



**2015 Strengthening Our Cities SEAOSC Summit a Huge Success!**



SEAOSC, in partnership with BOMA Greater Los Angeles (Building Owners and Managers Association), CALBO (California Building Officials), and SCAG (Southern California Association of Governments), was proud to present the 2015 Strengthening Our Cities Summit for the 5th consecutive year and to the largest turnout to date with over 350 attendees over two days! The new two-day format allowed for a technical discussion targeted towards structural engineers on Day 1 and a broader overview for building owners and government officials on Day 2.

The Summit brought engineering, government, and business together to educate those present on the latest tools, techniques, rules, and proposals related to building seismic stability and to propose moving forward to address the community's need for more resilient communities. Trends and best practices for building owners, businesses, and government in addressing existing buildings built before the latest code were also highlighted and discussed. At the forefront of discussions was the new mandatory building retrofit ordinance by the City of Los Angeles, which requires the retrofit of wood-frame soft-story buildings within 7 years and the retrofit of non-ductile concrete buildings within 25 years.



Day 1 explored the types of vulnerable buildings, discussed the code resources available, and provided clear design examples for wood and concrete buildings. The Day 1 audience was also able to learn some techniques for communicating risk from Dr. Michele Wood of Cal State Fullerton and hear the building owner's perspective on a panel featuring Melanie Colbert from LBA Realty and Antonio Rubbo from MacFarlane Partners as well as the engineers' side from Past-Presidents Joe LaBrie and Kevin O'Connell. The day concluded with a SEAOSC-CALBO reception to toast the developing partnership between the two.

The second day of the Summit opened with the New Zealand Consulate-General, the Honorable Leon Grice, who gave a very personal account of the aftermath of the Christchurch earthquake, the economic meaning of building safe communities and the critical role that structural engineers need to play in spreading the message that costs for better engineering detailing are little compared to the potential benefits. Two great panels exploring the questions of "What is the value in building a stronger, safer city?" and "How do you build a more resilient city?" took place featured distinguished guests Kevin Keller and Marissa Aho from LA Mayor Garcetti's office, Dr. Lucy Jones from USGS, Ron Takiguchi from the City of Santa Monica, Raj Patel from the City of Beverly Hills, Charlie Hobey of Equity Partners and President of BOMA-GLA, Heather Rosenberg from the US Green Building Council, and Chris Smith from the SoCal Disaster Risk Reduction initiative. The final talk of the day was given by Dr. Keith Porter of the University of Colorado at Boulder, who educated the audience on how to understand your building's seismic risk and how to evaluate it.

This event would not have been possible without the amazing contributions of all of the distinguished speakers and panelists from across the industry as well as the countless volunteer hours from the members of the Summit Steering Committee, co-chaired by Victoria Wigle and Annie Kao, and the Existing Buildings and Seismology Committees who are developing soft-story and non-ductile concrete examples. Of course, this event would not have been possible without the support of our industry sponsors including Gold Sponsors ICC-ES and Simpson Strong-Tie, as well as our many Silver and Bronze Sponsors that you can find on the Summit's website (<http://seaoscsummit.org/>). We look forward to continuing the conversation about building more resilient cities through California and working together to achieve safer communities. Be sure to check the website for more photos from the event!

*...more photos on page 5* ■

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**SAVE THE DATE!**

**DECEMBER**

**2** LA Dinner Meeting  
Luminarias, Monterey Park

**16** Holiday Party  
Parker's Lighthouse, Long Beach

**JANUARY**

**6** LA Dinner Meeting  
Luminarias, Monterey Park

**12** Tri-County Meeting  
Radisson, Santa Maria



**Support...** as I sit down to write this President's message, I find myself contemplating what occurred on Friday, November 13th in Paris, France. Without a doubt it is a tragedy that has been felt everywhere. As a result of this, many people around the world have united in showing **support** for **France** via social media; one posting of a quote stood out:

*Darkness cannot drive out darkness; only light can do that. Hate cannot drive out hate; only love can do that. – Martin Luther King, Jr.*

I know that many of the SEAOSC members, including myself, send our thoughts and prayers to the friends and families of those who were killed or injured during this and other terrorist attacks that have occurred around the world.

