



# SEA - NEWS

A Publication of SEAOSD - Structural Engineers Association of San Diego

May

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2017

## 2016-2017

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### **In This Issue**

**May 16, 2017 SEAOSD Fellow & Member Luncheon**

**DAMPER COLLAPSE PREVENTION**

### A Message From Your President

Thanks to those that attended our joint meeting with EERI last month. We enjoyed learning about progress in the Los Angeles region along with hearing about the start of some efforts in the San Diego region. The topic "From Earthquake Scenario to Resilience by Design - What San Diego can Learn from the Los Angeles Experience," was presented by Tony Court, SE, SEAOSD Past-President and SEAOC Fellow, President of AB Court & Associates and Co-Chair of Working Group 2 of the EERI San Diego-Tijuana Scenario team and David Cocke, SE, current Vice-President of EERI and President and founder of Structural Focus in LA. Then after their presentations, a panel with Tony and David as well as myself representing SEAOSD, Diane Murbach from Working Group 1 of the EERI San Diego-Tijuana Scenario team, and Roberto Ruiz-Salas from Working Group 3 of the EERI San Diego-Tijuana Scenario team was moderated by EERI SD President Jorge Meneses. There was some great discussion with the clear message that there needs to be greater public awareness in the San Diego region on the seismic risks from our existing building inventory. For those interested in learning more about the San Diego-Tijuana Scenario, please visit EERI San Diego's website: [http://sandiego.eeri.org/?page\\_id=265](http://sandiego.eeri.org/?page_id=265). SEAOSD is a participating organization with Tony Court serving as our liaison. Lastly, I'd like to thank Kelar Pacific for sponsoring the event.



Our next member meeting is approaching and will be held on May 16th at Stone Brewery Liberty Station and will be our annual Fellow's luncheon. The presentation will be on "Seismic Retrofit of an 8 story Confined Masonry w/Dampers," presented by Eric Lehmkuhl, SE, SEAOSD Past-President and Principal with KPFF. We'll also be joined by SEAOC Executive Director, Don Schinske. I encourage all SEAOC Fellow and Life Members to attend!

I want to take a moment to be sure our members are aware of the SEAOC Foundation. The SEAOC Foundation is a 501(c)(3) public charity dedicated to protecting the public through supporting education and research in the field of structural engineering. Individuals and firms can donate (tax deductible) to the Foundation and earmark the funds to any of the member organizations such as SEAOSD. The Foundation is used to fund scholarships and fund research Initiatives. To learn more, please visit <http://seaoc.org/seaoc-foundation>.

Our May meeting will also be the last call for nominations for the SEAOSD Board of Directors. We're an organization of professionals in a niche field, so it's critical that leaders in our local structural engineering firms get involved and contribute. Once the ballots are set by the nominations committee, voting members will receive a ballot in late May. If you would like to nominate a member (including self-nominations), please contact Past-President and Nominating Committee Chair, Ryan Turner at [Ryan.Turner@dgs.ca.gov](mailto:Ryan.Turner@dgs.ca.gov).

The Convention committee continues to work towards the 2017 Convention being held at the Hilton San Diego Resort & Spa from September 13

Hotel Churchill, a historic unreinforced masonry infill building, was to be remodeled. Built in the 1920's as a hotel, the building would be re-purposed into affordable housing. Interestingly, the required renovations did not trigger a code reanalysis and retrofit. Working with the architect and owner, the structural engineers developed a plan to mitigate the most egregious deficiency, the soft story at the street level, within the project budget.

The following schemes were investigated:

- 1) Addition of concrete shear walls at lower levels
- 2) Addition of viscous fluid dampers at the street level

Option 2 was recommended and chosen.

Interesting aspects of the project:

- Voluntary retrofit
- Performance Based Design and full peer review
- Development of reduced hazards and associated performance
- Mass reduction as part of the retrofit strategy
- Modeling of unreinforced masonry infill walls
- Time history analysis
- Point non-linear model to simplify the analysis
- Architect chose to expose the dampers
  - FRP strengthening of diaphragms and unreinforced concrete columns

#### Speakers Bio:

Eric Lehmkuhl S.E., SECB, Leed AP is a Principal with KPFF Consulting Engineers, a 1000-person engineering firm with offices throughout the United States. He has a Bachelor of Science Degree from the University of California at San Diego and a Master of Science from San Diego State University and is a licensed structural engineer in California and other

through the 15th. The exhibitor registration and hotel block are currently open and can be accessed at <https://convention.seaoc.org/>. Please reach out to the 2017 Convention Co-Chair, Steve Kerr at [chair@convention.seaoc.org](mailto:chair@convention.seaoc.org) if you're interested in getting involved.

