



SEAOSC NEWS

LA DINNER MEETING JANUARY 2017

Wednesday, January 11, 2017

Networking, Dinner & Panel Presentation

Luminarias Restaurant

3500 Ramona Blvd. Monterey Park CA 91754

[Register Here](#)

PRESENTATION:

CAL POLY POMONA, STUDENT RECREATION CENTER, CALIFORNIA

Located on the campus of California State Polytechnic University in Pomona, California, the Student Recreation Center is the hub of student activity on the primarily commuter campus. The complex includes an aquatic center and a three-story, 95,000-square-foot recreation center that incorporates five fitness and multipurpose studios, three basketball/volleyball courts, a multi-activity court, a one-quarter-mile running track, a 51-foot rock climbing wall, two racquetball courts, administration offices, locker rooms and shower facilities. The dramatic three-story steel structure seems to defy gravity even more than the rock climbers inside, featuring several substantial cantilevered floor areas, the largest of which extends nearly 60 feet. The integrated LPA, Inc. design team was further challenged by the one-quarter-mile running track surrounding the perimeter of the cantilevered floor. Extensive floor vibration analyses were performed to ensure the safety and comfort of both the students exercising inside the recreation center and the synthetic pavement-pounding joggers enjoying the panoramic view of the campus and surrounding areas from the elevated running track.

The LPA integrated design team met the challenges of the site by marrying the performance of the steel framing to its function, providing future generations of Cal Poly students with place to work, play and socialize for years to come.

PRESENTER:



Daniel Wang, SE

Associate, Design Director of Structural Engineering
LPA, Inc.

With over 28 years of design experience, Daniel Wang utilizes his extensive industry experience and a design philosophy that integrates architecture, engineering and construction to create cohesive solutions to complex challenges. His experience includes both new construction and technically challenging seismic renovation projects. Daniel provides comprehensive technical design, delivering innovative structural solutions for a wide variety of project types including educational, institutional, commercial, industrial, and healthcare buildings.

SEAOSC NDC and SWOF Seismic Retrofit Design Guides on Sale Now!

[Click Here to Purchase](#)

Have you Renewed Your Membership?

[Click Here to Renew Now!](#)

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Find an Engineer!

Don't have your firm miss out on the public's increasing inquiries for engineering services and renew or register to use SEAOSC's online Engineer Finder!

[Check it out Here!](#)



PRESIDENT'S MESSAGE



January 2017

Jeff Ellis, SE

Happy New Year! Some of you may be reading this message before and some after the holidays and so I hope that you have or had a very enjoyable and memorable holiday season with your family and friends. Some consider the beginning of the New Year a good time for thoughtful examination and if new or revised goals may be beneficial to their overall well-being, purpose, and impact. Some may adjust or add goals to improve various aspects of their life such as their health, relationships, and career. Hopefully one consideration is also how we can have an even greater impact on our profession and communities by working together through SEAOSC combining our different talents, experience, and resources. These efforts include advocating for our profession and for stronger more resilient communities, continuing to have thoughtful and creative input on the building codes and standards, and providing forums for our members to discuss new design methodologies and best practices as well as to network and collaborate.

While this is the start of another new calendar year, our Association is half way through our fiscal year which began in July. It's been a good and productive year already. We hired a new association management company Co-Pilots, who are doing a great job, and our golf tournament was one of the more successful ones we've had in years. We launched our monthly dinner meetings with the Fall Welcome Event, where committees engaged the membership and the speaker presented on a potential building code evolution to reduce recovery time after an earthquake. We collaborated with CALBO on a community resilience webinar and our November dinner meeting, with an engaging L.A. retrofit ordinance panel discussion, was sold out. This year's [Strengthening Our Cities Summit](#) was a great success with important associated outreach initiatives such as the pioneering [Safer Cities Survey](#) and the [Safer Cities Advisory Program](#). We wrapped up our 2016 events with the always fun Holiday Event. We held it at Parker's Lighthouse overlooking the Queen Mary in Long Beach and it was a very enjoyable time of camaraderie and holiday spirit.

The second half of our fiscal year is looking to be

excellent as well. We're starting off in [January](#) with a presentation on the SEAOSC Excellence in Structural Engineering award winning Cal Poly Pomona Student Recreation Center project by LPA. Our [Winter Education Program](#) will be held on the last two Fridays in January and provide attendees with important and insightful information on the newly effective 2016 California Building Code as well as on the City of Los Angeles mandatory earthquake hazard reduction ordinance for existing non-ductile concrete buildings and for existing soft, weak and open-front buildings. If you've not yet obtained a copy of these informative design guides, you may order them on the SEAOSC website [store](#). The keynote speaker for our February 1st [Job Fair and Student Scholarship Awards Night](#) will be none other than the talented and passionate Ashraf Habibullah who will no doubt give a lively presentation on "Structural Engineering: The Profession, The Grandeur, and the Glory."

