



SEAOSC Presents:

STUDENT SCHOLARSHIP AWARDS NIGHT

Wednesday, February 3, 2016



Speaker: Thomas A. Sabol, Ph.D., S.E.

Principal Englekirk Structural Engineers

Topic: Design of the Getty Center, A Historical Perspective

Location: Luminarias Restaurant, 3500 Ramona Blvd, Monterey Park, CA

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

6:45 pm: Dinner

7:30 pm: Keynote Speaker

8:15-8:45 pm: Awards

Cost: Prepaid: Members & Guests: \$35

At the Door: \$45

Table Reservation: \$245

Students: Free

(Donations to offset the cost of student dinners are appreciated.)

[Click HERE to learn more and register.](#)

Students: Free. Please use coupon code "snight2016" to register. Students must pre-register to attend the Dinner.

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Committee Leaders

SAVE THE DATE!

JANUARY

29-30

Winter Education Program
Grand Event Center,
Long Beach

MARCH

2

LA Dinner Meeting
Luminarias, Monterey Park



Happy New Year!

When does one stop saying "Happy New Year"? Even though this is the February newsletter which is published in January, Chinese New Year is on February 8th which is the year of the Monkey! **Gong Xi Fa Cai** (Mandarin) or **Gong Hey Fat**

Choy (Cantonese)! What does the New Year mean to you? Is it a time to look back and reflect on what happened last year? Is it a time to start afresh and look forward to new things to come? For the SEAOSC Board, I **BELIEVE** it's a little bit of both. We are actually half way through the SEAOSC fiscal year and the Board has been reflecting on the past to be cognizant of what the association has built its reputation on, yet looking to the future to see what we can improve upon and raise the bar so that SEAOSC will continue to be relevant.

We start this calendar year with a transition to a new Executive Director (ED). When we first contracted with BSC Management in September, we were assigned Jenay Root who jumped in with both feet and was a tremendous help through the transition process. We thought Jenay was doing a fantastic job but she does have other clients and was stretched pretty thin, so BSC Management made the decision to hire a new ED, Lois Ehrlich, specifically to focus on SEAOSC. We are looking forward to working with Lois in the future as well as all the other BSC Management staff who will continue helping SEAOSC with the website, accounting, sponsors, membership, event, and meeting planning.

"The secret of getting ahead is getting started. The secret of getting started is breaking your complex overwhelming tasks into smaller manageable tasks, and then starting on the first one." --Mark Twain

As you saw from the pictures in the [January Newsletter](#), the December [SEAOSC Holiday Party](#) at Parker's Lighthouse in Long Beach was a huge hit! SEAOSC thanks [Computers & Structures, Inc. \(CSI\)](#) for graciously sponsoring the event and for supporting younger members to attend. With an almost 360 degree view of the water, we had 64 people attend and a record number of them were SEAOSC young

professionals. A huge THANK YOU goes to Past-President Doug Thompson's wife, Diane, who stepped up to successfully lead the team of Membership Committee members and Young Member Committee members that included Todd Brown, Christian Cody, Hani Freudenberger, Nathan Jo, Nolan Lenahan, Kelsey Parolini, Paul St. Pierre, Kerry Regan, and Victoria Wigle. I have no doubt that without Diane's leadership we would not have had such a successful SEAOSC Holiday Party.

Have you read the LA Times lately? Their latest article, "[L.A. landlords and tenants will share earthquake retrofit cost under deal approved by City Council](#)" is a culmination in part by SEAOSC activities with not only providing structural engineering expertise on Mayor Garcetti's task group but also the education and outreach that was provided via the SEAOSC Summit. In 2011, I was fortunate enough to be on the steering committee for the first SEAOSC Building at Risk Summit (BAR) which has since become an annual event and renamed Strengthening Our Cities SEAOSC Summit. For those of you that have not had the opportunity to participate on a committee to help organize a SEAOSC event, I highly encourage you to do so. To be able to work with your peers towards a common goal of elevating the profession of structural engineering, bringing awareness about the need for seismic retrofit and resilient communities, is an enriching experience on many levels. We should all give thanks to all the other founding steering committee members that include Jeff Ellis, Janah Risha, Craig Chamberlain, Russell Kehl, Mark Benthien, and Kate Long, for their fervent efforts in organizing the first BAR. To this day that passion is still evident in those that carry the torch forward.

