



Structural Engineers Association  
OF SOUTHERN CALIFORNIA

# SEAOSC NEWS

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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!](#)**



## SEAOSC & AMERICAN CONCRETE INSTITUTE JOINT DINNER MEETING - MAY 2017



**Wednesday, May 3, 2017**

*Networking, Dinner & Presentation*

*Luminarias Restaurant*

*3500 Ramona Blvd. Monterey Park CA 91754*

**[Register Here](#)**

### PRESENTATION:

#### CONSTRUCTION OF THE WORLD'S TALLEST BUILDING: KINGDOM TOWER IN JEDDAH SAUDI ARABIA

Incoming President Khaled Awad will take a look at the construction of the world's tallest building, the 1 km tall Kingdom Tower in Jeddah Saudi Arabia. He will discuss the Quality Assurance and testing scope for the Kingdom Tower project and cover the challenging Quality Control tasks in extreme weather conditions and the difficulties faced in balancing the various concrete properties, namely pumpability, durability and modulus of elasticity on this record setting project. He will also speak about his goals as the incoming ACI President.

### PRESENTER:

**Khaled Awad**

Chairman and Founder of ACTS



The next president of ACI, Mr. Khaled Awad, will be joining SEAOSC and ACI SoCal for our annual joint meeting on May 3, 2017. Mr. Awad is the Chairman and Founder of ACTS, a material and geotechnical consulting firm based in Beirut, Lebanon, and operating in Qatar, Saudi Arabia, and several other countries of the Middle East. He is an active member of ACI, serves on Certification Programs Committee, International Advisory Committee, ACI Board Committee Chairs Committee, and the International Certification Subcommittee, of which he is a past chair, and is a Trustee of the ACI Foundation. He is a member of many ACI technical committees and received the ACI Henry L. Kennedy Award and the ACI Chapter Activities Award in 2007, and the ACI Certification Award in 2011.

**Deadline Approaching – April 28, 2017**

Accepting Entries for the

**EXCELLENCE IN STRUCTURAL ENGINEERING**

**2017 AWARDS**

**[Click Here for Details](#)**



## Jeff Ellis, SE

The Fast and the Furious is not just the name of the popular movie series, but describes the pace of work in the construction industry as well! Everyone I speak to is very busy in this economy and this is certainly great news. Our workloads can sometimes make it tough to focus or participate in other parts of our lives outside work, such as with family, with friends, on hobbies, or with non-profit organizations such as SEAOSC. Yet it's been shown that it's important to lead balanced lives, beneficial to productivity as well as health, and that it is possible to do so and still have successful careers. What an exciting time to be an engineer in a great economy and with the public interest in stronger and more resilient communities!

Our structural engineer association is an individual-based organization that is only as strong and influential as the volunteers who step up to make a difference in their profession, industry and community and thus distinguish themselves in their career. SEAOSC is focused on advocating for the structural engineering profession, providing technical forums, and offering membership benefits. We advocate by informing community stakeholders what structural engineers do and the value we bring. We do this through various efforts such as our annual [SEAOSC Strengthening Our Cities Summit](#), performing and publishing our pioneering [Safer Cities Survey](#), advising cities on structural matters such as retrofit ordinances through our [Safer Cities Advisory Program](#), organizing Leadership Lunches with aligned SoCal organizations such as BOMA-LA and AIA-LA, authoring seismic retrofit ordinance design guides helping designers as well as policy-makers, and through our SEAOC Legislative Committee which monitors and takes action on legislation that may affect the structural engineering profession. We provide technical forums such as our technical committees where our membership may participate, deliberating on new methodologies as well as offering input on local codes and ordinances as well as on state and national codes and standards. These forums also include diverse education offerings such as presentations at our monthly dinner meetings, winter and spring education events, and webinars. SEAOSC's numerous membership benefits are listed in our [online](#)

[flyer](#) and include Impact, Promotion, [Technical Forums](#), [Education](#), Discounts, [Customer Referrals](#), [Recognition](#), and Networking.

So, as you can see, there's many ways our association benefits our careers, profession and communities. It does take a bit of extra effort, but it can be so impactful not only to others, but also to the volunteers as well. It's truly inspiring to work alongside so many talented and passionate members stepping up and performing great work and raising the tide for all! This includes the Directors on the SEAOC and SEAOSC Boards, the committee chairs, and the committee members. The back of our SEAOSC newsletter and our SEAOSC and SEAOC websites show the Board members and Committee Chairs. Thank you!! Participating in our Association has so many positive aspects, including helping others better understand various aspects of our profession and industry as well as also receiving great insight from fellow volunteers. As Albert Einstein once said, "Once you stop learning you start dying."

We have a lot of great upcoming events that several in our Association have been working hard on and that will be beneficial for you to attend. I hope that you are able to participate in them. L.A. Mayor Garcetti's [Building Forward LA](#) sustainability and resilience initiative is having its [second meeting](#) at the A+D Museum in L.A. on Tuesday April 25th. It's important for engineers to participate in these events as this initiative may affect the design and construction in L.A. and other communities. Registration is free and it was sold out for the initial meeting, so register soon. Talk to SEAOSC Treasurer Mehran Pourzanjani SE of Saiful Bouquet, Board Director Matt Barnard SE of Degenkolb or I with any questions on this. On Wednesday April 26th, Dr. Curt Haselton, Professor of Civil Engineering at California State University, Chico, and Co-Founder of Haselton Baker Risk Group, will be presenting a must see webinar on "[Performance-Based and Resilience-Based Design of Steel and Concrete Moment Frame Buildings](#)".

If you've not signed up for it yet, take a few minutes and register for what will be a truly great time of wine tasting and socializing with your fellow SEAOSC members at the [SEAOSC 2017 Membership Appreciation Event](#) on Saturday April 29th. Buses will leave from Union Station at 8 am and the Fullerton Train Station at 9 am and we'll spend the day winetasting at three Temecula vineyards, have lunch, a vineyard tour, and be back in Fullerton at 5 pm and Union Station at 6 pm. There's limited seating so register soon and the last day to register is Friday April 21st. Thanks to the Membership Committee, with Co-Chairs Kerry Regan PE of Buehler & Buehler and Christian Cody of Hilti, for planning what should be a very enjoyable event! Our May monthly dinner meeting will be a [SEAOSC/ACI joint dinner meeting](#) and the next President of ACI, Mr. Khaled Awad, will be presenting on the soon to be the world's tallest building in Saudi Arabia. This will be a great presentation and an excellent time to meet ACI members. I hope to see you there! Thanks to our Education Committee for planning some really great education events, with Co-Chairs Dan Fox SE of MHP and Matthew Michnewich PE of John A. Martin!