As always, please feel free to reach out to me or any Board member with suggestions to enhance our organization or to get involved.

Michael Braund, S.E.  
President@SEAOSD.org  
SEAOSD President  
2016-2017

## Thank to our Golf Tournament Sponsors

Thank you to all the companies that made this a success!

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**SEAOSD Members: 2017 Excellence in Structural Engineering Awards -**

states. He is a past president of SEAOSD and a past chairman of the SEAOSD Seismology Committee. He has 30 years of structural engineering experience designing all types of structures.

Aaron Pebley, S.E. is a Project Manager and Associate at with KPFF Consulting Engineers. He received his Bachelor of Science from the University of California, San Diego and Master of Science degree from the University of Texas, Austin. Aaron has worked on a wide variety of different projects with a particular emphasis on new healthcare construction and existing building renovations. Aaron has over 12 years of structural engineering experience.

Shaun Walters P.E., is a Project Manager with KPFF Consulting Engineers. He has a Bachelor of Science Degree from San Diego State University and a Master of Science from the University of California at San Diego. He was awarded the Nabih Youssef Young Engineers Award in 2015 for his role in the new Sempra Energy Headquarters building and has 10 years of experience in the engineering and construction industry.

Also attending meeting with be SEAOC Executive Director Don Schinske.

"The 2017 Excellence in Structural Engineering Awards- People's Choice"

Cast your votes for the People's Choice Awards at the May 16th Member luncheon. The projects in the running for awards will be on display. Let us know which is your favorite.

The winners will be notified the first week of June and honored at the June 20th 2017 Awards Dinner. "

## Call For Entries- DEADLINE EXTENDED

It's not too early to start preparing for the 2017 Excellence in Structural Engineering Awards!

Please click [here](#) to download the entry packet.  
Entries are due Thursday May 4th, 2017

SEAOSD is proud to announce a few key changes this year...

Or the rules are available on the website:  
<http://www.seaosd.org/media/awards-and-achievements>

- 1) The SEAOSD Awards entry process has been combined with the state level SEAOC Awards program. This new integrated program is now a two-tiered process to truly reveal the best of the best of structural engineering excellence in California.
- 2) Projects must be submitted to the SEAOC/SEAOSD Awards program. There will no longer be a separate application for the SEAOC Awards. Projects that win a Regional (SEAOSD) award will be automatically advanced to the SEAOC Awards program. \*\*New Addendum: Eligible projects now include SEAOSD Awardees from 2015 or 2016 that were not previously submitted to SEAOC Awards in the last two years can be submitted to SEAOSD and will be advanced to SEAOC. See the latest entry package for additional information.
- 3) The only entry fee is the SEAOC/SEAOSD Awards entry fee of \$150. No additional entry fee will be required for advancement to the SEAOC Awards. \*\*Project eligible to be entered to SEAOC under the addendum require an entry fee of \$75.
- 4) Display boards are no longer optional and are due at the same time as the electronic submission materials.
- 5) The winners of the SEAOC/SEAOSD Awards will be displayed at the 2017 SEAOC Convention hosted right here in San Diego! This is a chance for your firm to shine in front of all Convention attendees in our own back yard.

"The Seismology Committee is currently working in updating the Blue Book, the 60th Anniversary of this very important publication is in 2019.

We are currently seeking members participation for getting involved in this effort as well as for joining this committee , if you are interested please contact: Victor Garcia [vgarcia@dgs.ca.gov](mailto:vgarcia@dgs.ca.gov) or by phone to (858)674-5438

Event Sponsor:



TIME: Registration: 11:30 am /  
Lunch: 12:00 pm / Program:  
12:15pm /  
Questions 1:15pm

COST: SEAOSD Members:  
\$30.00 / Non-Members:\$40.00 /  
Students \$10.00/Fellow & Life  
FREE

PAYMENT: Cash, check or credit  
card. Checks made payable to  
SEAOSD. You may mail your  
check in advance to P.O. Box  
712922 Santee CA 92072.

