



# SEA - NEWS

A Publication of SEAOSD - Structural Engineers Association of San Diego

March

Volume 51, Issue 3

2017

## 2016-2017

### SEAOSD Board of Directors

President  
Mike Braund  
mbraund@degenkolb.com

Vice President  
Curtis Patterson  
curtis@pattersoneng.com

Treasurer  
Peter Carlson  
pcarlson@miyamotointernational.com

Past President  
Ryan Turner  
ryan.turner@dgs.ca.gov

Director 2016-2018  
Luvelyn Benitez  
lbenitez@hope-amundson.com

Director 2016-2018  
Jeremy Callister  
jcallister@degenkolb.com

Director 2015-2017  
Steve Kerr  
[skerr@jwa-se.com](mailto:skerr@jwa-se.com)

Director 2015-2017  
Lisa Bridge  
lbridge@miyamotointernational.com

Executive Administrator

Heather Caya

[seaosd@cox.net](mailto:seaosd@cox.net)

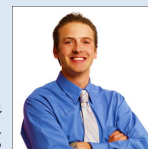
## In This Issue

March 21, 2017 SEAOSD Joint meeting with ACI San Diego

Join us on March 21, 2017 Joint member meeting with ACI SD The Reorganized

A Message From  
Your President

Thank you to all the members and sponsors that made our Annual Student Night a success. I want to personally thank our Program's Chair and Vice-President, Curtis Patterson and our Student Liaison Chad Closs for planning and executing a successful event. Ian Mellor gave an interesting and engaging presentation on "A Structural Engineer's Role in Post Disaster". I also want to thank the panel consisting of: Matthew Martinez - Moffatt & Nichol, Jacqui Le - KPFF, Ian Mellor - Mellor Engineering, and Casey Whitsett - Hope-Amundson Structural Engineers, for giving the students a look into their careers. Congratulations to our scholarship winners:



- Christina Ngo from UCSD - At-large \$2,000 winner
- Alex Chen - UCSD \$1,000 winner
- Henryk Pedersen - SDSU \$1,000 winner

Student Night, wouldn't have been possible without the support of these firms and businesses: ESGIL, Corporation, Cavnac & Associates, Degenkolb Engineers, KPFF, Josephson Werdowatz, Hope-Amundson, Miyamoto International, Wiseman & Rohy, SidePlate, Curry Stenger Engineering, Reid Middleton, SMR Consulting Group, RCP Block & Brick, Simpson Strong-Tie, Saiful Bouquet, CVSIC, aark Engineering, and SDSE. Thank you for your support!

Our next member meeting will be a lunch meeting at Stone Brewery Liberty Station on March 21st at noon. The presentation will be on the updates and reorganization to ACI 318-14 by Andrew Taylor, Ph.D., SE, FACI from KPFF's Seattle office. Dr. Taylor is chair of the Seismic Provisions subcommittee of the ACI 318 Building Code, and past chair of the Earthquake Engineering Committee of the Structural Engineers Association of Washington.

The Convention committee continues to work towards the 2017 Convention being held at the Hilton San Diego Resort & Spa from September 13 through the 15<sup>th</sup>. Exhibitor registration and the hotel block is currently open at <https://convention.seaoc.org/>. The committee is always looking for more help, so 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.

OH! San Diego hosted by The San Diego Architectural Foundation (SDAF) with SEAOSD as program partner is being held on March 25-26, 2017 throughout San Diego's downtown region. The event is a free event and looks to highlight the architecture and built environment in our city. San Diego is only the 3<sup>rd</sup> city in the US to host this event that has been hosted in more than 30 international cities around the globe. Visit <http://sdarchitecture.org/program/openhouse/> for more information.

Please reach out to me or any of the other Board members if you have suggestions or are interested in getting involved.

## The Reorganized ACI 318-14 Code - What You Need to Know

Between the 2011 and 2014 editions of the ACI 318 Building Code Requirements for Structural Concrete the code was completely reorganized.