Our Image & PR Committee Chair Sam Mengelkoch SE of Structural Focus has done a great job representing SEAOSC at various industry events such as the 2nd L.A. Seismic Retrofit Resource Fair on Monday April 17th and will be representing us at the 2017 [Southern California Association of Governments Regional Conference](#) on May 4-5 in Palm Desert. It's estimated that there will be about 400 to 700 people in attendance, mostly made up of elected officials and city staff from 191 cities and 5 counties across Southern California. We'll have our Safer Cities Advisory Program and [What You Need to Know About Structural Engineering](#) flyers to hand out as well as some samples of our Safer Cities Survey. Our I&PR Committee is an important committee and you could really make an impact by participating with them! Along with promotion of the structural engineering profession, what better way than to recognize the excellent projects completed by our members? Don't forget to enter your project in the [SEAOSC Excellence in Structural Engineering Awards Program](#) by Friday April 28th. Award winners will be announced at the annual SEAOSC End-of-Year Awards and President's Dinner on June 7th at Luminarias. The winning projects will be automatically entered in the SEAOC EISE Awards Program and the winners will be recognized at the annual SEAOC Convention.

After all that, it certainly reinforces that we're moving at The Fast and the Furious pace! We're living in a special time in a dynamic economy where there is increased public interest in improving the strength and performance of our communities as well as our profession having improved methodologies and tools to analyze, evaluate and communicate. Hopefully we are able to make the most of this time to create as much positive and lasting impact that will truly benefit our profession, industry and communities! With the talent and dedication of those in our Association, I know that we will all strive toward this goal diligently. Thank you to all the hard working SEAOSC volunteers! And to those who have not yet participated, join the team and make an even greater IMPACT together!



Jeff Ellis SE – SEAOSC President

#### SEAOSC April LA Dinner Meeting.



Great crowd of SEAOSC members enjoying a lively and enlightening all-star panel discussion for the April monthly dinner meeting on "Structural Engineering and Its Risks: Risk Management for All Engineers", moderated by our President-Elect **Robert Lyons** of Risha Engineering. Plenty of great insights were shared that will no doubt be used to minimize and manage risks associated with day to day activities of structural engineers and their firms. A hearty thank you to our expert panelists which included Brenda Radmacher, Partner, Wood, Smith, Henning & Bernal LLP; Eric Khodadian, Associate, K&L Gates; Gregg Brandow, PhD, P.E., S.E., Principal, Brandow & Nastar Inc.; **Janah Risha, PE, SE, GC.**, President, Risha Engineering; **Jeff Crosier, S.E.**, Principal, Miyamoto International; and **Kenneth Wittman**, Senior Vice President, Dealey Renton & Associates. The very informative and enjoyable meeting included a pre-dinner Connections Mixer with free drinks and was held in a different venue at Almansor Court in Alhambra.

See our [Events Photo Gallery](#) for all the photos. Be sure to check out our online calendar for upcoming events.

# MEMBER SPOTLIGHT



## Saeed Fathali, PE (CA), LEED AP, CalEMA Safety Assessment Program (SAP)

Director of Seismic Solutions, Structural Technologies, LLC.

Member Since: 2016

[SFathali@structuraltec.com](mailto:SFathali@structuraltec.com)

**Current SEAOSC Role:** Co-chair of 2017 SEAOSC Summit, member of “existing building” and “strategic outreach”

**Favorite Movie:** Insomnia (2002)

**Proudest Accomplishment:** Regaining my fitness and active life style that I had lost during my PhD studies after graduation.

**Childhood Ambition:** Play for football (soccer) club FC Barcelona

**First Job:** Tutor high school math and physics

**Why Join SEAOSC:** SEAOSC enables its member to pursue common objectives benefiting our profession and our communities that are too big or sometime even impossible to pursue outside the organization. SEAOSC takes the good intentions, ideas, and knowledge in each of us and put it on a platform that amplifies their impact significantly. The benefits that we gain from our membership such as access to educational seminars at discounted rates (or sometime even for free) for the cost of the annual membership are incredible deals, and that is possible only when majority of us take part.



## David H. Williams, S.E.

Project Engineer, Degenkolb Engineers

Member Since: 2010

[dwilliams@degenkolb.com](mailto:dwilliams@degenkolb.com)

**Current SEAOSC Role:** SEAOSC Summit Co-Chair

**Favorite Movie:** Pulp Fiction

**Proudest Accomplishment:** Launching, growing, and leading our new office in Los Angeles.

**Childhood Ambition:** Astronaut/World Series Champion

**First Job:** Kim’s Cleaners

**Why Join SEAOSC:** SEAOSC is a great organization that connects engineers and aims to advance the profession and industry.

# WELCOME NEW MEMBERS!

## Member

Adolfo Gomez, Polaris Adv. Engineering, Pomona

## Member SE

Danniel Kang, JLA, Inc., El Segundo  
Mehrshad Ketabdar, Southern California Gas Company, Los Angeles

## Affiliate

Spenser Lauro, Dealey, Renton & Associates, Santa Ana

## Associate

Daniel Lavarney, Degenkolb Engineers, Los Angeles

## Corresponding

Scott Stevens, Specialized Testing, Santa Fe Springs

## Industry Member

William Germani, Engineers Insurance Specialist, Los Angeles

## Young Associate

Alexander Lee, Structural Focus, Gardena

### SEAOSC APRIL OC DINNER MEETING

SEAOSC members enjoying enlightening and excellently delivered O.C. dinner meeting presentation on April 19<sup>th</sup> entitled "Findings from the SEAONC Structural Engineering Engagement and Equity (SE3) 2016 Study" by Angie Sommer SE of ZFA Engineers. This is an example of great work coming out of our Association committees. For anyone wanting further information, the full report, a recorded webinar of findings, and a best practices resource guide can be found on the SE3 website at [se3project.org](http://se3project.org).



SEAOSC members enjoying Orange County dinner meeting presentation on the SE3 survey report.



ICC V.P. Mark Johnson and SEAOSC President Jeff Ellis SE of Simpson Strong-Tie



SEAOSC member Traci Petcoff Wong PE of ESI-FME, SEAOSC Board Director Lorena Arce PE of AISC and SEAONC member and the evening's presenter Angie Sommer SE of ZFA



SEAOSC member Kirsten Zeydel SE of Digital Building Components and past SEAOSC Summit Co-Chair Annie Kao PE of Simpson Strong-Tie