The Job Fair and Student Scholarship Awards Night is a great event with great energy. It's an opportunity to engage with and support the younger generation of talented, hard-working and passionate structural engineers and to recognize some of the top achievers. I hope that you will contribute to the [SEAOSC Foundation Student Scholarships](#) through an individual or company donation to the SEAOSC Foundation, a 501(c)3 charitable organization, or by become an event sponsor. These students represent the future of our profession and our support is important.

Our committees continue to engage in meaningful work to further our Association's [vision and mission](#) with efforts in areas such as advocacy, education, design, professional practice, and codes and standards. If you've not joined a committee as of yet, look at the committee choices and their charges, which are shown on our SEAOSC website [committee page](#). I strongly encourage you to participate with your fellow SEAOSC members to lend your talent and voice and make a difference!

I hope you're a SEAOSC [member](#) and engaging as much as you can, such as attending the monthly dinner meetings, working on a committee, and joining in membership activities such as the Holiday and Membership Appreciation Events. Photos of these various events are shown in our [Events Photo Gallery](#) on our website. We can have an amplified impact by coming together and combining our talents, experience and passion and so it's important to support and participate in SEAOSC. I look forward to 2017 and the new opportunities it will bring and to working with you all for the betterment of our profession, industry and communities!

Happy New Year!



Jeff Ellis SE – SEAOSC President

SEAOSC Holiday Event

[Click Here](#) to view the Event Gallery



MEMBER SPOTLIGHT



Sandra Biddulph, P.E., S.E., LEED® AP

Principal, DCI Engineers

Member Since: 2014 (SEAOC member since 1998)

sbiddulph@dci-engineers.com

Current SEAOSC Role: Director, Image & Public Relations Committee Liaison

Favorite Movie: Raiders of the Lost Ark

Proudest Accomplishment: Passing the SE exam

Childhood Ambition: To own a business

First Job: Math Tutor

Why Join SEAOSC: Relationships, networking, and the opportunity to help shape our profession



Samuel Mengelkoch, S.E.

Associate, Structural Focus

Member Since: 2004

smengelkoch@structuralfocus.com

Current SEAOSC Role: Chair of Image & Public Relations Committee

Favorite Movie: There Will Be Blood

Proudest Accomplishment: Receiving Master of Engineering degree at Cal

Childhood Ambition: To be an Architect

First Job: Landscaping

Why Join SEAOSC: To meet outstanding people, to engage more deeply with one's career, and to give back to the profession.

WELCOME NEW MEMBERS!

Member

Javed Azam, GEI Consultants, Inc., Glendale

Jose Hernandez, LACSD, Whittier

Pedram Zohrevand, CES4, Glendale

Saeed Fathali, Structural Technologies, Anaheim

Steven McCabe, National Institute of Standards and Technology (NIST), Gaithersburg

Yue Chen, Walter P Moore, Los Angeles

Member SE

Alejandro Pena, Nabih Youssef Associates, Los Angeles

Young Associate

Andres Medina, Critical Structures, Lomita

Michael Daciolas, Structural Focus, Gardena

Ricardo Roldan Abellan, Englekirk, Los Angeles

Shubhada Gadkar, Twining, Inc., Long Beach

FIND AN ENGINEER

SEAOSC provides a 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.

We have received an increased number of the public requesting engineer referrals and we encourage our members to participate in this valuable service! The Member Services Search is a benefit opportunity of SEAOSC membership. Please contact the [SEAOSC office](#) for further information if you are interested in participating in the Member Services Search.

The public information on the [Find An Engineer](#) section on our website is listed below:

How do you find a Structural Engineer? Read our brochure here: [WHAT YOU NEED TO KNOW ABOUT STRUCTURAL ENGINEERING](#)

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.

Compile a list of prospects.

- Search the 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, SEAOC, ASCE.

Confirm their State Registration.

- Visit the [State of California Board for Professional Engineers and Land Surveyors \(BPELSG\)](#) website and use the [Online License Look-up Database](#) 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](#) 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.