PLACE: Stone Brewery Liberty  
Station, 2816 Historic Decatur  
Rd. #116, San Diego, CA  
92106

RESERVATIONS: MUST be  
received by May 12th, Noon. If  
you choose to walk-in the day of  
the Lunch, please be advised  
that your meal is not guaranteed  
and an additional charge of \$5  
will be added to the cost of the  
lunch. If you make a Lunch  
reservation and fail to attend you  
will be invoiced. By Phone: 619-  
733-2734 E-  
Mail: secretary@seaosd.org, or  
by responding to the email  
invitation.

CANCELLATION: Please CANCEL  
your reservation(s) at least 24  
hours in advance if you are  
UNABLE to attend .

[Click here to Register](#)

Mark your Calendars for our next  
Member Dinner Meeting (Awards  
Night)

June 20, 2017, will be our next  
meeting. More information to  
follow soon.

## 2017 SEAOC CONVENTION

Calling for Members within your companies to join us as we plan the 2017 SEAOC Convention and SEAOSD's 50th Anniversary Celebration! The SEAOC Convention will be hosted at the beautiful Hilton San Diego Resort & Spa in Mission Bay.

### Passionate about Structural Engineering? Share your enthusiasm with future engineers through the University SEAOSD Mentoring Program.

- **INVITE** Structural Engineering Students from local Universities to visit your firm and work with you for 2-4 hours. Job shadowing gives students an opportunity to spend time observing engineers and learning more about professional roles related to their major.
- **EDUCATE** students about the professional world of Structural Engineering. As a mentor, you will have the opportunity to offer advice and tools to help your student assess his or her strengths and seek out opportunities to grow in areas that need improvement.
- **INSPIRE** talented members of the up and coming Structural Engineering work force. Students are eager to hear about your "real life" career experiences, talk about challenges, as well as success. Additionally, students seek advice on how to shape their "life after college".

Examples of ways to introduce students to the workplace and profession:

- Give a tour of your office or job site and work space
- Show them examples of types of projects you have worked on

Examples of office tasks that students can perform include:

- Quantity take-offs
- Verifying survey data on plans
- Computing dead loads
- Simple flexure and shear computations

Note: It is not intended for students to perform billable work, rather replicate work.

Please fill out the attached mentor registration form. Registration forms are continuously accepted.

[Click here for the application](#)

## New Member Applicant Postings



## Company Sponsorship Opportunities

SEAOSD Advertisement Policy -  
2016/2017

Job Forum Postings

Advertisements

\* Business Card in Professional  
Directory

Annual Sponsorship Program  
Annual Events

Payment Information:

\* All advertisements are to be  
prepaid.  
\* Send checks and  
advertisement material directly  
to the Executive Director prior to  
the deadline.

\* Make checks payable to the  
Structural Engineers Association  
of San Diego (SEAOSD). Upon  
request, credit card payments  
will also be accepted.

\* For further information, please  
contact the Executive Director  
(contact information below).

[Click here to see the  
Advertisement Policy for 2016-  
2017](#)

## 2017 SEAOC Convention

It may seem far away, but the 2017

## USRC Certification & New Membership Opportunities

The US Resiliency Council (USRC - [www.usrc.org](http://www.usrc.org)) is pleased to  
announce two important new opportunities as it launches its  
rating system for the earthquake performance of buildings.

1. Join the USRC as we embark upon our mission to  
implement meaningful rating systems that describe the  
performance of buildings during earthquakes and other  
natural hazards.
2. Apply to become a USRC Certified Rating Professional  
and/or Certified Rating Reviewer to perform and review  
USRC ratings.

New membership opportunities and benefits are described at  
[www.usrc.org](http://www.usrc.org), where you can join online.

