



Nominees for 2016-2017 Board Announced by Nomination Committee

The SEAOSC Nominating Committee, chaired by Senior Past President Doug Thompson, has announced the following slate of nominations for the 2016-2017 Board of Directors:

Treasurer: Mehran Pourzanjani

Directors:

- Matt Barnard
- Sandra Biddulph
- Josh Gebelien
- Jackie Vinkler

Officers for 2016-2017, according to succession procedure, will be Jeff Ellis, S.E., President, and Robert Lyons, S.E., President-Elect. Michelle Kam-Biron, S.E. will continue to serve on the board of directors as the Immediate Past President. Also continuing on the board of directors will be Lorena Arce, P.E., Todd Brown, S.E., Jeffrey Haight, S.E., Victoria Wigle, S.E. Additional nominations for the office of President-Elect, Treasurer or Director may be submitted by the membership to the Nominations Committee Chair, Doug Thompson, doug@stbse.com by the **March 2nd** meeting in accordance with procedures outlined in the SEAOSC Bylaws Article VI, Section 2. To allow sufficient time, the deadline for submitting additional nominees is extended to March 30, 2016. The committee's nominees and any additional will be presented to the membership at the April 6th general meeting.

Voting will begin in early May 2016 by Constant Contact email announcement and reply. Election results will be announced at the June 1, 2016 dinner meeting. The newly elected directors will take office July 1, 2016 for a two-year term.

Thank you to the following members of the Nominations Committee who selected nominees in accordance with procedures outlined in the Bylaws Article VI, Section 1:

- Jeff Ellis
- Colin Kumabe
- Tom Harris
- Robert Lyons
- Diana Nishi
- Kevin O'Connell
- Doug Thompson
- Ryan Smith

The SEAOSC Bylaws are posted [here](#).

View nominee biographies on page 5.

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SAVE THE DATE!

MARCH

2 LA Dinner Meeting

Luminarias, Monterey Park

11 YM Joint Social with ASCE
OC YMF & SEI OCC

Golden Road Brewing, Anaheim

15 Webinar

APRIL

6 LA Dinner Meeting

Luminarias, Monterey Park

20 OC Dinner Meeting

Wyndham, Irvine



Michelle Kam-Biron, SE, SECB

Many of you are aware that at just before 04:00 local time on Saturday (20:00 GMT Friday) February 6th, when most people were at home asleep, a M6.4 earthquake struck in the south Taiwanese city of Tainan. Although it's too soon to know the full extent of the damage throughout the city, one building that has been in the news is the collapsed 17 story Weiguan Golden Dragon tower apartment complex where over 114 people have died and housed an estimated 300 people. [Drone footage](#) from the immediate aftermath of the earthquake showed the tower transformed into rubble. SEAOSC extends our sympathy to the family and friends who have lost someone as a result of this earthquake and pray for the safety of those who are providing rescue and relief work as they continue to search for survivors.

A CNN article, "[Taiwan earthquake; Search ends as death toll reaches 116](#)", by Tiffany Ap, stated that three people, all former executives of the company that built the collapsed apartment building, were [arrested Tuesday](#) and face charges of professional negligence resulting in death. It's too soon to determine what exactly went wrong but there are reports of what appears to be questionable construction such as the use of cooking oil cans as fillers in the concrete floor. Hopefully there will be a formal investigation to find out why the Weiguan Golden Dragon tower failed.

When something like this does occur, it does make one contemplate, what could have gone wrong? Was the structural design correct? Were the building codes adequate enough? Was it built according to the structural drawings? Were there special inspections or structural observations? Was it plan checked correctly? SEAOSC Existing Building Committee Chair, Daniel Zepeda, left for Taiwan with a reconnaissance team last week and perhaps when he returns he can provide us with more information. His trip has been coordinated through the Earthquake Engineering Research Institute (EERI). For current and timely information about the earthquake, including links to the [USGS event page](#), World Housing reports, media reports, and information from colleagues in the region, EERI has created an [EERI event page in the LFE archive](#).

LA Times reporters Rosanna Xia and Rong-Gong Lin II who have provided continual coverage of the news related to the LA Ordinances, wrote an article, "[Taiwan earthquake: Destruction a grim reminder of dangers for California, experts say](#)", which compares what happen in Taiwan to what could happen in LA. Is it possible that one of the high-rise buildings in Los Angeles could collapse as a result of an earthquake? According to the article, Taiwan generally has been following the same building standards as California. It does make one ponder, are we doing enough? Could we do more? I mentioned in the [December newsletter](#) that as structural engineers we know that buildings designed per the mandated building code and standards are not designed to be earthquake proof and that the general public may think otherwise. It's not until there's a structural failure that the general public is reminded about what a structural engineers does. How can we as an association be proactive in educating the general public that even for buildings designed to the current codes many may not be re-occupied after an earthquake? Do the current building codes design criteria provide a level of performance that provides collapse prevention? How can the building codes be changed so that the structure will be designed beyond collapse prevention and allow the public to reoccupy the buildings after an earthquake?