"People who say it cannot be done should not interrupt those who are doing it." -- George Bernard Shaw

Each year the SEAOSC Summit improves and continues to expand our outreach to the community and elevate SEAOSC so that not only structural engineers hear our voice but also other stakeholders such as building and business owners, code officials, government officials, and the general public. On the heels of the [2015 Summit](#), Michael Cochran, Jeff Ellis,

...continue to page 3 ~



Annie Kao, Joe LaBrie, Bob Lyons, Kevin O’Connell, Ken O’Dell, Janah Risha, Victoria Wigle and I, with John Bwarie as the facilitator, met on January 8th to strategize about how SEAOSC can build on the success of the past five years of summits and look to the future to do even more. As you can imagine with ten engineers all in a meeting, who are passionate and have **VISION** about improving the future of our industry and profession, it was a pretty interesting discussion. The hope is to create a committee or task group that will strategically carry this effort forward beyond the annual SEAOSC Summit event, with the goal of expanding our outreach so that people become aware of who SEAOSC is, what structural engineering is, and the need for building resilient communities. Then one day perhaps, structural engineering will become common knowledge and people will understand the importance of what we do, saving lives which...(dare I say?)...will lead to adding value to the services that our profession provides.

As part of the efforts to move these topics forward, President-elect, Jeff Ellis and I met with California Building Officials (CALBO) Vice President Ron Takiguchi (President Raj Patel was scheduled to meet with us as well but had to miss the meeting due to a city emergency) on January 15th as CALBO was a 2015 Summit partner. We discussed opportunities where our two associations can partner and **SUPPORT** each other by working together on a common interest of supporting resilient communities and providing technical structural engineering expertise. Working together, we can have a larger voice for our members which hopefully will result in a greater **IMPACT** on the industry.

In previous President’s messages I’ve spoken about the advantages of being a member of SEAOSC and tried to highlight many of the efforts that the SEAOSC Board and Committees are doing for the benefit of the SEAOSC membership. One huge advantage to being a part of SEAOSC is that we represent a very large membership of structural engineers and through this representation we can influence **CHANGE** with our unified voice. How powerful is that? I am constantly amazed by the SEAOSC members who are dedicated to creating change. Here are some awesome traits that I see in our

active members who get involved in SEAOSC activities: result driven, passionate professionalism, collaborative mindset, make no excuses, constant champions, and energizers. Who wouldn’t want people with these types of traits on their team? If you have any of these traits or are just curious about SEAOSC volunteer opportunities, please feel contact any of the [SEAOSC Board members](#) and we’ll be happy to chat.

"Winning is not a sometime thing; it's an all time thing. You don't win once in a while, you don't do things right once in a while, you do them right all the time. Winning is habit. Unfortunately, so is losing."--Vince Lombardi

Lastly, if you would like the opportunity to contribute to the Structural Engineers Associations of Southern California, please consider making a tax deductible donation to the [SEAOSC Foundation](#). Donations by check can be made payable to "**SEAOSC Foundation**" and mailed to the [SEAOSC Office](#).

Similar to last month, in order to encourage people to actually read the President’s message I have created 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. One winner will be chosen from those that complete the survey. And if you do read the newsletter, I hope to see you at the **February 3rd Job Fair and Student Scholarship Awards Dinner** and feel free to let me know what you did or didn’t like about the newsletter!

WINNER from the [January Newsletter](#) is (yes there is actually a winner!):

Patrick Marr – Patrick Marr, AIA PE



Have an Extraordinary Day and **Dream!**

Michelle Kam-Biron, PE, SE, SECB

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.