[TO READ MORE CLICK HERE](#)

## COMMITTEE ROSTER

Your 2016-2017 Committee Roster

[CLICK HERE](#)

**The IABSE Symposium will be held in Vancouver,  
BC on Sept 21- 23, 2017, and will be  
hosted by SEABC**

[Click here for more information](#)

- This major international structural engineering  
conference will bring the world's leading structural  
engineers to our shores
- Attendance of over 600 is expected
- The event venue is the Westin Bayshore Hotel,  
which has an unparalleled waterfront location with  
breathtaking views in Downtown Vancouver, adjacent to  
beautiful Stanley Park
- There is a comprehensive technical program  
based on the theme - Engineering the Future

SEAOC Convention in San Diego, is just around the corner! It will be held at the Hilton San Diego Resort and Spa at Mission Bay on September 12-17, 2017. If you are interested in joining the committee contact Steve Kerr at [skerr@jwa-se.com](mailto:skerr@jwa-se.com)

## Younger Member Forum

If you are 35 or under and would like to participate in the SEAOSD YMF activities, contact YMF Chair, Jacqui Le. He will let you know about upcoming YMF events and add you to the mailing list.

**Jacqui Le**  
**KPFF**

[Click here to email](#)

## Quick Links

[Our Website](#)

[Job Forum](#)

[Events](#)

## Professional Directory



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- There are four on-site pre-conference workshops available Sept 18-20, 2017
- Registration for the full technical program is now open
- Early-bird expiry date is May 31, 2017
- For members requiring accommodation, there are limited rooms available at the special conference rate which are expected to sell out - book early to avoid disappointment:  
<http://www.iabse2017.org/general/hotel>
- Web: [www.iabse.org/Vancouver2017](http://www.iabse.org/Vancouver2017)
- Email: [info@iabse2017.org](mailto:info@iabse2017.org)

Note that all rates are quoted in CAD (currently, 1.00 CAD = 0.747 USD).

If you have any questions, please contact me.

Thank you to you and your SEA colleagues for helping to promote the 2017 IABSE Symposium - I look forward to seeing your members in Vancouver next September.

David Harvey, P.Eng., Struct.Eng., FEC, F.ASCE  
President, SEABC  
<http://www.seabc.ca/harveyd@ae.ca>

## JOB FORUM

### April



*SMR-ISD is a service-oriented firm providing high quality structural engineering design services for nearly 40 years. We enjoy beautiful views of the San Diego Bay and the Star of India.*

**Project Engineers:  
5 years min.**

- **Structural design and analysis experience**
- **Aptitude for creative problem solving, strong verbal and written communication skills**
- **California Registration as Civil Engineer (PE)**
- **Master's Degree and/or SE license preferred.**

**3 years min.**

- **Structural design and analysis experience**
- **Excellent interpersonal, planning, documentation and problem solving skills**
- **California Registration as Civil Engineer (PE)**



[www.geoconinc.com](http://www.geoconinc.com)



[www.cavignac.com](http://www.cavignac.com)

## 2017 Calendar

**Stone Brewery**  
**2816 Historic Decatur Rd.,**  
**Bldg. 1, #116**  
**San Diego, CA 92106**

Tuesday, June 20, 2017 Member  
Dinner!

**\*\*Meeting sponsorship opportunities available for the 2017 meetings. Contact [secretary@seaosd.org](mailto:secretary@seaosd.org) for more details. Future meeting details will be posted on the website ([www.seaosd.org](http://www.seaosd.org)) as they become available.**

## SEAOSD Board of Directors Meeting

The SEAOSD Board of Directors normally meets the second Tuesday of every month. The April Board of Director's meeting will be held on Tuesday, May 16, at 10:00AM at the Stone Brewery. If you have an issue to bring before the Board please let a member of the Board know so that it can be placed on the agenda. The past agendas/minutes can be viewed on the SEAOSD webpage at <http://www.seaosd.org>.

Send correspondence to: SEAOSD, P.O. Box 712922, Santee, CA 92072,

Please email your cover letter and resume to:  
[reception@smr-eng.com](mailto:reception@smr-eng.com).