SUMMIT PHOTOS ARE NOW POSTED
[Click Here To View](#)



SEAOSC NDC AND SWOF SEISMIC RETROFIT DESIGN GUIDES ON SALE NOW!

[Click Here to Purchase](#)



Design Guide Vol.1

City of Los Angeles Mandatory Earthquake Hazard Reduction in Existing Non-Ductile Concrete Buildings (NDC)



Design Guide Vol.2

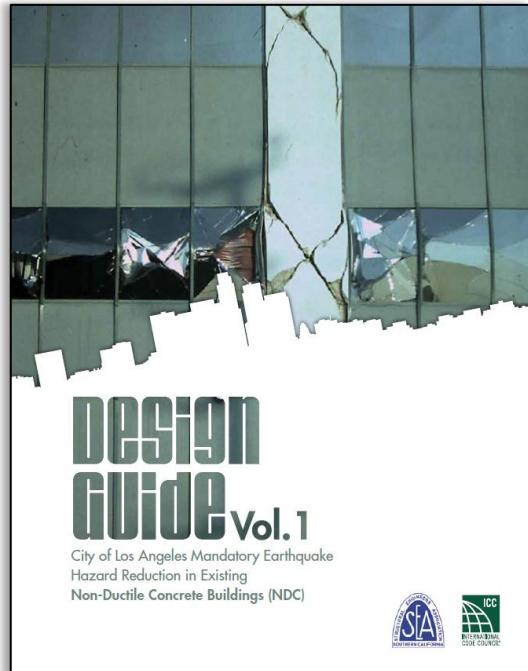
City of Los Angeles Mandatory Earthquake Hazard Reduction in Existing Wood-Frame Buildings with Soft, Weak or Open-Front Walls (SWOF)





SEAOSC NDC and SWOF Seismic Retrofit Design Guides

The SEAOSC Design Guides for the City of Los Angeles Mandatory Earthquake Hazard Reduction in Existing Non-Ductile Concrete Buildings (NDC) and in Existing Wood-Frame Buildings with Soft, Weak or Open-Front Walls (SWOF) are published by ICC and are now available! They are must-have references for anyone performing retrofit design in accordance with the City of L.A. seismic retrofit ordinance and will provide excellent insight and guidance for those performing retrofit design or developing policy or ordinances for these types of vulnerable buildings. The Design Guides are available for sale on the [SEAOSC website](#).



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.

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

Pricing:

Non-Members:

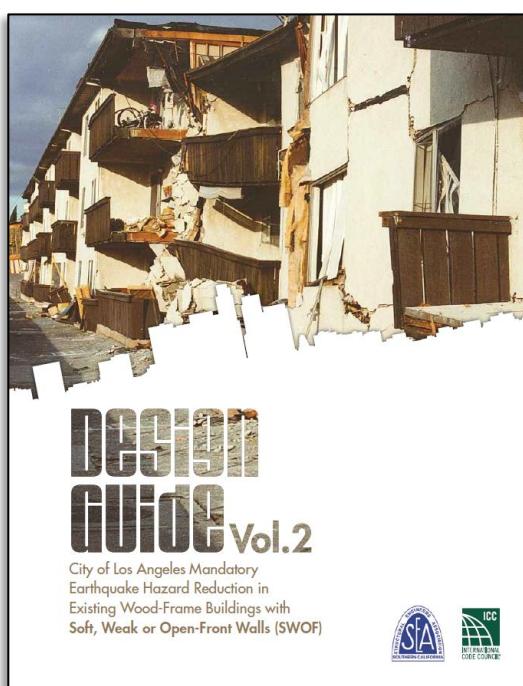
Printed: \$45

Electronic: \$42

Members:

Printed: \$38

Electronic: \$35



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





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

SAFER CITIES ADVISORY PROGRAM



**Developing a Seismic Safety Ordinance?
Or a Back-to-Business Program?
We have something for you!**

A message from the SEAOSC President Jeff Ellis, S.E.

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.

Jeff

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

COMMITTEE UPDATES

IMAGE & PUBLIC RELATIONS COMMITTEE

Over the past year, the SEAOSC Image & Public Relations Committee continues to benefit from the enthusiasm and dedication of its twelve active members. In 2016, several new members joined the more seasoned membership in helping fulfill the core mission of improving the image of Structural Engineers to the general public in Southern California, as well as promoting the Structural Engineering profession within the industry.