"Keep away from people who belittle your ambitions. Small people always do that, but the really great make you feel that you, too, can become great." --Mark Twain

There are tools available that provide guidance on designing to certain levels of seismic performance. How many of you have heard of [Seismic Performance Assessment of Buildings FEMA P-58](#)? It provides a methodology for conducting and guidance for implementation for seismic performance assessment of individual buildings that properly accounts for uncertainty in our ability to accurately predict response, and communicates performance in ways that better relate to the decision-making needs of stakeholders. The seismic performance of a building is expressed as the probable damage and resulting consequences of a building's response to earthquake shaking. The consequences, or impacts, resulting from earthquake damage considered in the methodology are: casualties, repair cost, repair time and unsafe placarding. It looks like this methodology will



be discussing this and how we can provide resources to our membership to learn more about it.

Mentioned in the [February newsletter](#), President –elect Jeff Ellis and I met with [California Building Officials \(CALBO\)](#) Vice President Ron Takiguchi to start the dialog about how our two associations can work together. CALBO is a non-profit corporation dedicated to promoting public health and safety in building construction through responsible legislation, education, and building code development. Their membership consists of building official leaders many of which who are active in the building code development arena. Perhaps with the continued discussions with CALBO we can build a bridge between the two associations to generate some common grounds where our two associations can work together and just maybe. . . perhaps this is wishful thinking, we can change the codes so that it mandates more than just collapse prevention. Until then, we as structural engineers need to continually inform our clients that there are other options to designing a building than just per the current building codes, there's performance based design. As an association, we can also work together to determine through consensus of our membership, what level of performance to provide so that we may build resilience into our community.

"Two roads diverged in a wood, and I ... I took the one less traveled by, and that has made all the difference." --Robert Frost

The collapse of the Weiguan Golden Dragon tower apartment complex, showed once again how vulnerable buildings are and that we need to think in terms of communities rather than individual buildings. If one building is designed and built to code and is structural sound, yet the building next to it is not, what can happen? If one building is seismically retrofitted but the building next door is not, what can happen? This was pretty evident from the Napa earthquake, where buildings that showed no structural issues were red tagged because the building next door was not structurally sound and could possibly collapse onto it. Thus, making the building that had no damage, unoccupiable. So rather than thinking about just the individual buildings, we need to think of the building stock as a community and creating resilience into the community. As a structural engineering profession we should be educating the public about this issue to inform them that there are solutions to this risk.

If you haven't heard yet, on February 2nd President Obama signed an Executive Order: [Establishing a Federal Earthquake Risk Management Standard](#) For buildings that are owned, leased, financed, or regulated by the Federal Government, the Executive Order states, "The Federal Government recognizes that building codes and standards primarily focus on ensuring minimum acceptable levels of earthquake safety for preserving the lives of building occupants. To achieve true resilience against earthquakes, however, new and existing buildings may need to exceed those codes and standards to ensure, for example, that the buildings can continue to perform their essential functions following future earthquakes. Agencies are thus encouraged to consider going beyond the codes and standards set out in this order to ensure that buildings are fully earthquake resilient." Although it falls short of mandating that the buildings be designed to a higher level of performance than the 2015 IBC for new buildings, at least this starts the conversation about building a resilient community. And perhaps when Performance Based Design using the methodology of P-58 is included in ASCE 7 we'll be able to have the tools to provide a more resilient community.

"If you do what you've always done, you'll get what you've always gotten." –Tony Robbins

LADBS will soon be sending out courtesy letters to building owners of an estimated 13,500 existing wood-frame buildings with soft, weak, or open-front walls and 1,500 existing non-ductile concrete buildings, who will be required to evaluate and most likely seismically retrofit their buildings. As a resource to building owners, in my President's message of the [September newsletter](#), I mentioned the City of Los Angeles Department of Building and Safety (LADBS) will be providing a link on their website to the [SEAOSC Membership engineering listing](#). This listing is a benefit to members only and provides contact information and highlights the type of services a member provides. This will provide a great resource for those who will be seeking to hire an engineer.

Many of you have probably seen the headline news regarding two people that are accused of providing structural engineering services in Southern California for numerous projects without a Civil or Structural license. Two articles by Malia Zimmerman



published on February 9th, “Hundreds of California homes, buildings used plans drafted by 2 phony engineers, say authorities” and by Larry Altman, “Deputies say engineering fraud might have created hundreds of unsafe homes” question the safety of the buildings and state that they were using stolen engineering stamps. As to whether or not the buildings are structurally inadequate, that remains to be seen. However providing structural engineering services by someone that does not have a license to practice engineering is wrong. So the question is, how does one protect themselves from fraud? This isn't the first case where someone has stolen and used the electronic stamp of another licensed engineer and anyone can purchase a rubber stamp. This is a topic of discussion at the SEAOC Board level and the NCSEA Board level. What do firms do to protect themselves?