**Job Title: Structural Engineering Associate**  
**Opening Date/Time: Fri. 04/21/17 12:00 AM Pacific Time**

**Closing Date/Time: Mon. 05/22/17 5:00 PM Pacific Time**

**Salary \$66,622.40 - \$80,454.40 Annually**

*Structural Engineering Associate positions review building plans for compliance with building code regulations, ordinances and the Municipal Code for compliance with fire resistance, life safety, disabled access, and for structural design provisions; provide technical information on the application of regulations to professional architects, engineers, contractors and to other non-professional applicants.*

For minimum requirements and to apply visit: [www.sandiego.gov/empopp/current](http://www.sandiego.gov/empopp/current)



**Job Title: Structural Engineering Assistant**  
**Opening Date/Time: Fri. 04/21/17 12:00 AM Pacific Time**

**Closing Date/Time: Mon. 05/22/17 5:00 PM Pacific Time**

**Salary: \$57,865.60 - \$69,721.60 Annually**

*Structural Engineering Assistant positions review building plans for compliance with building code regulations, ordinances and the Municipal Code for compliance with fire resistance, life safety, disabled access, and for structural design provisions; provide technical information on the application of regulations to professional architects, engineers, contractors and to other non-professional applicants.*

For minimum requirements and to apply visit: <https://www.sandiego.gov/empopp/current>

**March**

## SEA-NEWS Deadlines

June 2017	05/20/17
July 2017	06/20/17
August 2017	07/20/17
September 2017	08/20/17

These dates are subject to change.  
You may contact the Editor:

Heather  
[secretary@seaosd.org](mailto:secretary@seaosd.org)  
Phone: 619-733-2734  
c/o SEAOSD  
P.O. Box 712922, Santee CA 92072

All submissions must be given to the Editor by **12:00 PM** the day of the deadline to allow time for formatting and printing.

Thank you,  
**SEAOSD Publications Committee**



### *Structural Engineer:*

***Mour Group Engineering + Design is seeking a Senior Structural Engineer that is detail oriented, has strong leadership skills, with project management design experience with public and private sector projects.***

***Mour Group Engineering + Design, is based in San Diego, California with strong growth potential. We are an integrated design and engineering firm providing full-service support with our creative team, which provides architecture, structural engineering, tenant improvement, and interior design services for the results-driven client.***

***Providing services for a wide array of projects in both North and South America, Mour Group specializes in long-term client relationships. Collective expertise includes: historic rehabilitation, large scale commercial, retail and industrial projects, multi-story offices, restaurant, hospitality, and residential structures, as well as retail, automotive, market and restaurant facilities - in both chain and standalone format.***

***Candidate must have at minimum a bachelor's degree in civil engineering or structural engineering, 5 years experience in the design of commercial or residential structures, and hold a professional Structural or Civil Engineer's license. Position offers competitive wages, full health, dental, vision, and 401k benefits. Email resume to [Elizabeth@mourgroupp.com](mailto:Elizabeth@mourgroupp.com).***



Saiful Bouquet Structural Engineers, an award-winning firm with offices in Pasadena and San Diego, currently has an opening for a structural engineer in the San Diego Office. We are seeking a qualified and motivated individual who is interested in experiencing the challenge and pride that comes with being responsible for a variety

of projects from unique new buildings to the strengthening of existing structures.

Opportunity is available for a Project Engineer/Senior Engineer with 8 years minimum experience. Master's degree preferred.

Must have DSA experience and possess a California P.E. License - Licensed S.E. is a plus!

Applicants should have strong communication/people skills along with a collaborative personality!

Must have experience in a wide variety of structural materials and building types with emphasis on steel and concrete.

We offer competitive compensation, benefits package, and a collaborative working environment that promotes professional growth and development.

Please email here for more information: [careers@saifulbouquet.com](mailto:careers@saifulbouquet.com)



*KPFF offers a comprehensive benefits package, and a supportive environment where every employee is an important part of the team. If this sounds like the right place for you, please submit your cover letter, resume and references (2-3) through the links below. Qualified applicants only, and no phone calls please. KPFF is an equal opportunity employer.*

**Position - Structural Engineer (Experienced 3-8 yrs.) - San Diego, CA**

**Apply Here: [chc.tb.e.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF\\_2&cws=63&rid=271](http://chc.tb.e.taleo.net/chc05/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=271)**

**Position - Structural REVIT/AutoCAD Drafter (Experienced 2+ yrs.) - San Diego, CA**

**Apply Here: [chj.tb.e.taleo.net/chj04/ats/careers/requisition.jsp?org=KPFF\\_2&cws=63&rid=439](http://chj.tb.e.taleo.net/chj04/ats/careers/requisition.jsp?org=KPFF_2&cws=63&rid=439)**

## Special Discount for SEAOSD Members

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<https://www.pubservice.com/SUBNEW1PAGE.aspx?PC=SD&PK=J68SES>