When something like this happens it does make one contemplate the significance of what we do during our everyday life. I realize that we all have different priorities in life and that at the top of many people's lists are family, work, friends, etc. SEAOSC is probably not that high on the list or may not even make the list at all. However, if it does make your list or if you'd like to have it on your list, one question may come to mind: Are we as structural engineers making a contribution to **support** society and make it a better place? I would respond YES! As structural engineers, we contribute to protecting the life safety of the public with a structurally sound built environment. Is that enough? For some yes but perhaps from others you'd like to do more.

Mentioned in my President's message in the [November newsletter](#), was the opportunity for our profession to inform society that there's a need to provide structures that are designed beyond the minimum building code life safety provisions so that we can have a community that is resilient. What does that mean? It means that the general public is unaware that buildings are not designed to be earthquake proof and that structures designed per the current building code allow the occupants to exit the building during an earthquake but the building will probably suffer damages that would not allow it to be re-occupied. Is that enough? Should structural engineers do more to **support** society?

For those of you who were unable to attend the SEAOSC Summit on November 4th and 5th in Los Angeles, the [SEAOSC Summit Steering Committee](#) chaired by Victoria Wigle and Annie Kao with the **support** of John Bwarie and BSC Management really should be congratulated for organizing an event that was a huge success. This was a result of a very dedicated group of people working together as a team to orchestrate the event which highlighted relevant topics related to seismic retrofit presented by very knowledgeable speakers. Included in the program were panel presentations by SEAOSC [Seismology](#) and [Existing Buildings Committees](#), led by Daniel Zepeda and Jesse Karns respectively, showcasing the committees work on design examples to address the [LA Ordinances](#) that include non-ductile concrete buildings and wood-framed multi-unit and/or multi-story, soft-story buildings that exhibit poor seismic performance during earthquakes. The event raised the bar on all future events and was a huge achievement for SEAOSC. Thank you SEAOSC Summit Steering Committee!

Not to be overshadowed by the SEAOSC Summit, the [Disaster Emergency Services Committee](#) and [Image and PR Committee](#) led by Doug Litchfield and Samuel Mengel-

koch respectively, represented SEAOSC at the Annual [Disaster Preparedness Academy hosted by the Red Cross](#) on October 28th in Anaheim. They provided attendees with presentations on Seismic Safety of Buildings and informed them about the resources and benefits associated with SEAOSC. We should all thank them for their efforts!

Without a doubt we cannot forget the [Education Committee](#) chaired by Tim Kaucher. This committee represents the masterminds behind all the programs for the dinner meetings, webinars, and winter and spring education. SEAOSC members benefit tremendously from their understanding of the current needs of structural engineers, the meeting topics that address these needs and which industry experts are qualified to present these topics. **INTERESTED** in participating in the **EDUCATION COMMITTEE?** Contact [seaosc@seaosc.org](mailto:seaosc@seaosc.org)

Whenever the [SEAOSC Committees](#) do any outreach to the public, they are not only representing SEAOSC but the structural engineering community. The men and women of these committees should all be thanked for their dedication to the association to improving our profession. These are people that don't sit back and ask what SEAOSC can do for them, but what they can do for SEAOSC. I know that sounds cliché but it is so very true. What they put into the association, they typically get back tenfold. Not only do they see the fruits of their efforts from the event (the presentation, or whatever they have organized) but they also gain a great deal from the camaraderie and **support** of working with their peers, hearing the feedback from those who were the recipients of their efforts and the self-gratification of knowing that they contributed to our engineering community in some way.