The purpose of this reorganization was to improve the ease-of-use of the code, to clarify how the provisions of the code relate to one another, and to minimize duplication of information. The core of the ACI 318-14 code is now organized around the design processes for individual members: one-way slabs, two-way slabs, beams, columns, walls, diaphragms, foundation, and plain concrete members. Supporting chapters contain requirements for general provisions, structural systems, joints and connections, section capacities, and construction provisions. This presentation covers the rationale for the reorganization, an overview of the re-organized code, an example of design using the ACI 318-14 provisions, and recommended resources for becoming familiar with the new code.

Bio:

Andrew W. Taylor, Ph.D., SE, FACI, is KPFF's technical lead for design of special seismic systems such as seismic isolation and seismic damping. He has 29 years of experience in structural engineering, including seven years with the Building and Fire Research Laboratory at the National Institute of Standards and Technology. Dr. Taylor served as the lead structural engineer for design of the seismic isolation and damping system for the Tzu Chi General

## SEAOSD 16th Annual Golf Tournament on April 17, 2017 at Twin Oaks Golf Course in San Marcos

Join us on April 17 for our 16th Annual Golf Course! This event is one of our biggest fundraisers of the year.

The proceeds from this tournament allow us to underwrite technical seminars throughout the year for engineers, students, and all stakeholders in the industry. It also funds our annual scholarships which are awarded to the engineering schools at UCSD and SDSU.

We have several company sponsorship's available for anyone looking to promote their business!

[Click here for the application](#)

## SEAOSD Members: 2017 Excellence in Structural Engineering Awards - Call For Entries

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 April 27th, 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>

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

- 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

Hospital in Taiwan, which is the largest base isolated hospital in the world, the seismic isolation retrofit of the historic 1875 Pioneer Courthouse in Portland, OR, the seismic isolation design of four seismically isolated biotech research laboratories in Seattle, WA, and the Liberty Mutual Data Center in Redmond, WA. Dr. Taylor is chair of the Seismic Provisions subcommittee of the ACI 318 Building Code, and past chair of the Earthquake Engineering Committee of the Structural Engineers Association of Washington.

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  
\$20

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 March 17th,  
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](mailto:secretary@seaosd.org), or  
by responding to the email  
invitation.

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.

### ***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.

### **AIA/ASHRAE/SEAOSD YOUNGER MEMBER MIXER**

Thank you to all who attended our YMF Mixer on March 2.



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



[Click here to Register](#)

Event Sponsored by:

Mark your Calendars for our next Member Dinner Meeting (Joint with EERI) April 18, 2017, will be our next meeting. More information to follow soon.



### New Member Applicant Postings

Riley Stauffer - Associate  
Alyssa Perez - Associate  
Tahzay Ramirez - Member

### 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

### 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

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 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](#)

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.

For questions, email Sabina Piras at [sabina.piras@tylin.com](mailto:sabina.piras@tylin.com)

[Click here for the application](#)



## 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](#)

## *JOB FORUM* *February*

**BUILDING TRUST** 

**ADRIANO "A.B." BORTOLIN**  
District Manager/Senior Sales Engineer - Refurbishment, Sealing & Bonding

**SIKA CORPORATION**  
201 Polito Avenue - Lyndhurst, NJ 07071

**PERSONAL OFFICE**  
3010 Azular Street - Carlsbad, CA 92009  
Office: 760 632 1637 - Cell: 619 871 7452 - Fax: 760 632 1637  
bortolin.adriano@us.sika.com - usa.sika.com

<https://usa.sika.com/>

**RCP** "Quality & Service Since 1947"  
**BLOCK & BRICK**

**Gina Adams, CDT, CSI**  
Architectural Representative

☎ (619) 460-7250  
☎ (619) 247-6594  
☎ (619) 460-7326  
✉ gadams@rcpblock.com

8240 Broadway • Lemon Grove, CA 91945 • [www.rcpblock.com](http://www.rcpblock.com)

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

**DARREN J. MEDEIROS**

P.O. Box 387  
Coalville, Utah 84017

Phone: 801.243.7473  
Plant: 801.467.2800  
Fax: 801.359.8541  
ucorp4@utlive.com  
[www.utelite.com](http://www.utelite.com)