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 Carrie Ahern, Registrar and Jason Levine, our Webmaster and BSC Vice-President of IT.



Carrie Ahern

Registrar

- Manages meeting registration for all SEAOSC meetings
- Interfaces with all registrants prior to meeting and on site

Carrie has lived in 7 states in the last 10 years and is happy to have returned to her native California with her husband and dogs. She would much prefer an earthquake to 6 feet of snow, and is happy to be working with SEAOSC!



Jason Levine

Webmaster and BSC Vice-President of IT

- Works with the Executive Director on overall IT planning and strategy
- As needed participates in IT related leadership calls or meetings

Jason Levine has more than 22 years experience in database design and has been a web developer since 1994. He is a strategic thinker and innovative planner. He has kept BSC's clients on the forefront of the technology wave.



Jeff Haight, S.E. is a partner at Ehlen Spiess & Haight, Inc. in Santa Barbara, where he has worked since 1992. He earned a Bachelor of Science degree in Architectural Engineering from Cal Poly San Luis Obispo in 1988. He has been a member of SEAOC since 1986 and was the President of the Cal Poly SEAOC Chapter in 1987-1988.

Jeff is a volunteer engineer with the California Office of Emergency Services and in October 2005 he was a member of the initial team of volunteers deployed to New Orleans to perform building assessments in St. Bernard Parish after Hurricane Katrina. He has served as a judge for the SEAOC Excellence in Structural Engineering Awards and is currently the vice-chair of the SEAOC Foundation.

As both project engineer and principal engineer at Ehlen Spiess & Haight, Inc., Jeff has engineered school buildings, institutional facilities, seismic retrofits, and adaptive reuse projects throughout the central coast of California. He is most intrigued by historic preservation projects and recently completed a project to provide ADA access to the top of the historic Santa Barbara Courthouse tower. Jeff joined the SEAOSC Board of Directors in July 2015 as the Tri-Counties Director, representing members in Ventura, Santa Barbara and San Luis Obispo counties. He has enjoyed his experience on the Board and looks forward to increasing the benefits of membership for all SEAOSC members and finding ways to involve other central coast engineers in SEAOSC activities.



Joe Valancius, P.E., S.E. is a Principal with Karagozian & Case (K&C) in Glendale, originally joining the firm in 1984. Joe became a SEAOSC board member in July, 2014 and is currently a second year board member. Joe and his wife Cindy have three grown children and recently celebrated their 35th wedding anniversary. Joe received his M.S. Degree in Structural Engineering and Structural Mechanics in 1983 from U.C. Berkeley after completing his undergraduate studies at the University of Illinois. Joe is a registered Structural Engineer in California and is also registered as a P.E. or S.E. in several other states. Joe's career has included the design and analysis of structures for weapons effects, including the effects of conventional and nuclear weapons and terrorist threats, accidental explosions, such as gas clouds and dust clouds, as well as

more traditional design services. Joe has also been providing design consulting services on healthcare projects in California since 1984, affording him the opportunity to collaborate with OSHPD.

In 2004 Joe took a leave from K&C to assist Wiss, Janney, Elstner Associates, Inc., (WJE) with establishment and management of a Los Angeles office. While with WJE he was afforded the opportunity to assist with efforts in New Orleans following Hurricane Katrina and in Haiti following the earthquake there in 2010, as well as to become involved with many large national and international projects. In 1994 Joe was involved with assessment of buildings and structures following the Northridge Earthquake in Southern California. The experiences of dealing with damaged structures, whether due to blast or weapons effects, hurricanes, or earthquakes, has provided the opportunity to see first-hand the response of buildings and structures due to these extreme events. Prior to joining K&C Joe was employed by TRW Defense Systems Group in the Ballistic Missile Office at Norton Air Force Base, and was primarily involved with the design, analysis, and testing of hardened structures and components designed for nuclear weapons attack.