### Get Involved unteer

If you have the desire to be a part of SEAOSC, in any way – big or small, please check out the SEAOSC [Committee webpage](#) and [contact the Committee Chairs](#) or email SEAOSC at [seaosc@seaosc.org](mailto:seaosc@seaosc.org)

Lastly, I would like to wish all of you a very happy holiday. I hope that you are able to spend some quality time with those you love and cherish. **HAPPY THANKSGIVING!!!**

Similar to last month, in order to encourage people to actually read the President's message I am starting a raffle. To enter the raffle to **WIN a STARBUCKS Gift card** or an **AWC Electronic publication**, please follow this link to a [survey](#) and answer questions about the President's message. Two winners will be chosen from those that complete the survey.

**WINNERS** from the November Newsletter are (yes there actually are winners!):  
**Kelly Weldon – Nabih Youssef Associates**  
**Garrett Mills – Taylor & Syfan Consulting Engineers**

Have an Extraordinary Day and [Dream!](#)

**Michelle Kam-Biron, S.E., S.E.C.B.**  
**SEAOSC President**



Association Management & Conference Planning

The BSC Management Team looks forward to working with SEAOSC members and directors in our mutual effort to improve member benefits and increase the positive impact of the association on the structural engineering profession and Southern California communities.

## BSC Staff Profiles

In the upcoming issues of SEAOSC News, we will be introducing our team members to you so that you know who is working hard behind the scenes to publish the newsletter, produce the events, serve the membership and so much more. This month, we'd like to highlight Diana Munoz, our Project Coordinator and Christine Sass, our Meeting Planner.

### **Diana Muñoz** *Project Coordinator*



- ▶ Administrative support for the Association
- ▶ Coordinates SEAOSC Newsletters
- ▶ Gathers and prepares Board related materials

### **Christine Sass** *Meeting Planner*



- ▶ Manages and oversees meeting planning for all SEAOSC meetings (e.g. all details and logistics)
- ▶ Main point of contact for events

You'll see Diana and Christine at many of the SEAOSC events. In upcoming issues of the newsletter, we will be introducing additional members of the BSC team.



**Welcome New Members ▶ September 2015**

**Affiliate Member**

**Michael DeSafey**

Webuild, Lincoln, CA  
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**Associate**

**Jennifer Cheng**

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**Andy Tran**

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**Member**

**Mario Cardona**

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**David Williams**

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**Daniella Castro**

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**Matthew Michnewich**

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**Leonard Kim**

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**Eric Newman**

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**Member SE**

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**Matthew Wexler**

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**Benjamin Varela**

WORKPOINT Engineering, Santa Monica, CA  
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**Students**

California Polytechnic State University, Pomona, CA  
California Polytechnic State University, San Luis Obispo, CA  
California State University, Fullerton, Fullerton, CA  
California State University, Los Angeles, Los Angeles, CA  
University of California San Diego, La Jolla, CA  
University of Southern California, Los Angeles, CA  
Purdue University, West Lafayette, IN  
Florida Atlantic University, Boca Raton, FL  
University of Connecticut, Storrs, CT

**Young Associate**

**Patryk Kozan**

Partner Engineering and Science, Torrance, CA  
Patryk.pk.kozan@gmail.com

**Kerry Regan**

Risha Engineering, Burbank, CA  
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**Brett Cates**

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**Christian Hall**

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# Structural Engineers Association OF SOUTHERN CALIFORNIA

2015 NEW  
MEMBERS

## Welcome New Members ► October 2015

### Affiliate

#### Jason Goff

Langan Engineering and Environmental Services, Irvine, CA  
jgoff@langan.com

#### Khaled Kator

LADWP, Los Angeles, CA  
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#### Gigi Bronstrup

Foundation Technology, Valencia, CA  
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### Young Associate

#### Saurabh Prasad

Englekirk Structural Engineers, Los Angeles, CA  
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### Associate

#### Collin Krahe

Brandow & Johnston, Inc., Los Angeles, CA  
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#### Seyed Mohammad Seyed Ardakani

Englekirk Structural Engineers, Santa Ana, CA  
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### Member SE

#### David Choi

David Choi and Associates, Inc., Long Beach, CA  
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### Students