**UTELITE**  
CORPORATION

[www.utelite.net](http://www.utelite.net)

**VERCO DECKING, INC.**  
a **NUCOR** company

**Steel Roof and Floor Deck**

**Engineering Office:** **Steve Wiesner**  
Los Angeles, CA (714) 938-0307  
swiesner@vercodeck.com

**Sales Office:** **Jim Taylor**  
Los Angeles, CA (714) 939-9128

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

**GEOCON**  
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

*Success Built on Service*

SAN DIEGO (858) 558-6900

MURRIETA LOS ANGELES SAN BERNARDINO BAKERSFIELD  
SACRAMENTO LIVERMORE RENO/LAKE TAHOE LAS VEGAS PORTLAND

[WWW.GEOCONINC.COM](http://WWW.GEOCONINC.COM)

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

**CAVIGNAC & ASSOCIATES**  
INSURANCE BROKERS

460 B Street | Suite 1800 | San Diego, CA 92101 | [cavignac.com](http://cavignac.com)

Kelly Potter, PWCA | Account Executive  
[kpotter@cavignac.com](mailto:kpotter@cavignac.com) | 619-744-0585

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



**JOB TITLE:** *Engineering Specialist (Assigned to Construction Inspection)*

**LOCATION:** *San Francisco, CA*

**JOB OPENING:** *4394 & 4395*

*The Judicial Council of California is currently recruiting for an Engineering Specialist in its Judicial Branch Capital Programs Office. The Judicial Branch Capital Program Office has responsibility for business and planning, design and construction, risk management, and quality compliance of the state's courthouses.*

*For more information and to complete an online application, please visit our website at [www.courts.ca.gov/careers](http://www.courts.ca.gov/careers).*

*To obtain a paper application, please download a copy from the Careers page of our website at [www.courts.ca.gov](http://www.courts.ca.gov) under the Special Access section and click on the Employment Application link.*

**OR mail it to:**

**Judicial Council of California  
Human Resources**

**455 Golden Gate Avenue, 5th Floor**

**San Francisco, California 94102-3660**

**415-865-4272 Telecommunications Device for the Deaf**

**The Judicial Council of California Is an Equal Opportunity Employer.**



**Project Engineer / Manager**

*Wiseman + Rohy Structural Engineers is a full service Structural Engineering company with four decades of quality projects constructed around the United States. Most of these projects are in Southern California and western states.*

*We have an opening for an engineer with over 5 years of experience in structural engineering. This position offers the opportunity to participate in challenging and unique projects in all types of commercial structures. We are looking for a highly motivated engineer to become a long-term part of this established company.*

**Immediate position available.**

**Please Send Resumes To: [HR@wrengineers.com](mailto:HR@wrengineers.com)  
Special Discount for SEAOSD Members**

San Diego Business Journal is offering a discount to SEAOSD members for new subscribers. Please click on the link below to

## Calendar

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

Tuesday, March 21, 2017 Member Luncheon & Joint meeting with ACI San Diego!

Monday, April 17, 2017 is our Annual Golf Tournament at Twin Oaks!

Tuesday, April 18, 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 March Board of Director's meeting will be held on Tuesday, March 21, at 10:00 AM 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, (619) 733-2734 or email [secretary@seaosd.org](mailto:secretary@seaosd.org).

## SEA-NEWS Deadlines

March 2017	02/20/17
April 2017	03/20/17
May 2017	04/20/17
June 2017	05/20/17

These dates are subject to change.

find out what is included in the yearly subscription, sign up, and receive the discounted price of \$69.