As a preventative measure, we should inform consumers that they can verify an engineer's license via the [State of California Board for Professional Engineers and Land Surveyors \(BPELSG\) website](#). Also, BPELSG has a [Consumer guide](#) for hiring an engineer. Attending the annual **Student Scholarship Awards Night** is something that everyone should experience. Especially if you've been out of college for some time like I have. Pre-empting the Student Scholarship Awards Night was the Job Fair that featured table top exhibits of 16 structural engineering firms and building product representatives for students to visit throughout the networking time. It was refreshing to see all the excited students who waited in lines at the firm's table tops, all in anticipation for the opportunity to meet with each of the firm's representatives. The highlight of the evening was a presentation by Tom Sabol, Ph.D., S.E. Principal at Englekirk Structural Engineers who spoke about designing the Getty Center and provided some historical perspective on the challenges with design of such a high profile complex, including the fact that the Northridge Earthquake shook all of Southern California during the project's construction. Capping off the evening was the awarding of six scholarships to the following students: Ricky J Carrillo - Cal Baptist University, Emily Yu - Cal Poly Pomona, Anthony Keshishian - Cal Poly SLO, Kate Cuddington - Cal Poly SLO, Candice Chong - CSU Long Beach, and Manfred Kissling - Loyola Marymount University.

Congratulations! I want to thank the **Younger Members Committee** lead by Nathan Jo and Paul St. Pierre who spearheaded this very successful event. Not only were they involved with organizing the event but they did all the outreach for the scholarship donations, table top exhibitors and to the Universities for the scholarship competition. Many thanks!!! On that note: we are looking for people to help Chair the Younger Members Committee next year and if you are interested in the position or just want to get involved in the committee here's a link to their [Mission and Charges](#) and you can contact [Nathan or Paul](#).

Lastly, the SEAOSC Board is working on behalf of our members to continue to provide value to your membership. **Keep an eye out for future e-blasts from SEAOSC because there will be some announcements of some very important opportunities and events for the SEAOSC membership.** I hope to see you at the next [SEAOSC Dinner meeting on March 2nd](#) which features Arup's Associate Principal, Bruce Danziger who will be presenting on the challenges between senior engineers and junior engineers regarding the use of computer models. It should be one that will encourage some great conversations between young and old!

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

Michelle Kam-Biron, SE, SECB

SEAOSC President

2016-2017

SEAOSC Board Nominees

Treasurer



Mehran Pourzanjani , SE , Principal - Saiful/Bouquet Structural Engineers

Mehran Pourzanjani is a Principal, of Saiful/Bouquet Structural Engineers. He has over 30 years of experience in designing buildings. His experience spans a wide spectrum of structures varying from institutional and public projects to healthcare, regional malls, high rise structures, and evaluation and strengthening of existing structures. Mr. Pourzanjani is the past president of the SEAOC Seismology Committee and continues to serve on that committee. Additionally he is currently serving on the SEAOC Standards, and the SEAOC Evaluation Services Committees as well as, ACI 318H, Seismic Provisions subcommittee. Mr. Pourzanjani has participated in university research through codification for the design and seismic performance of concrete elements and also served on the "PEER Tall Buildings Initiative" task group towards developing guidelines for the seismic analysis of tall buildings.

Directors



Matt Barnard, SE, Principal - Degenkolb Engineers

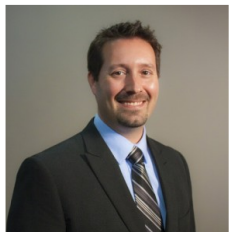
Matt Barnard is a Principal in the Los Angeles office of Degenkolb Engineers. Matt has a M.S. in Structural Engineering from the University of Illinois, Urbana-Champaign and is a licensed Civil Engineer and Structural Engineer in California. His experience includes new design, alternations, tenant improvements and retrofits for healthcare, higher education, and civic facilities.

Matt is a Los Angeles Affiliate Board Member and active mentor of ACE Mentoring and was named an National Outstanding Mentor in 2015. Matt is also a member of the national Guidelines Committee for the Council of American Structural Engineers, a member of the Technical Advisory Committee for the US Resiliency Council, and a past subcommittee chair for SEAOSC Buildings at Risk Summit. He is a disaster service worker volunteer through the California OES Safety Assessment Program. Matt also serves as a member of the part-time faculty for California State University, Fullerton.



Sandra Biddulph, SE – Principal DCI Engineers, Irvine

A California native, Sandra has been practicing Structural Engineering for over 25 years on the west coast, and is a Principal at DCI Engineers' Irvine office. Since joining the company, Sandra has been an integral addition to the DCI team. She brings an abundance of knowledge on a wide array of building types, design techniques, and an impressive understanding of codes and regulations. Sandra appreciates the art of structural design; watching a project come together, from the initial project conception through construction administration, with a tangible finished product that becomes a part of our built environment. Sandra earned her Bachelor of Science in Architectural Engineering from Cal Poly, San Luis Obispo, has served on the Board of Directors for SEAOC, and is a Past-President of the Structural Engineers' Association of San Diego.



Josh Gebelein, SE, Associate Principal – Brandow & Johnston, Inc.

Josh Gebelein has over 16 years of structural engineering experience and has distinguished himself as a versatile structural engineer on various iconic projects in the Southern California region. He is currently an Associate Principal at Brandow & Johnston and serves as Vice-Chair on the SEAOSC Seismology Committee. Josh is passionate about seismology and its effects on seismic building safety, along with the implementation of seismic research into engineering practice. His project experience runs the gamut from mundane improvements to high-performance designs, and also includes international projects, forensics and earthquake reconnaissance. Josh feels that seismic engineering is often more an art than science, and our social challenge is to continually strive to mitigate a risk which the general public does not fully appreciate. His personal goal is to make a positive difference within the structural engineering community both locally and globally, believing that even small differences can save lives.