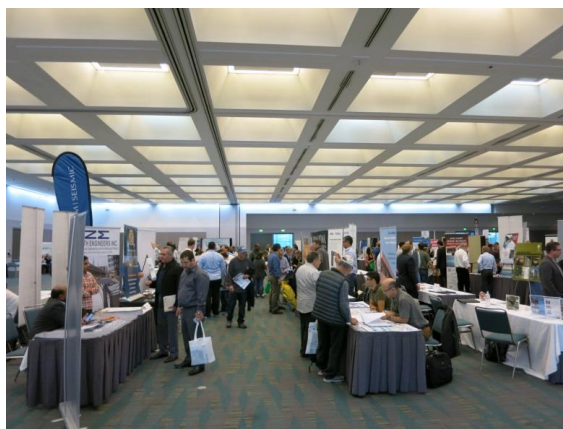
## SEAOSC WOMEN'S GROUP HOSTS MENTORING ROUNDTABLES

The April 19th Orange County dinner meeting started off early with a mentoring roundtable event sponsored by the SEAOSC Women's group. Inspired by a similar event organized by Krista Looza of Buehler & Buehler for the 2015 SEAOC Convention in Seattle, a group of six senior-level structural engineers volunteered to answer any and all questions and to share their career path stories with attendees. We were very honored to have Sandra Biddulph, S.E., Principal at DCI Engineers, Irvine and SEAOSC Director; Marcia Brown, S.E., Civil, Structural, Architectural Department Manager at Fluor; Susan Dowty, S.E., Government Relations Manager at ICC; Traci Wong, P.E., Senior Project Engineer at ESI-FME; Molly Skinner, S.E., Associate at KPFF Irvine; and Kirsten Zeydel, S.E., Structural Engineering Manager at Digital Building Components share their compelling journeys with the rest of us. We hope to host similar events in the future and continue to provide support and opportunities for networking and mentorship for the entire SEAOSC community.

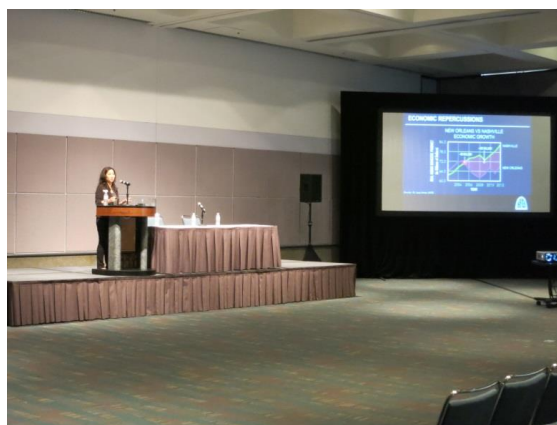


## SEAOSC MEMBERS PARTICIPATION IN 2ND L.A. SEISMIC RETROFIT RESOURCE FAIR

On Monday April 17th at the Los Angeles Convention Center, numerous SEAOSC members and their companies joined LADBS and other professionals - such as contractors, manufacturers, and financial companies - to offer information and resources to L.A. building owners with soft, weak or open-front (SWOF) wall line wood or non-ductile (NDC) buildings at the 2nd L.A. Seismic Retrofit Resource Fair. Existing Building Committee (EBC) Chair Daniel Zepeda SE of Degenkolb and EBC member Garrett Hagen SE of Degenkolb provided a presentation on the retrofit of NDC buildings, EBC member Russell McLellan MS of SGH and EBC member David Funk SE of John Labib provided a presentation the retrofit of SWOF wood buildings, and 2016 Summit Co-Chair Annie Kao PE of Simpson Strong-Tie provided a presentation entitled "Partnering with Structural Engineers for Safer Buildings." Image & PR Chair Sam Mengelkoch SE of Structural Focus and Younger Member Committee Co-Chair Maria Mohammed PE of Structural Focus represented SEAOSC at our tabletop. A hearty thank you to the SEAOSC presenters and to all who participated in this important event and making it a success!



2<sup>nd</sup> L.A. Seismic Retrofit Resource Fair



2016 Summit Co-Chair Annie Kao PE of Simpson Strong-Tie providing a presentation entitled "Partnering with Structural Engineers for Safer Buildings."



## SEAO SC MEMBERS PARTICIPATION IN 2ND L.A. SEISMIC RETROFIT RESOURCE FAIR

*Continued...*



EBC member Russell McLellan MS of SGH and EBC member David Funk SE of John Labib provided a presentation the retrofit of SWOF wood buildings



EBC Chair Daniel Zepeda SE of Degenkolb and EBC member Garrett Hagen SE of Degenkolb provided a presentation on the retrofit of NDC buildings



Image & PR Chair Sam Mengelkoch SE of Structural Focus, President Jeff Ellis SE of Simpson Strong-Tie and Younger Member Committee Co-Chair Maria Mohammed PE of Structural Focus at the SEAOSC tabletop at the end of the Fair.

## BUILDING FORWARD LA MARCH 23RD KICK-OFF AND KNOWLEDGE EXCHANGE EVENT

SEAOSC is proud to announce our participation in [Building Forward LA](#). The City of Los Angeles Mayor's Office has embarked on an ambitious effort to identify opportunities within the rules and processes that govern new building design to enhance the design and construction industry's abilities to deliver resilient buildings. Seismic is a critical part of the discussion. But it is not the only part, as we are discussing all shocks and stressors to our community such as water, energy, severe weather, homelessness, and much more. In this spirit, Office of Mayor Eric Garcetti, AIA – Los Angeles, USGBC – Los Angeles, Rebuild by Design, The Now Institute, and SEAOSC have all joined together in this effort. Other organizations and community stakeholders are joining the effort now that it has been kicked off.

On March 23rd at the A+D Museum in Downtown Los Angeles, SEAOSC participated in the Kick-Off and Knowledge Exchange Event. SEAOSC Director Matt Barnard SE of Degenkolb Engineers provided an introduction to seismic resiliency and asked the questions "Is safety good enough, Do we want functionality, if so, which buildings or the whole community?" Matt and Dr. Curt Haselton of California State University, Chico then co-facilitated a break-out session to discuss this very question. SEAOSC President Jeff Ellis SE of Simpson Strong-Tie and Russell Fortmeyer of ARUP co-facilitated a breakout session about the building code itself, how it works and improvement aspirations. The insights gained from those conversations were great and are being incorporated into a forthcoming report from Building Forward LA. Thank you to all of the SEAOSC members who participated in this important event!

The event on March 23rd was the start of the effort. Over the next few months, Building Forward LA will be embarking on a research and engagement effort to further the conversation started at the kick-off event followed by the generation of recommendations for consideration by the City of Los Angeles. There will be discussions throughout the process held at various meetings and events around the City of Los Angeles. The next free [event](#) scheduled for April 25th at A+D Museum. Join us for these events as it's important to provide input from the engineering community. Share your insights. Dream about what could be. You can make a difference!

Stay tuned to our social media platforms for announcements of upcoming events.



From top left, top right, and bottom left: SEAOSC Director Matt Barnard SE of Degenkolb Engineers offering opening comments with others. SEAOSC President Jeff Ellis SE of Simpson Strong-Tie and Russell Fortmeyer of ARUP co-facilitating a breakout session about the building code. Dr. Curt Haselton of California State University, Chico facilitating a break-out session with Director Matt Barnard.

## 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, SEA OCC, 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.