California Polytechnic State University, San Luis Obispo, CA  
California State University Long Beach, Long Beach, CA  
California State University Northridge, Northridge, CA  
University of California, San Diego, La Jolla, CA  
University of Southern California, Los Angeles, CA

#### Steve Bluhm

Bluhm Engineering, Inc., Bakersfield, CA  
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Encourage your colleagues  
to join SEAOSC!  
<http://seaosc.org/join-seaosc>

November 4-5th, 2015 SEAOSC Summit



11300 W. Olympic Blvd, Los Angeles, CA 90064

T: (562) 908-6131 • F: (562) 692-3425

seaosc@seaosc.org • www.seaosc.org



# Structural Engineers Association OF SOUTHERN CALIFORNIA

## PETER EHLEN OBITUARY



**Peter Weller Ehlen**  
*Jan. 5, 1933 – Oct. 1, 2015*

Peter W. Ehlen, beloved husband, father, respected Santa Barbara Structural Engineer and esteemed watercolor artist, passed away peacefully on Oct. 1, 2015 with his wife Jean Clarke Ehlen and immediate family at his bedside. Peter had been courageously navigating his gradual decline from Parkinson's Disease with Lewy Body Dementia. During his illness he never complained and was always smiling and thankful.

Peter was the only child born to John Henry Ehlen and Paula Weller Ehlen in Pasadena on Jan. 5, 1933. He grew up in Pasadena but made many trips over the summer months to the Midwest to visit cousins and to Orange, California to visit his paternal Grandparents and cousins and the legendary Ehlen and Grote mercantile store started by his Grandfather. During his youth, Peter was a member of the Pasadena Boy's Choir and was chosen from 200 boys for a 20-boy choir that sang with the San Francisco Grand Opera Company in a production of "Boris Godounoff" in the Shrine Auditorium in Los Angeles. He also sang in "La Boheme" and "Carmen" at the age of 12. He was in school leadership and lettered in football and track in both Jr. High and High School. He envisioned starting his college career in Architecture at UC Berkeley but changed course to major in Civil Engineering when given the opportunity to attend Stanford University. Graduating from Stanford in 1955 in Civil Engineering, Peter then spent two years in Anchorage, Alaska as a private in the Army and was newlywed. After his service he and his wife moved to Santa Barbara and started a family. He was blessed with three children, Pete, Mark and Alison.

Peter leaves a strong structural engineering legacy in the City of Santa Barbara. Many of the Santa Barbara engineers currently in practice today worked for him and benefited from his mentorship and generosity. He began his career working for Don Shugart and Stan Mendes as well as being lead engineer at Arendt Mosher Grant Architects. In 1963 he returned to Stanford to pursue a Master's degree in their new Structural Engineering program. Upon graduation he returned to Santa Barbara with his young family and opened his own structural

engineering practice in 1966. The office and legacy continues to this day at 1119 Garden Street as Ehlen, Spiess & Haight, Inc. He will be remembered for his professional one-liners as well as the invention of the "System 1000" drafting system.

Peter was inspired by the natural beauty of our local environment and appreciated the history of Santa Barbara and the many historically significant buildings that are our treasured and protected structures. Being an avid enthusiast of California history Peter loved to visit the Museum of Natural History and the Santa Barbara Historical Museum. He also appreciated the walking paths and beauty of the Santa Barbara Botanic Garden. With a keen eye for the beauty in older buildings, Peter joined the Victoria Street Group (Bill Mahan, Ed Lenvik, Fred Sweeney, Jack Dewey), a small group of Santa Barbarans who painted every Saturday and exhibited their work at shows. Many of Peter's paintings hang in private collections as well as the Santa Barbara Biltmore Hotel.

Peter loved listening to Handel's Messiah, cutting the grass while smoking a cigar, overnight hikes to Forebush Flat, riding his bicycle, buying a new bicycle, chocolate, The Awhanee Lodge at Yosemite, The Copper Coffeepot, Casa Blanca Restaurant, train rides, running, sailing, teasing architects, selling paintings, geology and the mystery of earthquakes.