Jackie Vinkler, SE Principal John A. Martin & Associates

Jackie Vinkler maintains a diverse and highly visible portfolio of structural engineering projects and trusted, long-term relationships with clients. She has more than 25 years of structural engineering experience, having completed building design and architecturally sensitive seismic retrofits for complex structures and buildings in healthcare, higher education, entertainment, hospitality, commercial, residential and cultural realms. She has also led teams of structural engineers to complete seismic evaluations of extensive building portfolios, as far reaching as the US State Department embassies and residential buildings overseas. Jackie is known for her levels of precision and a passion for meeting client deadlines and budgets. Her collaboration with high profile architectural counterparts has consistently produced creative structural design solutions which achieve the visions of project's diverse constituencies, including designers, owners, and stakeholders.



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.

This month, we'd like to highlight Dale Dullabaun, Director of Finance & Accounting and Roland Ronquillo, Accounting Coordinator.



Dale Dullabaun, Director of Finance & Accounting

- Works with the SEAOSC Executive Director to oversee financial operations
- Prepares financial reports

Dale oversees the accounting and other administrative functions of BSC Management and its client organizations, working closely with the executive directors and treasurers of each organization on budget and financial matters.



Roland Ronquillo, Accounting Coordinator

- Processes membership due
- Processes any payments to the society/receivables

Numbers are not only his profound interest; he also loves cooking and doing handyman's work as well.



Lorena Arce is the Southwest Regional Engineer for the AISC. She represents Southern California, Arizona, Southern Nevada, New Mexico, Utah, Western Colorado, and Hawaii. She works with design professionals as an educational resource on the technical and economic aspects of building with structural steel.

Prior to joining AISC, Lorena worked for several years as a field engineer for Hilti, developing project and application solutions by working with local design and construction professionals in the Los Angeles area. She received a Bachelor of Science in civil engineering from California

State University, Long Beach, with an emphasis in structural engineering. After graduating, Lorena began her career as a design engineer for VanDorpe Chou Associates, Inc. in Orange, California and obtained her California Professional Engineer license.

"I was surprised and honored to be asked to be on the Board of Directors for SEAOSC. My dedication to the profession of civil engineering has been in place since my days as a CSULB student. I learned that it was both an accomplishment and a blessing to find myself on the verge of entering this noble profession. My involvement in SEAOSC was a bit deferred, since I spent the majority of free time dedicated to the efforts of the local ASCE chapter, mostly through it's Younger Member Forum. As my understanding of the industry grew, I realized that it was important that I dedicate some time to building my network within the structural engineering community. I began coming around to some of the meetings and that ever-so-frightening feeling of not knowing anybody in the room was quickly squashed once I introduced myself to Mr. Lucas Floriani, the then chair of the SEAOSC Younger Member Committee. My involvement in SEAOSC today is deeply rooted in my desire to give back to a community that has given me so much personally and professionally. I relish in the thought that I could help shape the future of engineering, and specifically structural engineering. I cannot do it alone, and so I align myself with great minds with the ideal that together, we can make a difference."



Edgar Plazola is a project engineer with Insight Structural Engineers (Insight). He is a second year board member and board contact for the Existing Buildings Committee. Edgar received his Bachelor of Science in Civil Engineering from the California State Polytechnic University, Pomona and Master of Engineering in Structural Design from the University of Southern California. He is a licensed Civil and Structural engineer in the state of California and a Disaster Service Worker certified by Cal OES. Edgar began his career at Miyamoto International shortly after graduating from Cal Poly Pomona and later joined Insight in 2005. At Insight, Edgar provides structural engineering solutions on a wide variety of projects including hospitals, commercial office buildings, tenant improvements, and the seismic retrofit/rehabilitation of various buildings in the Los Angeles area.

Edgar became involved in SEAOSC as a student member at Cal Poly Pomona and was a recipient of a student scholarship in 2001. In 2013 he earned an Excellence in Structural Engineering Merit Award for Sustainable Design for the Vasquez Rocks project. Edgar is proud of the work SEAOSC performs and is thankful for the opportunity to serve as a board member. Outside of the association, Edgar is a third year mentor for USC's First Generation College Student Mentorship Program and parent volunteer for the Girl Scouts of America Downtown Los Angeles Troop.



We are pleased to announce Daniel Fox as our new Education Committee Chair!



Daniel Fox is a Project Manager for MHP Structural Engineers and has a Bachelors of Science Degree in Architectural Engineering from Cal Poly San Luis Obispo. Dan is a licensed Civil and Structural Engineer and has been working in the industry for 10 years. He is very excited to head the committee and has many exciting plans for our upcoming events this year.

We would also like to thank Tim Kaucher, Former Education Committee Chair for his many years of excellence & service!

SEAOSC Education Pillar Mission

Offer world class and state of the art educational opportunities. Provide synergistic learning opportunities among our members on topics of interest.

SEAOSC Education Committee Mission

The Education Committee seeks to serve SEAOSC members by providing easy access to continuing education, through presentations on topics that are current, relevant, and important to the field of structural engineering. Additionally, the committee intends to foster and promote the contributions of structural engineers to society by providing a place for members to share knowledge and learn from each other.

