Elect

Mehran Pourzanjani, S.E.^{1,2}
 mehran@saifulbouquet.com
 626-304-2616

Treasurer

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

Immediate Past President

Jeff Ellis, S.E.^{1,2}
 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 Ochoa
 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
Membership	Kerry Regan	323-536-2363	kregan@bbse.com
	Christian Cody	323-907-2523	christian.cody@hilti.com
	Kevin O'Connell	213-271-1934	kdoconnell@sgh.com
Subcmte: Golf Tourn.	Michelle Kam-Biron	805-498-4864	mkambiron@awc.org
Subcmte: Women in SE			
Younger Members	Noya Wang	213-271-1939	nanwang@sgh.com
	Maria Mohammed	310-323-9924	mmohammed@structuralfocus.com
Image & Public Relations	Samuel Mengelkoch	310-323-9924	smengelkoch@structuralfocus.com
Education	Matthew Michnewich	213-785-3195	mmichnewich@johnmartin.com
Professional Practices	Daniel Traub	310-254-1900	dtraub@walterpmoore.com
Building Codes & Stds.	Michael Ciortea	213-897-0314	michael.ciortea@dgs.ca.gov
	Colin Kumabe	562-221-9418	ckumabe@gmail.com
Seismology	Josh Gebelein	213-596-4540	jgebelein@bjsce.com
	Subcmte: Steel Bldgs	Ashwani Dhalwala	310-828-1422
Existing Buildings	Daniel Zepeda	213-596-5000	dzepeda@degenkolb.com
Disaster Emergency Svcs.	Doug Litchfield	909-392-5353	dlitchfield@mwrdh2o.com
Quality Assurance	James McDonald	213-271-1912	jamcdonald@sgh.com
Sustainable Design	Vivian Peña	213-271-1966	vdpena@sgh.com
Summit	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.