Peter loved to sail on "Wet Wednesdays" with long time friends Tom and Nancy Bollay. This friendship included trips from running the Bay to Breakers race in San Francisco to masterfully building creations for the yearly sand castle contest on East Beach (making sure that the castles were structurally sound). They traveled to Italy and gained new inspiration for painting.

Week #6 at Stanford Sierra Camp on Fallen Leaf Lake near Lake Tahoe was an annual family tradition beginning when his children were young to years spent with his adult children and grandchildren. This will be forever a special place in all of his children and grandchildren's hearts who were able to enjoy the magic of that week with their Grandpa.

During his children's high school and college years, Peter was a supportive fan of all of their sporting events becoming a driver for many of his daughter Alison's track team members for meets out of town. He visited their colleges and took great pride in his three children's professional lives that would unfold after college graduation. He always made an effort to see his children at least once a year, no matter where they lived.

In September of 2000, Peter married his beloved Jean Clarke in a beautiful ceremony in the courtyard of the Covarrubias Adobe surrounded by their closest family and friends. This marked the beginning of a time of great happiness and travel, shared watercolor painting interest, CAMA concerts and the welcoming of new family members and grandchildren. Thanks go to mutual friends Mary Jean and John Van Dyke for setting them up on a blind date.

Peter will be missed by his loving wife Jean, his son Pete (Vicki) Ehlen and their children Ryan, Heather and Nick; son Mark Ehlen of Albuquerque and his children Forrest and Madison; and daughter Alison Galindo and her children Nico and Kenny. He is also survived by Jean's family - Martin (Jennifer) Clarke and new baby Kaia, Teresa (Jeff) Polito and their children Ryan, Rachel, Lauren and Nicole. We will always think of Peter whenever we enjoy chocolate, train rides or family barbecues. He was happiest surrounded by gatherings of friends, family, laughter and conversation. Peter has many friends and associates who will miss him and remember what a kind, fair, positive friend and role model he was to all.

A Celebration of Peter's life will be announced at a later date.



# 3-2-1 Blastoff!



## Westminster Elementary Engineering for Kids Program Successfully Launched



Through a generous seed grant from the Structural Engineering Association of Southern California (SEAOSC), Westminster Elementary successfully launched the first 8-week session of its new Engineering for Kids (EFK) after-school enrichment program this Fall. In the first 2 workshops, students were introduced to aerospace engineering concepts through hands-on activities, including building their own model rockets. All the students were actively engaged and excited to answer questions, observe demonstrations, and most of all, test out their new rocket designs! Future workshops will explore the engineering behind skyscrapers, columns, bridges, and roads through hands on design and construction activities.

Aligned with Westminster’s mission as a Math & Technology Magnet school, its new EFK program is aimed at introducing young students to science, technology, engineering and math through a variety of fun and engaging methods. By introducing the EFK program at the Kindergarten level, when children’s curiosity and imagination are at an all time high, Westminster hopes to inspire its young students to consider engineering not only as a possible career path but as a way to learn valuable problem solving skills that they can apply to all aspects of life. If the first two workshops are any indication, the EFK program is off to a roaring start!



With a high percentage of Westminster’s students qualifying for the free or reduced lunch program, donations from SEAOSC, engineering firms, and individuals afforded over half the students participating in the initial 8-week session the opportunity to enroll in the EFK program at a free or reduced tuition rate. To ensure that all students who want to participate in future sessions without regard to their ability to pay, Westminster continues to seek donations to fund and expand the EFK program to more students and grade levels.

You can help by spreading the word and encouraging any engineering, architecture, or design firms and/or associations you know to make a tax-deductible donation to Westminster Avenue Elementary School, 1010 Abbot Kinney Blvd., Venice, CA 90291. (All checks should include “EFK Program” in the memo line.) Thank you!