The Committee has participated in several key events, helping to raise the profile of SEAOSC and structural engineers among important stakeholders. After hosting informational tables at the Red Cross Disaster Preparedness Academy, the Los Angeles Retrofit Fair, and the ICC Building Safety & Design Expo, the committee looks forward to continuing those relationships while expanding to other events hosted by industry organizations. In addition, the committee is laying the groundwork for partnering with organizations such as AIA for joint technical and social events. Stay tuned!

After successfully issuing press releases announcing the passage of the Los Angeles retrofit ordinances in the fall of 2015, as well as the winners of the SEAOSC Excellence in Structural Engineering Awards, the Committee continues to refine the process and strategy for issuing press releases. The team is presently researching web-based services that allow targeting of audiences and regions, as well as developing strategies in concert with the Executive Director for syndicating SEAOSC press releases across our multiple social media platforms. Ultimately, the committee seeks to develop a standard protocol for how to issue SEAOSC press releases, what types of press releases get released to whom, and providing advisory language for individual releases.

As a new committee, Image & Public Relations continues to lay the foundation for future committee members to improve awareness and promote the role of structural engineers in the industry and community, and to promote SEAOSC and bring value to the SEAOSC membership at large. If you are interested in joining the Image & Public Relations committee, please contact committee Chair Sam Mengelkoch at smengelkoch@structuralfocus.com.

SEAOSC maintains an extensive committee structure of volunteer members developing and evaluating various structural engineering design philosophies and standards, as well as assisting building code officials in the development of building codes at the local, state and national levels.

For more information on SEAOSC Committees, visit the website [here](#).



COMMITTEE UPDATES

WOMEN IN STRUCTURAL ENGINEERING SUB-COMMITTEE

SEAOSC Women in Structural Engineering sub-Committee hosted a very successful Presentation Skills workshop on December 2nd in Los Angeles. Over 40 people attended the workshop that was led by April Kelcy from the Earthquake Country Alliance Speakers Bureau and include various interactive exercises to involve everyone who attended. The feedback that we received was very positive with many of the attendees interested in extending the short workshop to a longer one. This event was organized by Vickie Chiou and hosted by her firm Walter P. Moore by not only providing the venue but also generously covered parking and lunch. We could not have pulled this off without her effort and her firm's support. Thank you! We hope to see more of you at our next event!



SEAOSC EVENTS

LA Dinner Meeting January 2017

CAL POLY POMONA, STUDENT
RECREATION CENTER, CALIFORNIA

Wednesday, January 11, 2017
5:30pm

[Click Here to Register](#)

Winter Education Program

**LA ORDINANCE AND THE 2016 CBC
CODE AND STANDARD UPDATE**

Friday January 20th & 27th, 2017
8:30am-5:00pm

[Click Here to Register](#)

The Annual Job Fair & Student Scholarships Awards Night

Wednesday, February 1, 2017
3:30pm

[Click Here to Register](#)

Webinar

SOFT STORY DESIGN GUIDE

Wednesday, February 15, 2017
12:00pm-1:00pm

[Click Here to Register](#)



LA DINNER MEETING

JANUARY 2017

Agenda:

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

6:30pm-7:00pm
Dinner

7:00pm
Panel Discussion

Cost:

Enroll on or before 1/4/17 for
Early-Bird Discount

Early Bird / Regular

Individual Tickets

Members: \$45 EB / \$55 Reg
Non-Member: \$55 EB / \$65 Reg
Students: \$25 EB / \$25 Reg

Reserve a Table of 8:

Member: \$385
Non-Members: \$455

Exhibit/Sponsorship Opportunity

Single Event: \$425
Package of 4 Events: \$1500
(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://seaosc.org)

For help with registration,
contact the SEAOSC Office at
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help!

Wednesday, January 11, 2017

Networking, Dinner & Panel Presentation

Luminarias Restaurant

3500 Ramona Blvd. Monterey Park CA 91754

[**Register Here**](#)

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LPA, Inc.

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WINTER EDUCATION PROGRAM

Join Us For An Education Program on
LA Ordinance and the 2016 CBC Code and Standard Update

**Friday, January 20, 2017, 8:30am – 5:00pm &
Friday, January 27, 2017, 8:30am-5:00pm**

Registration Opens at 7:30am. Breakfast and Lunch is provided

Attendees will receive Design Guide Discount: \$8 off NDC & \$5 SWOF

*The Grand Event Center
4101 East Willow Street, Long Beach, CA 90815*

Attend One Day: \$215 (Member) or \$430 (Non-Member) | **Attend Both Days:** \$370 (Member) or \$740 (Non-Member)