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

## Open House San Diego



Open House San Diego  
March 25 & 26, 10am - 4pm  
Locations throughout Downtown San Diego, Bankers Hill, Balboa Park & Barrio Logan

This free event celebrates the best of our city's architecture by offering behind-the-scenes access to 40+ iconic sites. Each one contributes in a unique way to the fabric of our city, with architectural, historic or cultural value. Some will offer scheduled talks and guided tours on a first-come, first-served basis. Others will require reservations.

The full list of sites, as well as an advance reservations link, is available at [www.sdarchitecture.org/program/openhouse](http://www.sdarchitecture.org/program/openhouse)  
Tel: (619) 232-1385

[2017 Media Kit](#)

[Open House San Diego 2017 Event Guide](#)  
[Social Media How to](#)



## San Diego Area Chapter of the ICC

Presents

2016 CBC & 2015 NDS/SDPWS Wood Design Updates  
Participants will accrue 0.6 CEUs from ICC PP Course No. 10791  
Instructors: Michelle Kam-Biron, PE, SE, SECB and Karyn Beebe, P.E., LEED AP BD&C

Date: Friday March 17th, 2017  
Time: 8:30 am to 4:30 pm  
Registration from 8:00 to 8:25 am

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**

Location: City of San Diego, 1st Floor RH Auditorium  
9601 Ridgehaven Ct  
San Diego, CA 92123

Cost: \$100.00 per person, includes lunch

Refreshments: Lunch at noon, Coffee (am), Water, and light snacks will be provided during class

Registration: ONLY Available online until Tuesday 3/14/17 or when registration is full

Eventbrite registration website link:

<https://www.eventbrite.com/e/2016-cbc-2015-ndssdpws-wood-design-updates-tickets-32156109790>

#### Course Description:

This course will identify significant changes in the CBC from the 2013 to 2016 edition updates to the associated referenced standards National Design Specification (NDS) for Wood Construction and Special Design Provisions for Wind and Seismic (SDPWS). Participants will be presented with those changes that will most impact their use of the code when they apply the 2016 CBC and include shear wall and diaphragm design examples as well as considerations related to durability.

Upon completion, participants will be able to:

1. Identify the most significant differences between the 2013 CBC and the 2016 CBC affecting wood design and construction.
2. Discuss significant changes between the 2012 and 2015 NDS and of significant changes between the 2008 and 2015 SDPWS.
3. Understand three types of SW and the of a design example with flexible diaphragm.
4. Identify the significant considerations that impact the durability of wood construction.

#### Instructor Bios:

Karyn Beebe, P.E., LEED AP BD+C, is an Engineered Wood Specialist serving the Southwest and the Member Services Liaison (MSL) for the Field Services Division of APA. A licensed Professional Engineer in the state of California, Karyn graduated from Purdue University with a BS in Civil Engineering. Her duties include consulting with designers on the efficient specification of engineered wood products in construction. As the MSL, she manages the APA Field Staff conducting complaint resolutions nationwide of built structures through analysis of design and construction. Karyn is a co-author of the APA/ICC Guide to the 2012 IRC Wood Wall Bracing Provisions. She is an active member of the Structural Engineers Association, the U.S. Green Building Council, and is a Past President for the San Diego Area Chapter of the ICC. Prior to joining APA, Karyn worked as a structural engineer and structural plan reviewer for the San Diego building department.

Michelle Kam-Biron, PE, SE, SECB, is a California licensed structural engineer and Senior Director of Education for the American Wood Council (AWC) where she oversees and develops continuing educational resources related to structural wood for architects, engineers, and code officials. She has authored several published articles and white papers related to wood construction. She also has over 20 years of experience managing, designing and plan reviewing a wide range of projects of various structural materials as well as Division of State Architect contract plan review. Ms. Kam-Biron graduated from Cal Poly, San Luis Obispo with a BS in Architectural Engineering, is a certified Earthquake Disaster Assessment volunteer and a member of the International Code Council. She also volunteers her time on the NCSEA Basic Wood Education and CALBO Structural Safety Committees, is Chair of ASCE-SEI Wood Education Committee,