Joe is proud of the work that SEAOSC performs and is thankful for the opportunity to become involved with the Association and to be a board member. Joe served for several years on the Existing Building Committee and has chaired the committee at both the local and state levels. Committee involvement is rewarding and provides perspective on how committees function and how building codes and standards are written, modified, and maintained. SEAOSC is widely recognized and held in high regard by structural engineers throughout the country. Engineers in other parts of the country look to us to provide guidance on seismic design. SEAOSC is a great organization and Joe urges anyone with interest to join a committee and start the process of becoming active in our Association.



SEAOSC YM Committee Mission

Reach out to new engineers and students to provide the opportunity for them to grow and develop within the structural engineering community while promoting continued membership and involvement within SEAOSC.

SEAOSC YM Committee Standing Charges

Annual routine tasks performed by the committee include providing opportunity for young members to socially network with seasoned members, continue education within the structural engineering industry, and grow as engineers and members of the SEAOSC and the profession. Plan/organize the SEAOSC Student Night (February) and assist with SEAOSC Membership Committee events. Maintain contact with SEAOSC Student Chapters at local universities. Host bi-monthly general committee meetings. Facilitate vendor product training and demonstrations for the membership. Apply for NCSEA Young Member Group of the Year (July).



Nathan Jo, Student Night Coordinator/Co-Chairman

Nathan Jo is an undergraduate senior at Cal Poly Pomona. Nathan’s passion for structural engineering stems from his internship in single-family residential projects and his concern for public safety in earthquake-prone areas around the world. His crowning achievement thus far in structural engineering is winning the 2016 EERI Undergraduate Student Paper Competition for his research in energy-based design for seismic isolation. This is Nathan's third active year with SEAOSC, and he attributes most of his growth in structural engineering to his involvement with SEAOSC.



Paul St. Pierre, Co-Chairman

Paul St. Pierre graduated from Cal Poly Pomona with a M.S. in Civil Engineering with a Structural emphasis. He recently passed the Professional Engineering Exam in 2015. Paul is now working at the County of Orange where he gains field experience while working on large infrastructure construction sites in the OC Construction Service Area. Mr. St. Pierre currently designs roadways in the OC Traffic Engineering Division. He volunteers in SEAOSC because it is a chance to strike up friendship with other young professionals.

Updates from SEAOSC Committees

SEAOSC Existing Buildings Committee

The SEAOSC EBC is busy developing City of LA ordinance examples. They are also getting ready to present the soft story example to the Winter Education Event.

Want to join a committee?

Contact the committee chair or the SEAOSC office at seaosc@seaosc.org

SEAOSC Technology Committee

Dear SEAOSC members,
As many of us are aware the SEAOSC Listserv has been active since July of 1995. Currently there are over 500 individuals from all over the globe that are members of this Listserv and contribute to its contents. In order to become a member of this Listserv, you can do so by accessing the following link: <https://database.mail-list.com/app/subscribe>. A verification email will be sent to you for your confirmation in order to activate your account. There is no fee for joining the SEAOSC Listserv. Usually the engineers post their questions and fellow members will respond and provide their opinions. If you have any question in this regards please contact me at ckh@psfeg.com.

Casey Hemmatyar, SE
Technology Committee Chair



Welcome New Members - December 2015

Affiliate

Richard Beck

IAPMO- ES

Richard.Beck@Uniform-es.org

Young Associate

Ms. Emily C. Yagi

Walter P Moore

eyagi@walterpmoore.com

Ms. Bo Ying Liu

Walter P Moore

lby167@gmail.com

Member

Mr. Michael Wesson,

Walter P Moore and Associates

mwesson@walterpmoore.com

Ms. Staci Chase

Holmes Culley

schase@holmesculley.com

Student

California State University, Long Beach

University of California, Irvine

University of California, Los Angeles

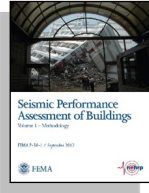


HAPPY 87TH BIRTHDAY SEAOSC!