## **NEW for 2017! COMBINED EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS PROGRAMS**

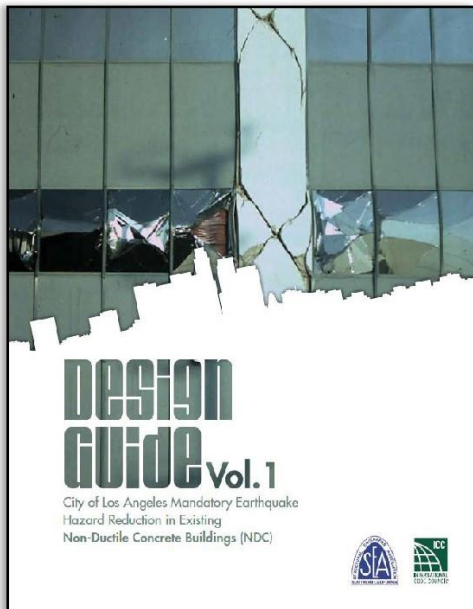
Each year, the four SEAOC Member Organizations (MOs), through their respective **Excellence in Structural Engineering (EiSE) Awards** programs, give recognition to their members and firms for demonstrating outstanding achievement and excellence in structural engineering practice, project and research work. At the state level, the **SEAOC EiSE Awards** bring together projects, recognized by their local MOs, to celebrate the “Best of the Best”, serving as models of excellence in structural engineering representing California structural engineers.

To truly celebrate outstanding achievement and significant contribution to the profession, and recognize **THE BEST OF THE BEST**, the SEAOSC and SEAOC Excellence in Structural Engineering Awards are now integrated into a single, two-tiered program. Your entry fee includes both the Regional and State EiSE Awards Programs. In order to participate in the State Awards program, you **MUST** first enter one of the Regional (SEAONC, SEAOSC, SEA OCC, SEA OSD) Awards programs. If your project receives an award in the Regional program, it will be entered into the SEAOC Awards program automatically with no additional fee.

To this end, **SEAOC and its Member Organizations** are announcing this **Call for Entries** and encourage eligible members to submit their projects for consideration in the 2017 EiSE Awards Programs. Entrants will submit projects through their local MO; SEAONC, SEAOSC, SEA OCC or SEA OSD. The **SEAOSC 2017** Awards will be recognized as a part of the June 7, 2017 **SEAOSC** monthly meeting and awards ceremony. *Entries receiving an Award of Excellence or an Award of Merit recognition at the regional level will be automatically elevated and entered into the State Awards program, with winners honored at the **SEAOC 2017 Annual Convention.***

**SEASC NDC AND SWOF SEISMIC RETROFIT DESIGN GUIDES ON SALE NOW!**

[Click Here to Purchase](#)



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.

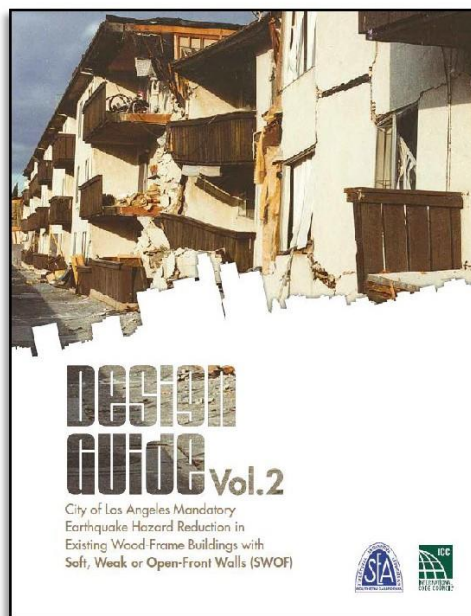
The publication of this design guide coincides with the end of the triennial code cycle, and was written for use with the 2017 *City of Los Angeles Building Code* based on the 2015 *International Building Code* and ASCE 41-13. This guide is an excellent resource for practicing professional engineers,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

**SEASC 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

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.



**SEASC 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](mailto: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.

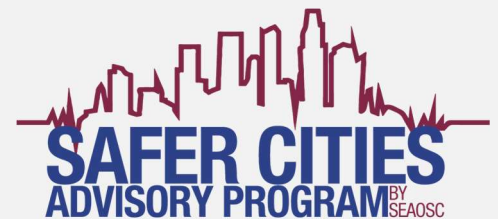
Our program is based on a pool of qualified SEAOSC members, able and willing to review regulations and other programs such as a back-to-business program developed by you. Our members will volunteer their time to offer you recommendations to refine to your proposed regulations and programs. We want you 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](mailto: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](mailto:seaosc@seaosc.org)

## SUSTAINABLE DESIGN COMMITTEE UPDATE

Over the past year, the SEAOSC Sustainable Design Committee has worked hard to promote and improve the Structural Engineer's role in Sustainable Design. We have improved the sustainable education opportunities for all SEAOSC members, improved our communication with committee members, and provided learning opportunities during our monthly meetings.

We heard from experts in the field of sustainable steel structures, green concrete, cross laminated timber, the living building challenge and more.

Members of the committee attended various sustainable conferences including SEI's Structures Congress and the SEAOC Convention. And we will continue to partner with other sustainable committees across the state and the country to expand our reach and increase our impact.

In the upcoming year, we look forward to working with other committees, such as the Seismology Committee, to contribute to a paper on Resiliency - a buzz word that we hope will increase the role of the structural engineer within not only the built environment, but the community as a whole.

The past year has been a very productive one for the committee and we look forward to another productive year ahead. Come and join us now! For information about the committee or to join, please contact Committee Chair Nina Mahjoub PE LEED AP of Holmes Structures at [Nina.Mahjoub@holmesstructures.com](mailto:Nina.Mahjoub@holmesstructures.com) and (213) 293-1782.

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](#).





## NOTES FROM THE BUILDING CODES & STANDARDS COMMITTEE

### Development of the Los Angeles Building Code

The development cycle for the 2017 edition of Los Angeles Building Code (LABC) is complete. The Los Angeles City Clerk shows the record here. However, looking forward to the 2020 LABC, members of SEAOSC may participate in the code process either directly through the City of Los Angeles or through the SEAOSC Building Codes & Standards Committee. Also the SEAOSC Building Codes & Standards Committee tries to coordinate with the ICC LA Basin Chapter.

- SEAOSC members may propose code changes to the SEAOSC Building Codes and Standards Committee (BCSC). The SEAOSC BCSC will present the proposals to the LADBS Code Engineer for consideration. A consensus or group supported change may offer a better chance of successful adoption.
- Code changes may also be submitted directly to the Department of Building and Safety (LADBS). Proposals and comments need to be sent to the LADBS Code Engineer, Eugene Barbeau, P.E., 201 N. Figueroa St., Rm. 1080B, Los Angeles, CA 90012, email: Eugene.Barbeau@lacity.org.
- A clear and concise justification is needed for the code change proposal.
- Code changes are subject to approval by the City of Los Angeles Board of Building and Safety Commission and the City Council.
- Code changes adopted by the City must be filed as a local building code amendment with the California Building Standards Commission and meet certain criteria, see <http://www.bsc.ca.gov/Rulemaking/LocalCodeOrdinances.aspx> for additional information.
- Comments on the 2018 California Building Code (CBC) must be submitted to the LADBS before July 2019.
- Updates on the code development process and status of code changes proposed by SEAOSC will be reported in upcoming SEAOSC newsletters.