SEAOSC Education Committee Standing Charges

Annual routine tasks performed by the committee include providing ten monthly webinars with at least two being topics that interest engineers beyond the SEAOSC membership and which will be advertised nationwide. Provide seven dinner (or lunch) meeting presentations including a mix of technical topics, case studies, and discussions on business practices (this does not include the February Student Night meeting or the June Past President and Awards meeting). The target goal will be eighty attendees for each dinner/lunch meeting presentation. Host and plan the Winter and Spring Education Programs. Hold regular Education Committee Meetings with a minimum of one meeting every other month, alternating between in-person meetings and phone meetings, increase to one meeting each month as needed. Each committee member will be responsible for coordinating at least one event. Collaborate with the Younger Member Committee to increase the number of jobsite tours and educational trips offered. Participate in planning and/or topic coordination for the Tri-Counties and Orange County meetings. Participate in planning and/or topic coordination for the annual Buildings at Risk Summit. Provide a SEAOSC representative on the SEAOC Webinar Committee.

Investigate various methods of increasing webinar participation. Incorporate more interaction with the webinar audience (e.g., polls, etc.). Investigate a new forum for members to educate each other. Collaborate with all SEAOSC Committees, particularly the Seismology and Existing Buildings Committees, to offer presentations related to new technical bulletins. Consider lowering costs for Education Events. With the Board, implement a policy for fee waivers or reduction for Education Committee Members who plan an event. Perform tasks delegated to the committee by the SEAOSC BOD.



Welcome New Members - January 2016

Affiliate

Glen Granholm, gg@safe-t-proof.com, Safe-T-Proof Preparedness Co., Inc.

Young Associate

Mr. David Ramirez, davidjr.ramirez@gmail.com, VTMI

Mr. Omar Mauricio, omauricio@fjengineering.com, FJ Engineering+Design

Industry

John Mentzer, jm@etcusa.net, ETC Building & Design, Inc.

Member

Jennifer Carey, jennifer.carey@unirac.com, Unirac, Inc.

Member SE

Mark Aden, maden@dc-engineers.com, DCI Engineers

Student

California State University of Fullerton

California State University Northridge

California Polytechnic State University, San Luis Obispo

Columbia University

University of Memphis

University of Southern California

Obituary

Richard Lee Hess

SEAOSC Past-President 2003-2004

Richard Lee Hess passed away on February 10, 2016, very peacefully and at home, surrounded by his precious family. He had struggled with a very aggressive kidney cancer for the year, which later metastasized, and sadly, we lost him.

He was born in Orange County, CA on February 1, 1935. He was a very hard worker, never wanting to retire and a true inspiration in work ethics and education. He graduated with a BS degree from M.I.T. in 1957.

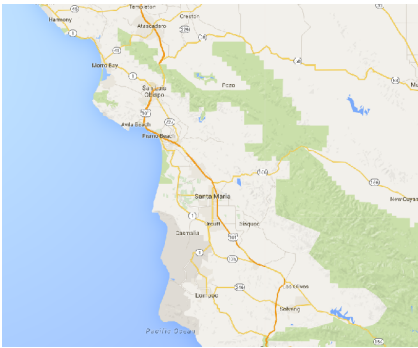
Moving closer to home he graduated with a MS from Stanford University in 1958. Shortly after that he acquired a MBA from the University of San Francisco. Finally a couple of years ago, he went back to school and graduated with another MS from CSULB. As a licensed Structural and Civil Engineer he specialized in seismic retrofits and has had his own Company, Hess Engineering, Inc., since 1992.

He was instrumental in his family's appreciation and love of mathematics, science, classical music, history and philosophy. He was a voracious reader, inspiring great discussions.

He so enjoyed fishing, hiking, gardening, travelling and was a devoted husband to his wife, Susie, of 52 years. They have 3 children, Gregory, Craig and Nicola and their spouses, Shirley, Kimberly and George Varela. They are proud of their 8 grandchildren, Alex, Angie, Darcelle, Kelda, Colter, Ethan, Mason and Anna. Also of their great grandson, Nickolas. Richard humbly regarded these families as his greatest accomplishment.

Services were private. The family appreciates all the kind words, condolences and sympathy as we celebrate his life.





The **Tri-Counties SEAOSC dinner meeting** took place in Santa Maria on January 12. Central Coast engineers networked with their colleagues from Morro Bay, Ventura, and all points in between.

The technical presentation was given by Cal Poly SLO professor John Lawson SE. The topic, case studies of rain-induced roof failures, was both timely and informative. John’s insight into roof slope and scupper sizing was appreciated by the attendees. Thank you to John (Go Mustangs!).

Jeff Haight, SE
Tri-Counties Director, SEAOSC

The **SEAOSC Winter Education Program** took place at the Grand Event Center in Long Beach on Friday & Saturday, January 29 & 30. Attendees had the opportunity to earn up to 9 PDH credits for both days.

On Friday, we were fortunate to have a variety of presentations available for our attendees. Starting of the program was Keith Porter presenting on "Understanding Seismic Risk Assessment". Later, Curt Haselton presented on FEMA P-58 Seismic Performance Assessment of Buildings and Bill Stutsman presented on Los Angeles Soft Story Retrofit Ordinance Examples. The SEAOSC Existing Building and Seismology Committees presented during the last half of the day. On Saturday, Jesse Karns presented on Disproportionate Collapse Mitigation.