## SEAOSC ORANGE COUNTY DINNER MEETING



SEAOSC held its Orange County dinner meeting on October 28, 2015, at the Oak Creek Golf Club in Irvine, CA. The meeting started with a 1-1/2 hour networking/social hour outside on the patio, watching the sun set on a beautiful California evening, surrounded by 17 exhibitors who helped keep the evening informative for our members and guests, by showing their products and services. The Social Hour was followed by a delicious Mexican Food buffet, where the guests retreated into the clubhouse to dine and listen to our panel discussion, with dessert served during the discussion.

Our panel discussion was composed of four representatives from a variety of local contractors, who discussed the relationship that exists between the structural engineer and contractor, and what we can do better as engineers to help keep a project moving forward. Discussion topics included how we as engineers can better respond to RFIs, how engineers can better prepare the structural drawings to meet the needs of the project, and communication hurdles between the design team, general contractor, and sub-contractors. The panel included Ian Gardiner (R.D. Olson), Betty Lynn Senes (C.W. Driver), Steven Saunders (Saunders Commercial Seismic Retrofit), and Fred Hovenier (Lawrence Hovenier Framing), and was moderated by Sandra Biddulph (DCI Engineers).

The event would not have been possible without the sponsorship from our 17 exhibitors, who also helped distribute tickets to the event to many local engineers. We would also like to thank everyone who attended the event, and we hope to provide future Orange County dinner meetings to our members.

*Todd Brown*  
Event Chair

## RED CROSS EARTHQUAKE PREPAREDNESS ACADEMY

*The following sessions were conducted by SEAOSC members at this recent event.*

### **Seismic Safety Track**

#### **Don't Come Knocking When This House is Rockin'!**

*Matt Stocking, Branch Engineer, Simpson Strong-Tie Company, Riverside, Calif.*

This session addressed how to prepare for an earthquake from retrofitting a home or business, to securing its contents. The session shared information from recent earthquakes from Northridge to Napa, and covered how the QuakeSmart initiative can help everyone identify risks, make a plan and take action. This training is helpful to everyone for learning how to reduce the potential of earthquake damages, injuries, and financial losses and create more resilient homes and workspaces.

#### **What are My Building's Vulnerabilities?**

*Doug Litchfield, PE, CEM,*

In Doug's presentation, he explored the inside secrets of the vulnerabilities of the various building types as seen through the eyes of a structural engineer, including what to look out for and why -everything from wood-frame homes to steel moment frame high rises. Remedies to these vulnerabilities were outlined with retrofits, resources that are available and public policies that are on the horizon. Attendees were entertained while being educated about hazards that exist around us and provided the information to address these dangers. An ounce of prevention is worth a pound of cure.

#### **Resilience by Design: A Structural Engineering Perspective**

*David Cocke, S.E., F. SEI, F. ASCE, Structural Focus,*

*Samuel Mengelkoch, S.E., Structural Focus, .*

In their 2014 document Resilience by Design, Mayor Eric Garcetti and City of Los Angeles Science Advisor for Seismic Safety Dr. Lucy Jones detailed proposed policies to ensure L.A. and other Southern California cities stay viable and healthy after future major earthquakes. This session presented an engineer's perspective of what adjustments and retrofits to various building types are necessary for resilient communities. This included a discussion of the "soft story" apartment building problem, the proposed policy to correct it, and what business owners can do now to expedite the recovery process and keep tenants in their homes.







# Structural Engineers Association OF SOUTHERN CALIFORNIA

## LA Dinner Meeting

*Drift Joints, Drift Tracks, Drift Clips...*

*Are They Really Improving the Performance of Exterior Facades?*

***December 02, 2015***

**Location:** Luminarias, 3500 Ramona Blvd., Monterey Park, CA 91754

**Time:** Networking and Cash Bar: 5:30 pm – 6:30 pm  
Dinner: 6:30 pm

**Cost:** Members and Guests: \$35  
Walk-ins: \$45  
Table Reservation: \$245



**Kirsten Zeydel, S.E.**

President of ZO Consulting, Inc.  
Structural Consultant at S. K. Ghosh Associates Inc.