### ASCE 41-17 Public Comment Period

The ASCE 41-17 Public Comment period is now opened and comments may be submitted until May 15, 2017.

You may download the draft ASCE 41-17 from

<https://secure.asce.org/ASCEWebSite/StandardsBalloting/BallotInfo.aspx>

The Building Codes and Standards Committee, Seismology and Existing Buildings invites SEAOSC membership (committee members or not) to take advantage of the opportunity, and comment on the proposed draft.

Although comments may be submitted directly to the ASCE 41 committee, SEAOSC is planning to submit comments as a group in hopes that ASCE will accept more of our comments. To this end, please email your comments either to Michael Ciortea ([Michael.ciortea@dgs.ca.gov](mailto:Michael.ciortea@dgs.ca.gov)) or Colin Kumabe ([ctkumabe@gmail.com](mailto:ctkumabe@gmail.com)). They will tabulate the comments and forward to ASCE on behalf of SEAOSC.

## CITY OF SANTA MONICA APPROVES MANDATORY SEISMIC RETROFIT ORDINANCE!

On March 28<sup>th</sup>, the Santa Monica City Council unanimously approved the second reading to update their mandatory seismic retrofit ordinance for five seismically vulnerable building types. Each building will have different evaluation and retrofit completion time frames after official notices are issued. These mandatory dates can be summarized as follows:

Building Type	Start Date of Sending Notices	Structural Evaluation Time Frame After Notice	Retrofit Completion Time Frame After Notice
Unreinforced Masonry Buildings	May 2017	3 Months	2 Years
Concrete or Masonry Buildings with Flexible Diaphragms	July 2017	4 Months	3 Years
Wood Soft Story Buildings	July 2017 through August 2018 (Depending on Priority)	2 Years	6 Years
Non-Ductile Concrete Buildings	October 2017	3 Years	10 Years
Pre-Northridge Welded Steel Moment Frame Buildings	October 2017	3 Years	20 Years

SEAOSC is proud to have supported this effort through our [Safer Cities Advisory Program](#). In addition the SEAOSC Existing Buildings Committee (EBC) is in the process of preparing a series of technical reports that will help engineers interpret the new ordinance language. These reports are expected to be released by the end of 2017. Contact our SEAOSC EBC if you would like more information or would like to contribute to this important effort <http://www.seaosc.org/SEAOC-Committees>.

Congratulations to the City of Santa Monica for this important step towards increasing the safety of their community. For more information on the ordinance please visit the city’s new seismic ordinance website [smgov.net/seismic](http://smgov.net/seismic). To download the full staff report and new ordinance language visit the city’s clerk website at [http://santamonicacityca.iqm2.com/Citizens/Detail\\_Legifile.aspx?Frame=&MeetingID=1087&MediaPosition=&ID=2037&Class](http://santamonicacityca.iqm2.com/Citizens/Detail_Legifile.aspx?Frame=&MeetingID=1087&MediaPosition=&ID=2037&Class).



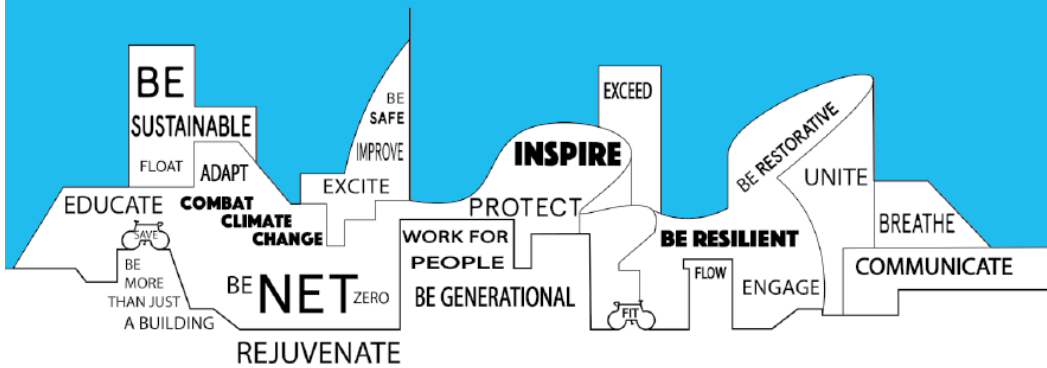
## CITY OF WEST HOLLYWOOD APPROVES MANDATORY SEISMIC RETROFIT ORDINANCE!

On April 3<sup>rd</sup>, the West Hollywood City Council voted on the first reading to approve implementation of their soft-story wood seismic retrofit ordinance. They have also developed seismic retrofit ordinances for non-ductile concrete and pre-Northridge steel moment frame buildings, which will be presented to the City Council this summer. SEAOSC strongly supports retrofit programs that target and reduce the risk of significant seismic vulnerabilities often times found in older buildings. These programs promote improved safety for building owners and building occupants, benefiting the entire community. SEAOSC is proud to have supported this effort through our [Safer Cities Advisory Program](#), offering technical input regarding the ordinance.

Congratulations to the City of West Hollywood for this important step towards increasing the safety of their community. For more information on the ordinance please visit the city's new seismic ordinance website <http://www.weho.org/city-hall/city-departments-divisions/community-development/building-and-safety/seismic-retrofit>.



# IN THE FUTURE, I WANT BUILDINGS TO



JOIN US TO CONTINUE

**APRIL 25**  
**6:30 - 8:30 PM**

**Building**  
**Forward**  
**LA**

## A + D ARCHITECTURE AND DESIGN MUSEUM

900 E 4th Street, Los Angeles, CA 90013

*(On site and street parking available)*

The March 23 kickoff knowledge exchange for BUILDING FORWARD LA challenged experts from across the engineering, architecture, building, and regulatory spectrum to imagine what they want our buildings to be in the future, and to think critically about what's needed to get there.

On April 25, we invite you to continue the conversation with a presentation of some of the region's most advanced buildings from their project teams. We'll hear about their forward-thinking design ambitions, and find out how the built reality compares. In discussion of these cases, we'll identify opportunities for building rules and process to encourage innovation in design, engineering, and construction.