"To advance the science of structural engineering; to assist the public in obtaining dependable structural engineering services; to encourage engineering education; to maintain the honor and dignity of the profession and to enlighten the public with regard to the province of the structural engineer."

This was the avowed purpose of the new Structural Engineers Association of Southern California as it came into being in a meeting at the University Club in Los Angeles on February 20, 1929. The organizers were a group of 12 structural engineering consultants; 2 were also architects and one was a professor at the California Institute of Technology. Many of the organizers are well known today for their contributions to the science of structural engineering.





Winter Education Program

Friday & Saturday, January 29 & 30 2016

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



Attend One Day: \$234 (Member) or \$468 (Non-Member)
Attend Both Days: \$420 (Member) or \$840 (Non-Member) **Best Value!**

Join us for a must attend education program for valuable insight and guidance on existing building assessment and retrofit, the City of L.A. Retrofit Ordinance, and structural evaluation and design to resist blast forces!

Session 1: Friday, January 29, 9:00 am – 3:00 pm (5 PDH credits)

Registration opens at 8:30 am and lunch is provided

- Understanding Seismic Risk and Assessment by Keith Porter, PhD, University of Colorado at Boulder
- FEMA P-58 Seismic Performance Assessment of Buildings by Curt Haselton, PhD, CSU, Chico
- Los Angeles Earthquake Retrofit Ordinance and Updates by LADBS
- Los Angeles Soft-Story Retrofit Ordinance Design Examples by SEAOSC Existing Building Committee

Session 2: Saturday, January 30, 8:15 am – 12:30 pm (4 PDH credits)

Registration opens at 7:30 am and breakfast is provided

Disproportionate Collapse Mitigation, by Jesse Karns, SE, MiTek

This presentation will provide overall understanding of disproportionate collapse and the information needed

by the structural engineer to design buildings that meet the requirements of United Facilities Criteria (UFC).

The presentation will help the design professional:

- Understand the underlying philosophy and design objectives of national progressive collapse guidelines and standards.
- Identify building characteristics that can increase or decrease the risk of progressive collapse.
- Learn the importance of detailing in mitigation of disproportional collapse.
- Achieve a complete understanding of the requirements of UFC 4-023-03, "Design of Buildings to Resist Progressive Collapse", including working knowledge of the overall design goals, coupled with the means, methods, and solutions available.
- Understand linear and nonlinear analysis procedures used in progressive collapse design and the appropriate application of each.



To learn more and register please visit www.seaosc.org

Winter Education Program Sponsorships

- **Sponsor:** \$350: 2-day tabletop exhibit display

Please direct questions to: Lois Ehrlich, SEAOSC Executive Director, (562) 908-6131, lois@seaosc.org

[Download the Winter Education Program Sponsorship Form Here](#)

Email: lois@seaosc.org or fax: 310-437-0585



LA Dinner Meeting

March 2, 2016

The Gold Medal Address: Designing with computers

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

Time: Networking and Cash Bar: 5:30pm - 6:30pm

Dinner: 6:30pm

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

Click [HERE](#) to register.

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.

Presenter

Tristram Carfrae RDI MA FEng FTSE FIEAust MStructE, is an Arup Fellow and Arup's Deputy Chairman. He is responsible for the design of an impressive array of award winning buildings, including the Water Cube for Beijing 2008, and is regarded internationally as a leading designer of lightweight long-span structures, particularly where the architecture is defined by the structure. Tristram was awarded the 2014 Institute of Structural Engineers (IStructE) Gold Medal.



In collaborating with some of the world's best architects, he has a reputation for challenging the established way of doing things; for exploring better solutions; and moulding both materials and people to his vision. Tristram believes that good buildings should consume less materials, energy, time and money; while at the same time being beautiful and providing greater amenity for society.