Thank you to all presenters, attendees and everyone that helped with the educational content and planning of this event.



Student Scholarship Awards Night & Job Fair

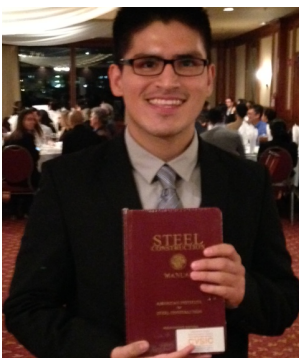
On **February 3rd**, SEAOSC and the Younger Members Committee hosted its annual Student Scholarship Awards Night at Luminarias Restaurant in Monterey Park. Every year, this event is organized to showcase engineering students who have excelled in their studies. This occasion provides students opportunities to interact with industry professionals at the Job Fair. Students, members and guests later sat down to a dinner, presentation and scholarships awards ceremony. This year over 10 company sponsors joined us for the job fair and a total of 6 scholarships were awarded to deserving students.

At the job fair, students were able to share their **personal and scholastic achievements** with company representatives while in turn these representatives shared information about their company and employment opportunities.

Students from over 10 universities attended the job fair. The committee was honored to have **Thomas A. Sabol, PhD, SE** speak at this event on the **"Design of the Getty Center, A Historical Perspective"**, which showcased the design and engineering of the famous Getty Center. Dr. Sabol showed how complex architectural details were accommodated by hidden complex structural systems, a rare peek behind the scenes. His presentation was inspiring to the young students in attendance and a treat for seasoned professionals.



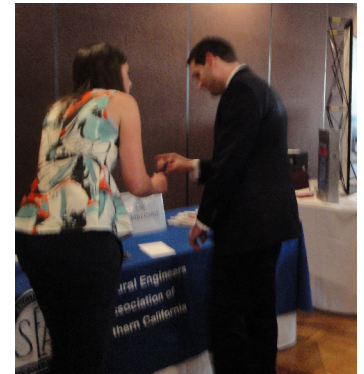
The Young Members Committee selects scholarship winners based on their grades, campus involvement, professor's letter of recommendations, involvement with SEAOSC or the industry, work experience, and *X factors* (intangibles). From the students who attended, 6 were awarded scholarships. \$1,500 scholarships were awarded to Ricky J. Carillo from California Baptist University; Emily Yu from California Polytechnic State University, Pomona; Anthony Keshishnian from California Polytechnic State University, San Luis Obispo; Candice Chong from CSU Long Beach and Manfred Kissling from Loyola Marymount University. In addition to the funding received from our generous industry and individual donors, **Margaret & Ken Blair** graciously donate the \$2,000 **David & Margaret Narver Scholarship** every year to a deserving engineering student. This year, this scholarship was awarded to Kate Cuddington from California Polytechnic State University, San Luis Obispo.



Steel Manual Raffle Winner

SEAOSC President, Michelle Kam-Biron and **SEAOSC YM Co-Chairs Nathan Jo and Paul St. Pierre** hosted this event and emphasized what a great organization SEAOSC is for professional development, networking and to give back to our field and community. This was evident as there were well over 100 member, guest, industry and student attendees that day.

The SEAOSC YM Committee would like to say **"THANK YOU"** once again to all the students and sponsors. This committee enjoys this particular event because they get the opportunity to recognize students for their hard work, dedication and contributions to the structural engineering field. Thank you to the students, company sponsors and SEAOSC members and guests who made this night a success. We look forward to seeing everyone again next year and encourage anyone who has not attended the SEAOSC Student Scholarships Awards Night to attend next year!



Student Scholarship Award Winners!



Names listed from left to right below.

Kate Cuddington is the Cal Poly SLO SEAOC Fundraising chair and the President of the College of Architecture and Environmental Design Ambassadors where she shares what the college has to offer to perspective students. She has studied structural engineering abroad in Lithuania, and plans to lead a service trip to Nepal with the Structural Engineering Students for Humanity.

Manfred Kissling is a Loyola Marymount University student who enjoys volunteering in the community. He is an after school math tutor and volunteers for WIDECAS in Costa Rica to save sea turtle nests. Manfred serves as the Bentley Systems Student Ambassador where he shares and educates students on different structural engineering software platforms.

Emily Yu is very active in Cal Poly Pomona where she volunteers in multiple clubs and is Secretary of CPP ASCE. She has contributed to the structural analysis of the concrete canoe and showed her interest in structural engineering by always taking a lead in her structural design classes.

Ricky J. Carillo is currently a student at Cal Baptist University and serves as Vice-President of CUB ASCE. He has participated in the research of deep creep deformation of self-consolidating concrete and presented this research at SCCUR (Southern California Conferences for Undergraduate Research) in 2014 and 2015.

Anthony Keshishian is a Cal Poly, San Luis Obispo student who has many scholastic achievements. He has traveled to Haiti to provide relief with the Structural Engineering Students for Humanity. His volunteering has left him with a perspective of how structural engineers can leave a lasting impression on society.

Cardice Chong is the Academic Chair at Cal State Long Beach where she volunteers with the CSULB ASCE. She displays leadership by being the captain of the ASCE's Concrete Canoe. Candice is gaining structural engineering experience at her internship with Michael Baker International.