### Presenters include:

Skidmore, Owings & Merrill on the US Courthouse in Downtown LA

Jeff Landreth, *tk1sc Collaborative* & Mike Nesbit, *Morphosis Architects* on the Private Residence of Thom Mayne

### Agenda:

6:30 PM: Welcome and Networking

6:45 PM: Case Study Presentations

7:30 PM: Moderated Discussion

8:30 PM: Adjourn

### Presented in partnership with:

The Office of Los Angeles Mayor Eric Garcetti | Rebuild by Design | American Institute of Architects LA Chapter | US Green Building Council - LA | Structural Engineers Association of Southern California | The Museum of Architecture+Design | The Now Institute at UCLA  
Mayor's Fund for Los Angeles

[RSVP Here](#)



# WEBINAR



The Center for Risk-Based Community  
Resilience Planning  
*A NIST-funded Center of Excellence*



## Community Resilience: Modeling, Field Studies and Implementation

Learn more about the NIST-funded Center for Risk-Based Community Resilience Planning and how the Center is developing a computational environment to help define the attributes that make communities resilient.

*Webinar: Thursday, April 27, 9:00 AM – 11:00 AM (MDT)*

- 9:00 - 11:00 AM Presentations from the Center of Excellence Team followed by on-line chat Q & A

*Webinar:* <https://youtu.be/eyizCDxcdSA>.

A resilient community is one that is prepared for and can adapt to changing conditions and can withstand and recover rapidly from disruptions to its physical and social infrastructure. Modeling community resilience comprehensively requires a concerted effort by experts in engineering, social sciences and information sciences to explain how physical, economic and social infrastructure systems within a real community interact and affect recovery efforts. Over the last two years, NIST Center of Excellence researchers have been working on fundamental resilience-related research as it related to earthquakes, tornadoes, floods, tsunamis, and hurricanes.

Join this informational **Webinar** to learn more about the Center's recent activities. A Center overview will be followed by a session on the Center's recent Special Issue of Resilient and Sustainable Infrastructure, which features six papers on the virtual community Centerville. The modeling and analysis theory behind each paper will be explained followed by a demonstration of IN-CORE, the Interdependent Connected Modeling Environment for Community Resilience. Presentations on the first validation study, The Joplin Hindcast, and the Center's first Field Study, The Lumberton, NC Floods of 2016, will also be a highlight of the Webinar.

The webinar is open to anyone immediately followed by a Q&A "chat" period.

Center for Risk-Based Community Resilience Planning  
Department of Civil and Environmental Engineering  
Colorado State University  
Email: [resilience@colostate.edu](mailto:resilience@colostate.edu)  
Website: <http://resilience.colostate.edu/index.shtml>



Dear SEAOSC Members,

**Last Week to Register Before Early Registration Rates END ON  
MAY 5th**

Be sure to register for the 51<sup>st</sup> Anniversary SEAoA Convention and Conference. This year's keynote presentation will be Burj Khalifa: Engineering the World's Tallest Building by Mr. Bradley Young, P.E., S.E. of Skidmore, Owings & Merrill. Please see the flyer below for a complete list of all our speakers and presentations.

**SEAOSC members receive the member registration rate!**

**SEAoA 51st Anniversary Convention and Conference**  
June 1st - 3rd, 2017



**BURJ KHALIFA  
ENGINEERING THE  
WORLD'S TALLEST BUILDING**


**Keynote Presentation**

Don't miss this year's exciting keynote presentation for the SEAoA Convention and Conference on Burj Khalifa in Dubai presented by Bradley Young, PE, SE from Skidmore, Owings & Merrill, LLP in Chicago. Mr. Young is an Associate Director with the SOM Structural group and was active in the design and construction of the 162-story high-rise through its completion in 2010. This special prevention will be held on Friday morning, June 2 and is included in your registration to the convention.

**REGISTER ONLINE: [HTTP://WWW.SEAOA.ORG](http://www.seaoa.org)**

**WESTIN LA PALOMA RESORT & SPA 3800 E SUNRISE DR TUCSON, AZ 85718**

This year we are proud to be celebrating the 51st Anniversary of our Association with a Main Event Dinner & Gala Friday evening that is included in your registration thanks to generous sponsorship by Ashraf Habibullah and Computers and Structures, Inc.




**51<sup>ST</sup> ANNIVERSARY CONVENTION**  
STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA  
**AN INTRODUCTION TO HUMAN ENGINEERING**  
*To lead, influence and inspire!*

Research conducted at the Carnegie Institute of Technology (aka the Carnegie Mellon College of Engineering) has suggested that only 15% of your financial success is due to your technical expertise. The other 85% is due to your skills in human engineering, i.e. your personality and your ability to deal with people. And as strategic use of economic power translates into influence and recognition, perhaps a closer look at the need for an education involving human engineering is in order.


It is a fact that a structural engineering education is focused almost exclusively on technical topics with practically no exposure to human engineering. Could that be the reason why the professional fees and compensation for structural engineers do not even begin to reflect the profession's immeasurable contributions to humanity? And why our profession is not even in the running for any high profile recognition or prize, such as a Nobel?

In this talk, Ashraf emphasizes the need for a human engineering based education. He convincingly demonstrates, with his usual enthusiasm and humor, why it is important to cultivate deep personal beliefs, to develop public speaking skills and to become familiar with the arts, human psychology and human chemistry. These talents will enable young engineers to enter the professional world ready to lead, influence and inspire!



Ashraf Habibullah, Speaker

**June 2, 2017**  
3:30 pm to 5:00 pm  
Westin La Paloma Resort & Spa  
TUCSON, ARIZONA



**STRUCTURAL ENGINEERS**  
*Saving lives every time the wind blows!*

ISO 9001:2008 CERTIFIED

# STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA

## 51<sup>ST</sup> ANNIVERSARY CONVENTION

TUSCON, ARIZONA  
FRIDAY, JUNE 2, 2017

Join Us for a Celebration of

## The Future of Structural Engineering

Hosted by Computers and Structures, Inc.

Ashraf Habibullah, President and CEO of Computers & Structures, Inc., will host an exclusive cocktail and dinner reception at the Westin La Paloma Resort on in Tucson, AZ on Friday, June 2, 2017, in conjunction with SEAoA Annual Convention. The event will feature dinner and entertainment to celebrate the grandeur and glory of our amazing profession! Join Ashraf for an evening of fun, inspiration and fabulous prizes. You won't want to miss this!