Many projects in Southern California use Drift Joints or Drift Tracks/Clips in cold-formed steel framing to address the expected lateral drifts of the building structure. The intent is that they reduce the damage to the exterior façade components but are they really working? Are we designing and detailing them correctly? This presentation will explore the latest framing techniques, study when they work best, and the problems that arise from their use.

Kirsten Zeydel is a licensed Structural Engineer in California with over sixteen years of experience in the design of cold-formed steel framing. She has led the structural design of both exterior and interior non-load-bearing cold-formed framing in addition to the structural design of load-bearing cold-formed steel buildings up to 5-stories in height. She has successfully taken many projects through the rigorous California Office of Statewide Health Planning and Development (OSHDP) and the California Division of the State Architect (DSA).

Kirsten has given various in-person seminars to engineers, contractors, architects, owners, and college students. She has recently presented at the 2015 NCSEA Summit, the 2015 SEAOC Convention, and the 2015 Northwest SEA Conference. She has also given webinars for SEAOSC and S. K. Ghosh Associates. One of her favorite things is presenting to K-12 students to introduce them to the field of structural engineering.

For more information and to register please visit [www.seaosc.org](http://www.seaosc.org)



**Structural Engineers Association**  
OF SOUTHERN CALIFORNIA



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

Wednesday, December 16, 2015

at Parker's Lighthouse

435 Shoreline Village Drive, Long Beach, CA 90802



This year's event will include cocktails, dinner, and a "50/50" raffle to benefit the upcoming Students Night scholarships.

Social Hour: 6 – 7pm

Dinner: 7pm

Entrée Options: Petite Fillet or Mahi Mahi

Attire: Holiday Semi-Formal

Price: \$85 per General Member/Guest

\$35 per Young Professional/Guest\*

Parking is included.

Exclusive Sponsor



\* Associate, Young Associate & Student Members of SEAOSC.

Young Professionals Discount sponsored by CSI.

Register now at [www.seaoscholidayparty.eventbrite.com](http://www.seaoscholidayparty.eventbrite.com)

Advanced reservations required by Friday, December 11, 2015

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

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# LA Dinner Meeting

*January 6, 2016*

*AltaSea - a world class urban marine research  
and innovation center at the Port of Los Angeles*

**Location:** Luminarias, 3500 Ramona Blvd., Monterey Park, CA 91754

**Time:** Networking and Cash Bar: 5:30 pm – 6:30 pm  
Dinner: 6:30 pm

**Cost:** Members and Guests: \$35  
Walk-ins: \$45  
Table Reservation: \$245

## Topic

AltaSea is a 35 acre site dedicated to the marine science research of a consortium of local universities and private partners. Situated in the heart of the Port of Los Angeles, AltaSea is a multi-phased endeavor to transform the existing Dock 1 and its historic structures into a world class research and education center. This public private partnership will bring together cross disciplinary scientists from more than twenty entities including universities, local museums and aquariums, as well as the city itself.

Holmes Culley will be presenting the structural work involved in this project: from the seismic retrofit of the existing warehouse transit shed, dating from 1923 to the design of a new Interpretive Center that showcases a free form architecture and connection to the ocean. The site will also include a 230 feet observation tower, made of curved HSS facade.

Schematic Design of Phase 1 has been completed - The presentation will focus on the challenges and innovation necessary to meet the core project goals.

For more information visit [www.AltaSea.org](http://www.AltaSea.org)

## Presenters



### **Jared Ellis, SE**

Jared Ellis is a Senior Engineer at Holmes Culley, based in San Francisco. Jared takes responsibility for much of the analysis, detailing, and construction administration on his projects. He joined the Holmes Culley bringing significant experience in mid and high-rise new construction throughout California including Sony Corporate Headquarters and UCSD Jacobs Medical Center. He is a strong advocate for thoughtful and efficient design solutions. He works with design teams to find efficiencies that can impact the project as well as areas that can assist in the integration of sustainable practices. Jared has experience in all building types and sizes from residential to healthcare facilities.