THANK YOU!

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Robert Lyons



SEAOSC

2016 Excellence in Structural Engineering Awards

CALL FOR ENTRIES

The Structural Engineers Association of Southern California (SEAOSC) is the Southern California professional organization for Structural Engineers. Each year, through SEAOSC's Excellence in Structural Engineering Awards program, recognition is given to SEAOSC Members and Member SE's that have demonstrated outstanding achievement and excellence in structural engineering practice and project work. The awarded projects and their recipients serve as models of excellence in structural engineering representing California Structural Engineers. The SEAOSC 2016 Awards will be presented at an awards ceremony and dinner at Luminarias Restaurant in Monterey Park, CA on June 1, 2016.

PURPOSE

The purpose of the SEAOSC Excellence in Structural Engineering Awards program is to publicly acknowledge outstanding achievement in creative design, technical innovation, best practices and demonstrated contributions to the public and/or profession. Additionally, it is the intent of the SEAOSC Awards program to educate the public as to the contributions of Structural Engineers to the built environment and public safety. Founded in 1929, SEAOSC is committed to advancing the art and science of structural engineering.

DEADLINE FOR ENTRIES

Entries with all supporting materials, forms and fees must be received by 5 p.m. on Friday, April 29, 2016 at the address listed below. NO EXCEPTIONS! Entry forms are included in this packet of information. Entry information packet and forms may also be downloaded from the SEAOSC website (www.SEAOSC.org). All entry materials should be clearly labeled as "Submission for SEAOSC 2016 Excellence in Structural Engineering Awards" and delivered to the following address:

SEAOSC 2016 Excellence in Structural Engineering Awards
c/o Robert Lyons, PE, SE
Risha Engineering
410 East Cypress Avenue
Burbank, California 91501

Learn more and apply [HERE](#)

IMPORTANT MESSAGE

SEAOSC has avoided increasing the LA Dinner Meeting registration prices for several years. We are pleased with the increase in attendance this year and thank you for your support! To promote SEAOSC Membership benefits, and to adapt to rapidly changing meeting needs and trends, our dinner rate will be two-tiered and increase as of the April LA Dinner Meeting. The prices for the SEAOSC Dinner Meetings will change to the following:

Members:

Pre-registered - 6 days in advance: \$45

Pre-registered 5 days in advance and On-site: \$55

Non-Members:

Pre-registered - 6 days in advance: \$55

Pre-registered 5 days in advance and On-site: \$65

We look forward to seeing you at our next event!



LA DINNER MEETING

The Gold Medal Address: Designing with computers

March 2, 2016

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

Time: **Networking:** 5:30 pm – 6:30 pm

Dinner: 6:30 pm

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

Topic

It is relatively common to hear the senior members of our profession exhort our more junior members to “stop using computer models”, particularly early in the design process. However, a computer analysis programme is really just a superior calculator (slide rule or log table). Why shouldn't they be used by engineers to get a fast appreciation of the structural behaviour of their idea? What is it about making a quick sketch and a hand calculation that makes it so more informative than a computer model, which is replete with stresses, deflected shapes, loads, reactions and many other informative results?

Surely what we really want is the wise use of computer models, even early in the design process. A virtual exploration of the design space; many models of different complexity, cross checking for fundamental structural behaviour; sensitivity studies against various input parameters; to name a few of the different strategies available.

I think that our senior members should try and learn the capabilities of modern computing so that they can teach their colleagues how to get the most out.

Presenter

Presenting on behalf of Tristram Carfrae.



Bruce Danziger is an Associate Principal with Arup and has worked in Arup's offices in Los Angeles, San Francisco, New York, London and Seville. His education joined architectural design with structural engineering. While in London, he helped design innovative structures and supervised construction for the Pavilion of the Future at the 1992 Universal Exposition in Seville, Spain. These early work experiences have shaped the rest of his career.

Bruce has been the Lead Structural Engineer for several performing arts centers and other cultural venues. His broad range of experience includes steel, concrete, wood, masonry, glass, stone, lightweight structures, project management and construction administration. Bruce has taught at the Southern California Institute of Architecture (SCI_Arc), the University of Puerto Rico School of Architecture and he was a visiting professor at Rensselaer Polytechnic Institute as the Bedford Chair teaching courses with students from both the civil engineering and architecture departments.

Click [HERE](#) to register.



WEBINAR

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

March 15, 2016
12 pm - 1 pm

PRICE: Member Price: \$75.00
Non Member Price: \$150.00
SEA Price: \$100.00

TOPIC

Structural Engineers traditionally have little involvement in the drainage of large flat roof systems; however, rain induced loading and ponding issues can have significant impact to the overall project's performance. Provisions in the current ASCE 7 as well as other applicable design codes can cause the design professional to bear unnecessary risks to denied roofing warranty claims and roof collapses. This webinar will illustrate several case studies of rain-induced collapses, and the perceived responsibility of the Structural Engineer and other design professionals. A demonstration of "best practices" will be provided along with how to navigate existing code provisions that are sometimes seemingly in conflict with other each other.