**Date & Time:** Friday, June 2, 2017 7:00 pm - 11:00 pm  
**Location:** Westin La Paloma Resort & Spa, Tucson, Arizona

### Ticket Includes

- Endlessly-Flowing Champagne
- Full Dinner & Hosted Bar
- Live Entertainment
- Amazing Raffle Prizes

**For more information and tickets visit:** [www.seaoa.org/event-2491916](http://www.seaoa.org/event-2491916)

## STRUCTURAL ENGINEERS

*Saving lives every time the wind blows!*

ISC 071400714

**Early Registration Rates: \$250 for Members, \$300 for Non-Members**

**After May 5th:** \$300 for Members and \$350 for Non-Members

For more information and registration click the image below:





# SEAOA 51st Anniversary Convention and Conference

## June 1st - 3rd, 2017

### Attendee Registration Information

**REGISTER ONLINE** at <http://www.seaoa.org>

**WESTIN LA PALOMA RESORT & SPA 3800 E SUNRISE DR TUCSON, AZ 85718 PHONE: (520) 742-6000**

- Exhibitor Trade Show and Welcome Reception
- SEAOA Excellence Awards
- Raffle Prizes for Attendees
- Commemorative Gift
- Relaxing Resort Atmosphere



### **SEMINAR TOPICS (9.0 PROFESSIONAL DEVELOPMENT HOURS)**

#### **Keynote Presentation:**

**Burj Khalifa: Engineering the World's Tallest Building** - Brad Young (Skidmore, Owings & Merrill)

**Seismic Design and Detailing of RC Low-Rise Structures** - Mike Mota (CRSI)

**Geotechnical Consideration for Design of Foundation for Structures Built on Landfills** - Enamul Hoque (Hoque Associates)

**Updates in the 2016 AISC Specification** - Eric Bolin (AISC)

**Learning to Love Your Indemnification Clause** - Gail S. Kelley

**BIM and Structural Engineering** - Desiree Mackey (Martin and Martin)

**Micropile Design and Construction with Case Histories** - Tom Printz (Williams Form Engineering)

**Shear Walls with Openings** - Terry Malone (WoodWorks)

**Mass Timber Structural Systems** - Ian Boyle (Fast + Epp)

#### **Design of Tall Masonry Walls** -

Dr. W. Mark McGinley (Arizona Masonry Guild)

**Working More Efficiently: Time Management**

**Tips for Engineers** - Annie Kao (Simpson Strong Tie)

**Rethinking Multifamily Residential** -

Neil Wexler (Wexler Associates)

**Helical Piles: Compliance and Effects of Seismic Activity** - Darin Willis (Fortified Engineering Solutions)

### **SEAOA 51st Anniversary MAIN EVENT**

Sponsored by

**Ashraf Habibullah and**

**Computers & Structures, Inc.**

**Friday Evening June 2nd 6-9pm**

Food, Entertainment and Honoring our History

*This event is included in the conference registration, however separate registration is available if you are not able to join us for the full conference (see website)*



**STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA PO BOX 645 TEMPE, AZ 85280 info@seaoa.org**

On behalf of the SEAOA Board of Directors we look forward to you joining us and another great Conference!

SEAOA 2017 Convention Committee

[www.seaoa.org](http://www.seaoa.org)



SEAOSC EVENTS

**Webinar**

PERFORMANCE-BASED AND RESILIENCE-BASED DESIGN OF STEEL AND CONCRETE MOMENT FRAME BUILDINGS

Wednesday, April 26, 2017

12:00pm-1:00pm

[Click Here to Register](#)

**Member Appreciation Event**

TEMECULA VINEYARD TOUR AND WINETASTING

Saturday, April 29, 2017

8:00am-6:00pm

[Click Here to Register](#)

**LA Dinner Event**

SEAOSC & ACI  
JOINT MEETING DINNER

Wednesday, May 3, 2017

5:30pm

[Click Here to Register](#)



# WEBINAR: PERFORMANCE-BASED AND RESILIENCE- BASED DESIGN OF STEEL AND CONCRETE MOMENT FRAME BUILDINGS

**Date:**  
Wednesday, April 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!

**Wednesday, April 26, 2017**

12:00pm-1:00pm

[Register Here](#)

## WEBINAR: PERFORMANCE-BASED AND RESILIENCE- BASED DESIGN OF STEEL AND CONCRETE MOMENT FRAME BUILDINGS

This webinar covers advanced design methods for modern steel and reinforced concrete frame buildings. Topics include both advanced design methods and new guidelines for nonlinear modeling. For nonlinear modeling, the results of the recent ATC-114 project will be presented, entitled Guidelines for Nonlinear Structural Analysis for Building Design (and which currently covers both steel and reinforced concrete frame buildings). Additionally, advanced design methods will be discussed, including performance-based design (where advanced modeling is done to demonstrate adequate safety) and resilience-based design (which also uses advanced analytical methods, but where the focus is to design to limit damage, repair cost, and repair time, in addition to ensuring structural safety).

### PRESENTER

**Curt B. Haselton**, PhD, PE, Professor of Civil Engineering, California State University, Chico & Co-Founder and CEO, Haselton Baker Risk Group, LLC



Curt B. Haselton, Ph.D., P.E., Professor of Civil Engineering at California State University, Chico, and Co-Founder of Haselton Baker Risk Group ([hbrisk.com](http://hbrisk.com)) and the Seismic Performance Prediction Program (SP3). SP3 is a commercial tool to implement FEMA P-58 analyses, with the goal of making broad use of FEMA P-58 feasible in practice. Dr. Haselton's research is in the area of performance-based earthquake engineering, with focuses on building code development, collapse safety assessment, ground motion selection and scaling, damage and loss estimation, and the treatment of uncertainties. Dr. Haselton was recently the chair of the Building Seismic Safety Council team to rewriting Chapter 16 of ASCE 7 evaluation and earthquake design.

SEAOSC Office: 562-908-6131 [seaosc@seaosc.org](mailto:seaosc@seaosc.org)



# 2017 MEMBERSHIP APPRECIATION EVENT

## Temecula Vineyard Tour And Winetasting

Saturday, April 29, 2017

8:00am-6:00pm

Members/Students: \$75 | Non-Members/Guests: \$100

*Deadline to Register: Friday, April 21, 2017*

***Join us in our Annual Membership Appreciation Event!***



***This year we will tour three Temecula vineyards!*** Attendees will travel from a choice of two pickup locations, Union Station or Fullerton Train station, to the vineyards in Temecula aboard a charter bus. The day will include wine tastings at three vineyards, lunch and a vineyard tour. We will arrive back around 6pm.

- 8:00 am.....Bus depart Union Station
- 9:00 am.....Bus depart Fullerton
- 11:00-12:00 .....Cougar Vineyard & Winery
- 12:30-2:00.....Bel Vino Winery
- 2:30-3:30.....Falkner Winery
- 5:00 pm.....Arrive Fullerton
- 6:00 pm.....Arrive Union Station

Limited Seating Available – Register Early!