Business Card Index Ads

Please see the business card index ads for each of our SEAOSC Board Members.
**Note: This advertising opportunity is available to all SEAOSC members at a nominal fee.*

Visit www.seaosc.org next month for up to date information on all advertising options.

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Structural Engineers Association OF SOUTHERN CALIFORNIA

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- Actively participates in design, product development, literature development, marketing, promotion, sales, and support
- Represents Verco within industry organizations and the design community
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- Must be able to travel as required

Minimum Qualifications:

- Bachelor's degree in Civil Engineering, Structural Engineering, Architectural Engineering, or related Bachelor's degree in engineering
- Minimum 1 year engineering experience

Preferences:

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If interested, please submit cover letter and resume, indicating for which position you are applying.

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We are seeking structural engineers with 5+ years design experience for both our San Francisco and Los Angeles offices; M.S. degree in Structural Engineering and PE license are preferred.

Check us out at www.holmesculley.com and send your resume with cover letter to hr@holmesculley.com

Job Requirements: •B.S. and/or M.S. Degree in Civil / Structural Engineering.

- 5+ years working in the field of structural engineering.
- Licensed Professional Engineer (PE) in the state of California.
- Seismic design experience or education.
- 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.

StructurLam - Construction Sales Engineer

Job Description:

Promote and Sell an exciting array of current and next generation engineered wood structural members. Products range from Heavy Timber, Glu-Lams, Parallam and Cross Laminated Timber. The emphasis will be on CLT and its use as both floor and roof panels.

Clients: You will work with Owners, Developers, Architects, Structural Engineers, General Contractors, Framers and the related trades.

Roll: Your roll will require structural creativity and people skills in order to provide the customer a competitive structural product that meets all their goals and requirements.

Required Experience: An engineering degree along with 2 - 6 years' experience in the design, sales or construction profession.

Territory: The sales territory will consist of all California Customers.

Contact: KSpickler@Structurlam.com

Costa & Associates|STRUCTURAL ENGINEERS POSITIONS OPEN

Project Structural Engineer – The position requires an individual that has a minimum of 10 years' experience with a minimum of 5 years in projects under the CBC Code and DSA Jurisdiction. California State SE or CE licensed required. Proficiency with Ram Analysis Software is a plus. The position requires the engineer to participate in developing engineer solutions, perform analysis and design calculations, develop details and supervise the development of structural drawing plans and details, studies, reports, site visits to observe the construction effort, etc.

CAD/Revit Structural Designer – Position requires proficiency in both Revit and AutoCAD environments with a minimum of 5 years' experience in the production of structural drawings and building structures.

Submit all resumes including references to Ms. Linda Grasso (lgrasso@costaassoc.com). All resumes submitted shall be reviewed and a response will be provided within one week.



Structural Engineers Association OF SOUTHERN CALIFORNIA

COMMITTEE LEADERS

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.

Committees	*Board Contact Chair & Vice-Chairs	Phone	Email
Membership	Victoria Wigle* Kerry Regan Christian Cody	310-665-0010 818-729-9777	vwigle@thorntontomasetti.com kregan@rishacom christian.cody@hilti.com
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Sub Cmte: Webinars			
Professional Bus. Practices	Bob Lyons*	818-729-9777	blyons@rishacom
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Seismology	Colin Kumabe* Jesse Karns Mikhail Gershfeld Ashi Dhalwala Colin Kumabe	213-482-0447 562-964-7962 253-565-6600 310-828-1422 213-482-0447	colin.kumabe@lacity.org jkarns@sideplate.com mikhail.gershfeld@gmail.com cegin1@yahoo.com colin.kumabe@lacity.org
Sub Cmte: Research			
Sub Cmte: Steel Bldgs.			
Existing Buildings	Edgar Plazola* Daniel Zepeda	310-640-0123 213-596-5000	eplazola@insight-se.com dzepeda@degenkolb.com
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Please visit

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

to view the annual committee charges and tasks.