### **Bill Tremayne, SE**

Bill Tremayne is a Principal & Technical Director at Holmes Culley, based in San Francisco. With over 14 years of experience, he leads the firm's practice of performance based engineering, which they have successfully applied to numerous seismic evaluation, retrofit and new building projects in the US and New Zealand. Bill is an ongoing contributor to the development of ASCE 41 and next-generation guidelines, including the ATC-114 project.



### **Nina Mahjoub, PE**

Nina Mahjoub is a Senior Engineer at Holmes Culley and is leading the Los Angeles office. She is experienced in a variety of new building construction projects and seismic strengthening of existing structures. She recently completed the seismic retrofit of 140 New Montgomery in SF, one of the tallest historic preservation seismic retrofits. She holds her Bachelor in Civil Engineering from UCLA and her Master of Engineering in High Performance Structures from MIT. She has over 7 years of experience with a career starting in New York City.

*For more information and to register, please visit [www.seaosc.org](http://www.seaosc.org)*



# Tri-County Meeting

*January 12, 2016*

## *Roof Drainage: Not my problem.... Maybe*

**Location:** Radisson, 3455 Skyway Drive,  
Santa Maria , CA 93455

**Time:** Networking and Cash Bar: 5pm – 6pm  
Dinner: 6:00pm  
Presentation: 7:00pm

**Cost:** Members and Guests: \$35  
Walk-ins: \$45  
Table Reservation: \$245  
Students: \$25

### PRESENTER



#### **John Lawson**

John Lawson is a licensed Structural Engineer in California and Arizona and has overseen the design of over 100 million square feet of low-slope roof systems. He has a Masters degree in Structural Engineer from Stanford University, and a Bachelors in Architectural Engineering from Cal Poly San Luis Obispo, where he is currently a tenure-track professor.

Mr. Lawson is also a Structural Specialist in FEMA's Urban Search & Rescue program, with special training in collapsed structures, and has been deployed to earthquakes, hurricanes, and the Oklahoma City Bombing.

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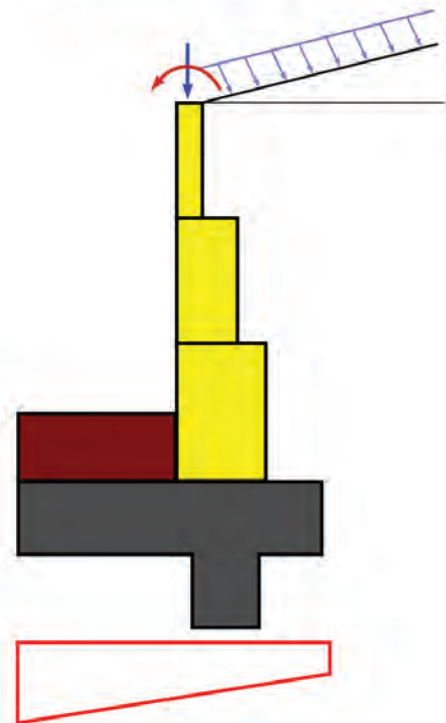
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# Structural Engineers Association OF SOUTHERN CALIFORNIA

## COMMITTEE LEADERS

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**July 1, 2015 - June 30, 2016**

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

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#### SEAOSC Executive Director

Jenay Root  
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562-908-6131 ext.127

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

Committees	*Board Contact Chair & Vice-Chairs	Phone	Email
<b>Membership</b>	Victoria Wigle* Kelsey Parolini	310-665-0010 805-439-2110	vwigle@thorntontomasetti.com kelsey@smithstructural.com
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<b>Building Codes &amp; Stds.</b>	Jeff Ellis* Carl Sramek	714-738-2029 562-799-6010	jellis@strongtie.com sramekca@aol.com
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<b>Sustainable Design</b>	Jeff Haight*	805-963-1210	jhaight@eshse.com
<b>EPRS Ad Hoc</b>	Leo Torres	818-844-1969	torres@kcse.com

*Please visit*

<http://seaosc.org/about-structural-engineering/committees>

*to view the annual committee charges and tasks.*