RSVP by [Clicking Here](#)

For Questions, contact the Membership Committee at: [membership@seaosc.org](mailto:membership@seaosc.org)



# SEAOSC & AMERICAN CONCRETE INSTITUTE JOINT DINNER MEETING - MAY 2017



**Wednesday, May 3, 2017**

Networking, Dinner & Presentation

Luminarias Restaurant

3500 Ramona Blvd. Monterey Park CA 91754

[Register Here](#)

## Agenda:

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

6:30pm-7:00pm  
Dinner

7:00pm  
Presentation

## Cost:

Enroll on or before 4/26/17 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://visit.seaosc.org)

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

## PRESENTATION:

### CONSTRUCTION OF THE WORLD'S TALLEST BUILDING: KINGDOM TOWER IN JEDDAH SAUDI ARABIA

Incoming President Khaled Awad will take a look at the construction of the world's tallest building, the 1 km tall Kingdom Tower in Jeddah Saudi Arabia. He will discuss the Quality Assurance and testing scope for the Kingdom Tower project and cover the challenging Quality Control tasks in extreme weather conditions and the difficulties faced in balancing the various concrete properties, namely pumpability, durability and modulus of elasticity on this record setting project. He will also speak about his goals as the incoming ACI President.

## PRESENTER:

### Khaled Awad

Chairman and Founder of ACTS



The next president of ACI, Mr. Khaled Awad, will be joining SEAOSC and ACI SoCal for our annual joint meeting on May 3, 2017. Mr. Awad is the Chairman and Founder of ACTS, a material and geotechnical consulting firm based in Beirut, Lebanon, and operating in Qatar, Saudi Arabia, and several other countries of the Middle East. He is an active member of ACI, serves on Certification

Programs Committee, International Advisory Committee, ACI Board Committee Chairs Committee, and the International Certification Subcommittee, of which he is a past chair, and is a Trustee of the ACI Foundation. He is a member of many ACI technical committees and received the ACI Henry L. Kennedy Award and the ACI Chapter Activities Award in 2007, and the ACI Certification Award in 2011.

## 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](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 opportunities on the [website](#).

### 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 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 \(February\)](#)
- Winter 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](#)


 CLASSIFIED ADS
**WATRY DESIGN, INC. – IRVINE, CA**Engineering Project Manager

Are you looking for an opportunity to work with a collaborative, talented, passionate team where initiative is rewarded? Watry Design, Inc. is an Architectural, Structural Engineering and Planning firm that not only fits that bill, but offers far more.

We are currently seeking an Engineering Project Manager with 7-10 years of experience to work in our San Jose, Irvine, or Dallas offices. This position works on diverse projects for the private sector, municipalities, transit agencies, universities, medical facilities and more.

Using a unique process developed over the firm's forty plus year design legacy, our architects, structural engineers and planners are empowered to provide their professional expertise in every aspect of our parking solutions. If your interest is piqued, review the full posting at <http://watrydesign.com/careers>.

Send your resume and cover letter to [jobs@watrydesign.com](mailto:jobs@watrydesign.com) with the subject line "ENG PM SEAOSC."

**KNA STRUCTURAL ENGINEERS**Structural Engineers – Irvine

KNA Structural Engineers has immediate openings for motivated engineers at all experience levels. Successful candidates shall possess excellent communication skills and be able to effectively collaborate with clients, owners, contractors and other design professionals. KNA offers competitive compensation along with a comprehensive benefit package.

REQUIRED QUALIFICATIONS: BS-ARCE or BSCE (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, OSHPD or DSA experience and working proficiency with Revit. Entry-level candidates are required to have EIT Certification.

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 on our website careers page (<https://knastructural.com/about/careers/>). For more information about our firm, please visit us at [www.KNAstructural.com](http://www.KNAstructural.com). NO PHONE CALLS PLEASE.

**MHP STRUCTURAL ENGINEERS**

MHP Structural Engineers is a growing 30+ person Long Beach firm. We are currently seeking qualified individuals as follows:

Design: (2-8 yrs experience) you will be challenged with the responsibilities associated with all aspects of project design and construction, including direct client and contractor coordination. MS preferred. OSHPD, DSA, ETABS, SAP, RAM Steel and ASCE41 experience a plus.

Analysis: (2-10 yrs experience) challenging seismic evaluation and retrofit work of buildings. MS or PhD in Structural Engineering, PE or SE license, and expertise in SAP and ETABS non-linear analysis of buildings required, including non-linear pushover and time-history modeling using ASCE41-13. Experience with viscous dampers, OSHPD and DSA a plus.

MHP provides our staff long-term growth potential, competitive salaries and full benefits including dental and vision. Please submit cover letter/resume/references to [info@mhpse.com](mailto:info@mhpse.com), indicate the position you are applying for and verify that you meet the required criteria.

YOUR AD HERE



**We Provide Concrete Solutions**

- Concrete Repair (all types)
- Strengthening FRP, Steel, Enlargement, PT
- Seismic Joint Systems
- Water Control / grouting and sealing
- Coatings, Membranes, Grouts and Sealants
- Pile and Column repair systems (concrete and wood)
- Particulate and Solutingroutings systems
- Epoxy, Urethane, Bentonite and Cement
- Concrete Crack repairs via injection, stitching, and carbon fiber

**We Provide Support To The Engineering Community For Field Analysis And Recommendations**

\* American Restore Provides No Engineering Services

**“Using Our Resources to Preserve Yours”**

1555 2 Commerce Lane      Ph. (714) 893-9060  
 Huntington Beach, CA 92649      Fax: (714) 891-1655  
 jim@americanrestore.com      www.americanrestore.com  
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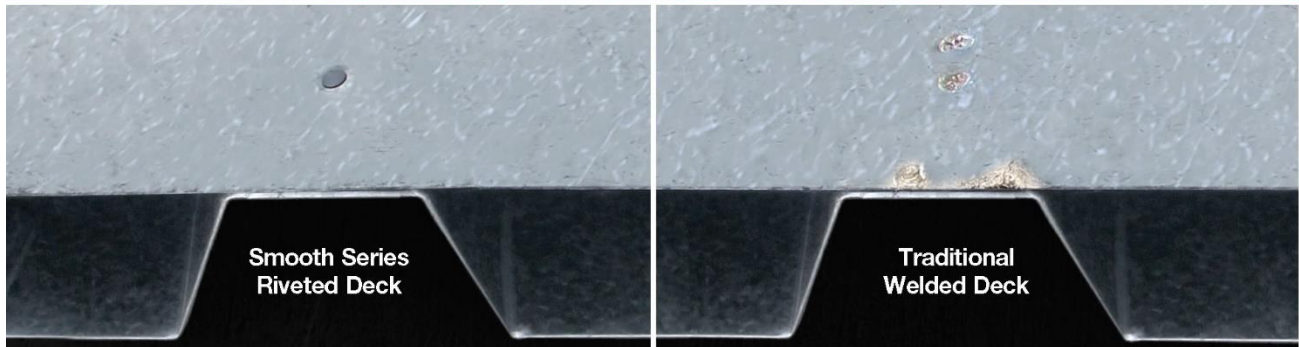
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Nemo Constructors experience with seismic renovation projects provides a perfect background for the renovations and refurbishments of commercial, industrial and delicate historic buildings. With over 30 years of experience in the greater Los Angeles 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

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.

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**Dianne Ochua**

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