SPEAKER



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.

learn more & register
[here](#)



LA DINNER MEETING

The 2016 Code Change: The Building Official's perspective

April 6, 2016

PRICE:

Members:

Pre-registered - On or before April 1st: \$45

Pre-registered - After April 1st and On-site: \$55

Non-Members:

Pre-registered - On or before April 1st: \$55

Pre-registered - After April 1st and On-site: \$65

Table: \$245

Students: \$25

We'll have over 10 building industry exhibitors so that attendees can learn about current building products!

TOPIC

We all know 2016 is a code change year. At this dinner meeting, four prominent Southern California Building Officials will head a panel discussion focused on the upcoming code change. The presentation will offer the Building Officials' perspectives on the code change as they address the questions and concerns we as engineers are pondering. Questions such as, what is your jurisdiction's process for reviewing and implementing the new code? What kind of backlog and bin time can engineering firms expect around the New Year time frame? Along with the code change, will there be changes to the plan check process? These questions and more will be topics of the discussion.

PANELISTS

Colin Kumabe, Metro Plan Check Chief, City of Los Angeles Department of Building and Safety

Douglas Humphrey, Regional Manager, Division of the State Architect

David Khorram, Superintendent of Building and Safety, City of Long Beach Department of Development Services

David Neou, Structural Technical Lead, Office of Statewide Health Planning and Development

Moderator: Jeff Ellis, SEAOSC President-Elect

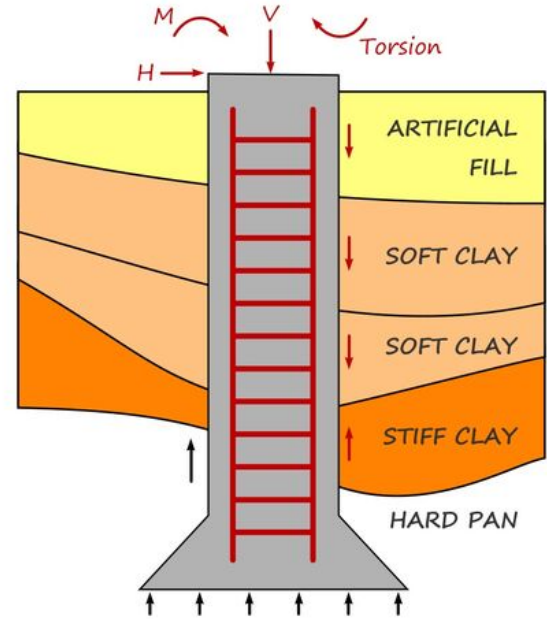
Registration to open soon.

Are you a structural engineer or code professional in Arizona, California or Nevada and want to attend NASCC: The Steel Conference in April 13-15, 2016? If so tell us how you will benefit from attending The Steel Conference and you could win a travel stipend of \$1,000 and a free full registration!

There are 20 travel stipends available! The Steel Conference is designed to provide exposure to the most advanced industry knowledge as well as opportunities to network with key industry personnel. To apply for the stipend, visit www.cvsic.org/CVSICProfessionals. **20 winners will be chosen on March 1, 2016.**

For additional CVSIC program information, please contact Lorena Arce at arce@aisc.org or Kristy Davis at davis@aisc.org

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- 5+ years working in the field of structural engineering.
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- Verbal communication skills, including listening and questioning.
- Written communication skills, including report writing.
- Coaching/mentoring skills
- Presentation skills to contribute to team talks, and project presentations.
- Time management skills.
- Computer software skills: Intermediate MS Word, Advanced MS Excel, Intermediate ETABS, SAP, Risa (or equivalent).
- Problem-solving skills.
- Sound technical skills: understands structural engineering design principles.
- Team player: works with project team.
- Willing to travel to other locations for periods of time to undertake projects.

KNA CONSULTING ENGINEERS -- IRVINE

KNA Consulting Engineers has immediate openings for motivated engineers at all experience levels. KNA specializes in structural engineering of educational, civic and healthcare facilities. We are located in Irvine just minutes from the Spectrum. Our team is a dedicated group of resourceful, friendly, innovative and hard working professionals and we are looking for the same qualifications in responding candidates. 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 should 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 to careers@KNAconsulting.com. For more information, please visit us at www.KNAconsulting.com. NO PHONE CALLS PLEASE.

Are you looking to share your talents with a collaborative, fun group of engineers working in a dynamic downtown San Francisco office on some of the most challenging and exciting structural and seismic projects in California and around the world? Do you want to be part of an exciting and thoughtful team in a work environment that actively encourages and supports individual professional growth through ongoing education, training, and mentoring? If so, **FORELL/ELSESSER** wants to hear from you! We are currently looking to add a Senior Engineer with a Masters' degree in civil/structural engineering and minimum 5 years' experience to our team. California SE required.

Find out more about us and this opportunity at www.forell.com. Interested candidates should forward their resumes and cover letter to recruiting@forell.com

**Want to place a Job Ad?
1/4 page ad for \$100**



BOARD OF DIRECTORS

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

Lois Ehrlich
lois@seaosc.org
562-908-6131 ext.173

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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	Chair & Vice-Chairs		
Membership	Victoria Wigle* Kerry Regan Christian Cody	213-330-7000 818-729-9777 323-907-2523	vwigle@thorntontomasetti.com kregan@bbse.com christian.cody@hilti.com
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EPRS Ad Hoc	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.