Sponsorships: \$425: 2-day Tabletop Exhibit Display

Students with valid ID receive 50% discount off Member price

Click Here to [Register](#) or Visit website at www.seasc.org

Session #1 – Friday, January 20, 2017, 8:30am-5:00pm (6 PDH Credits)

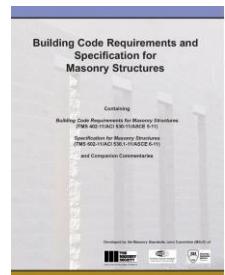
Topics:

- **Introduction to 2015 IBC/2016 CBC Code Updates** – by Alan Carr, S.E., Senior Staff Engineer, ICC
- **ASCE 41-13 vs ASCE 31-03 and 41-06** – by Daniel Zepeda, S.E., Principal, Degenkolb Engineers
- **A Preview of Major Changes in ASCE 7-16** – by S.K. Ghosh, Ph.D, President, S.K. Ghosh Associates
- **LA Ordinance Discussion: Soft Story** – by Russell McLellan, M.S., Staff Engineer, Simpson Gumpertz & Heger

Session #2 – Friday January 27, 2017 – 8:30am-5:00pm (7 PDH Credits)

Topics:

- **Wood Design Code Updates** – by Michelle Kam-Biron, S.E., SECB, Senior Director of Education, American Wood Council
- **The 2015 IBC/2016 CBC Masonry Design Code Updates** – by James Mwangi, Ph.D, S.E., Professor California Polytechnic State University San Luis Obispo
- **DSA/OSHPD Code Updates** – by M.R. Karim, S.E., SHFR, OSHPD & Ron LaPlante, S.E., Supervising Structural Engineer, DSA
- **LA Ordinance Discussion: Non-Ductile Concrete** – by Josh Gebelein, M.S., S.E., Associate Principal, Brandow & Johnston Structural & Civil Engineers





THE ANNUAL JOB FAIR & STUDENT SCHOLARSHIPS AWARDS NIGHT

Wednesday, February 1, 2017

Job Fair, Networking, Dinner, Keynote & Awards

Luminarias Restaurant

3500 Ramona Blvd. Monterey Park CA 91754

[Register Here](#)

Agenda:

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

6:45pm
Dinner

7:30pm
Keynote Speaker

8:15pm-8:45pm
Awards

Cost:

**Register on or before 1/25/17
for Early-Bird Discount**

Early Bird / Regular

Individual Tickets

Members: \$45 EB / \$55 Reg
Non-Member: \$55 EB / \$65 Reg
Students: Free
(Pre-Registration Required)

Reserve a Table of 8:

Member: \$385
Non-Members: \$455

Student Scholarship

Sponsorships:

Summa Cum Laude: \$1,000
Magna Cum Laude: \$500
Cum Laude: \$150

[Click Here](#) for details on
Sponsorships

For more Information,
visit seaosc.org

PRESSENTATION:

STRUCTURAL ENGINEERING: THE PROFESSION, THE GRANDEUR, AND THE GLORY

In this presentation, Ashraf shares his passion and enthusiasm for structural engineering, a profession whose grandeur and glory are worth celebrating! Indeed, it is because of the magic of structural engineering that ancient monuments are still standing and why breathtaking new structures—such as the Burj Khalifa in the UAE and the Bird's Nest Stadium in Beijing—can exist today.

Ashraf brings into focus the invaluable socio-economic contributions of this noble profession by recognizing its unmatched impact on humanity. He will highlight the ways in which the intellect and talent of structural engineers have literally saved millions of lives, protected property, preserved the past and built the future.

Ashraf also presents a compelling case for why Structural Engineering students should be exposed to the arts, public speaking, human psychology, and marketing and public relations so that they enter the professional world with a well-armed ability to communicate, collaborate and inspire.

You will leave with a renewed appreciation for the ways in which structural engineers make the world a better, safer, and more beautiful place to live for all of us today, and for countless generations to come.

KEYNOTE SPEAKER:



Ashraf Habibullah, SE

President and CEO

Computers & Structures, Inc.

Ashraf Habibullah is a registered Civil and Structural Engineer who graduated from the University of California at Berkeley in 1970. He founded CSI in 1975 and has led the development of CSI's products, including SAP2000 and ETABS, for the last four decades. Today, CSI is recognized globally as the pioneer in the development of software for structural and earthquake engineering. CSI's software is used by thousands of engineering firms in over 160 countries. Ashraf also has a keen passion for the arts. He is a co-founder of the Diablo Ballet and the founder of the Engineering Alliance for the Arts, an organization that involves school children with technology, focusing on the artistic aspects of bridge engineering.



WEBINAR: SOFT STORY DESIGN GUIDE

Date:
Wednesday, February 15, 2016

Time:
12:00pm – 1:00pm

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

For more Information,
visit seaosc.org

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

SEAOSC Office: 562-908-6131
seaosc@seaosc.org

Wednesday, February 15, 2016

12:00pm-1:00pm

[Register Here](#)

WEBINAR: SOFT STORY DESIGN GUIDE

The objective of the design example is to demonstrate the basic steps to retrofit an existing wood frame building subject to the Los Angeles Ordinance 183983 and 184081, which amends Division 93 titled: "Mandatory Earthquake Hazard Reduction in Existing Wood-Frame Buildings with Soft, Weak, or Open-Front Walls", referred to as "the Ordinance" in this document. It is important to point out that the example was created based on the latest draft of the Ordinance 183983 dated October 13, 2015, effective on November 22, 2015 and amended with Ordinance 184081 on January 28, 2016. Given that there may be amendments or slight alterations from this version, certain design requirements may differ in subsequent versions of the Ordinance.

The example demonstrates a prescriptive Ordinance-based approach to retrofit a building with an open-front wall line. Also discussed within the design guide are how capacity based design principles can be applied to wall line retrofits. Following the example of the prescriptive approach, a demonstration is given showing how FEMA P-discussion of key aspects of the Ordinance including the timeline, scope, and responsibilities of the design professional. Also provided are practical considerations that give design professionals insight into how to avoid/overcome design and constructability challenges.

PRESENTERS

David Funk, S.E.

John Labib + Associates Structural Engineers



David Funk, S.E., a graduate from University of Southern California, joined John Labib + Associates Structural Engineers as a partner and principal in 2011. David brings technical excellence, top notch communication and management skills compounding JLA's thriving success. His passion for innovative problem solving and positively infectious personality are keys to his rapid success in the industry. David has completed the seismic retrofits of many soft-story and non-ductile concrete building throughout Los Angeles. His extensive experience in Type III and V construction as well as non-ductile concrete building retrofit and adaptive reuse conversion led to his involvement with SEAOSC's the Existing Building Committee where he is a key contributing member.



Andy Alexander, P.E.

John Labib + Associates Structural Engineers

Andy Alexander, P.E., an MS graduate from California Polytechnic State University in San Luis Obispo, joined John Labib + Associates Structural Engineers as a design engineer in 2012. During this time Andy has designed dozens of Type I to Type V projects and gained extensive experience and expertise with light framed structures including high-end residential, multi-family, and commercial buildings. As a manager he is currently in charge of several ground up construction and retrofit projects including those with soft-story deficiencies. Andy's alignment of skills and passion in this area has led to his involvement with SEAOSC's Existing Building Committee where he has contributed to the team's latest publication relating to the City of Los Angeles' Soft Story Retrofit Ordinance.

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SEAOSC 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](#) for more information.

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.

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- Winter Education Programs (January 2017)
- Spring Education Programs (May 2017)
- SEAOSC Educational events – 4 opportunities available annually
- SEAOSC Summit (November 2016)

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 \(February\)](#)
- Winder Education Programs (January)
- Spring Education Programs (April/May)
- Annual Excellence in Engineering/Past President's Award (June)
- [Annual Golf Tournament \(August 2016\)](#)
- [SEAOSC Summit \(November 2016\)](#)
- [Monthly Dinner Meetings](#)

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Please visit the City's website at www.citymb.info for more information on how to apply for this position.

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PLEASE DO NOT RESPOND IF YOU DO NOT MEET THE REQUIRED MINIMUM QUALIFICATIONS. Qualified candidates are invited to submit their resume along with a cover letter to careers@KNAconsulting.com. For more information, please visit us at www.KNAconsulting.com. NO PHONE CALLS PLEASE.

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Nemo Constructors experience with seismic renovation projects provides a perfect background for the renovations and refurbishments of commercial, industrial and delicate historic buildings. With over 30 years of experience in the greater Los Angeles and surrounding areas, President Steven L. Carter has provided the leadership and experience that has guided multiple projects. We approach each project with cooperative mindset, working with clients, architects and sub-contractors towards a successful completion of each project.

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Structural Engineers Association OF SOUTHERN CALIFORNIA

July 1, 2016 – June 30, 2017

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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.

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Please visit

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to view the annual committee charges and tasks.