



SEA - NEWS

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In This Issue

December 20, 2016 SEAOSD
joint Luncheon with ASCE

Join us on December 20, 2016
for our joint seminar with
ASCE!

WE ARE AT THE HANDLERY
HOTEL!

The Cross Border Xpress (CBX) Terminal Building and Pedestrian Skybridge

Abstract:

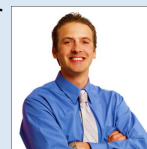
The Cross Border Xpress (CBX) Terminal Building and Pedestrian Skybridge is an unprecedented binational project that provides direct, secure, and convenient access between a new terminal building in San Diego and the Tijuana International Airport (TIJ).

This skybridge enables ticketed passengers flying into or out of TIJ to avoid unpredictable border wait times and often lengthy delays at congested land ports of entry at San Ysidro or Otay Mesa. After eight years of planning and preparation, CBX opened for public use in December 2015.

In the U.S., CBX's two-level terminal facility features more than 65,000 square feet of indoor and outdoor patio waiting areas for passengers and guests, along with retail, duty free, food and beverage venues, and fully bilingual customer service. The facility is open 24/7, with convenient short- and long-term parking on-site, as well as a variety of ground transportation options including rental car, taxi, Uber, and shuttle access. The complex, multi-faceted 390-foot-long pedestrian bridge connecting the new terminal to TIJ blends engineering and construction excellence with binational collaboration, requiring bilingual

A Message From
Your President

I'd like to start off by thanking all that attended our November Committee night with a special presentation on "Soft Story Retrofit Ordinances and Solutions" presented by Annie Kao, PE. Annie did a great job covering the Soft Story issues, but also gave a thorough overview on some of the most vulnerable existing buildings types along with what different jurisdictions throughout California are doing to mitigate these buildings.



SEAOSC held their annual Strengthening Our Cities Summit in Los Angeles on November 17th and 18th, which concluded with the release of the [Safer Cities Survey](#) of 191 jurisdictions in Southern California. The survey included six of the Southern California counties that are part of Southern California Association of Government (www.scag.ca.gov), which does not include San Diego County. SEAOSC has partnered with the Dr. Lucy Jones Center for Science and Society to perform a survey of the critical building ordinances and policies in these 191 cities. Dr. Lucy Jones was later interviewed on [NBC Los Angeles](#) to discuss the results of the survey. SEAOSD is planning to reach out to the team that performed this survey to further expand it to include San Diego County. The results of this survey, along with the ongoing efforts led by EERI for the [San Diego-Tijuana Earthquake Scenario](#) project, will serve as tools for policy makers in our region to prepare for the next regional earthquake.

The SEAOSD Existing Buildings Committee is currently leading an effort to inventory high risk buildings starting with non-ductile concrete and soft story buildings. As structural engineers, we're a rather small group of individuals with a unique expertise on building performance. Many community leaders are unaware of expected performance from code designed building, let alone the large stock of existing buildings in our region. I encourage our members to get involved and share our expertise to better inform the public and ultimately better prepare our communities.

Our next member meeting is on Tuesday, December 20th and will be a lunch joint meeting with ASCE at Handlery Hotel in Mission Valley (not Stone Brewery). The topic will be "The Cross Border Xpress (CBX) Terminal Building and Pedestrian Skybridge", presented by Paul Morel and Karibia Baillargeon both with Kleinfelder. We hope you'll join us for this lunch meeting.

Hope everyone has safe and Happy Holidays!

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

coordination between the design team and contractors on both sides of the border.

Speaker Biographies:

Paul Morel is currently a Principal Engineer at Kleinfelder with 15 years of professional experience in bridge design, bridge seismic retrofit, and retaining wall design.

He is a registered professional engineer in California and has a Master's Degree in Structural and Earthquake Engineering from UCLA. He has extensive experience with AASHTO and Caltrans requirements. He has been involved in the design and management of a wide range of bridge engineering projects from planning studies through final design and construction, including vehicular, pedestrian, light rail, and heavy rail bridges.

Karibia Baillargeon currently serves as a bilingual Assistant Project Manager at Kleinfelder in the bridge group working on both privately and federally funded bridge projects throughout Southern California and Mexico. She has a Bachelor of Science Degree in Civil Engineering from San Diego State University, specializing in construction and environmental engineering. She has 8 years of experience in commercial civil design and construction, planning, project administration, water infrastructure and mechanical systems.

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

COST: SEAOSD Members: \$27.00 / Non-Members:\$37.00 / Students \$10.00/Fellow & Life \$20/Public Agencies \$12

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: Handlery Hotel 950 Hotel Circle North, San Diego CA 92108

RESERVATIONS: MUST be received by Thursday, December 8, Noon. If you choose to walk-in the day of the Lunch, please be

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.

For questions, email Sabina Piras at sabina.piras@tylin.com

[Click here for the application](#)

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 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 Luncheon January 17, 2017 will be our next meeting. More information to follow soon.

New Member Applicant Postings

Matthew Fontanesi - Member

Company Sponsorship Opportunities

SEAOSD Advertisement Policy - 2016/2017

Job Forum Postings

Advertisements

* Business Card in Professional Directory

Annual Sponsorship Program
Annual Events

USRC Certification & New Membership Opportunities



The US Resiliency Council (USRC - 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, where you can join online.

[TO READ MORE CLICK HERE](#)

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.

COMMITTEE ROSTER

Your 2016-2017 Committee Roster

[CLICK HERE](#)

JOB FORUM November



aark engineering inc. is a small consulting structural engineering firm looking to hire a Project Engineer with a minimum of 5 years of structural engineering and design experience. California licensed PE is required or must be obtainable through reciprocity within a year. An aptitude for creative problem solving, strong verbal and written communication skills and good AutoCAD and Revit experience are preferred.

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 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

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](#)



Structural Engineer: *Mid-sized multi-disciplined firm is seeking to fill mid-level structural engineering for a variety of commercial projects, including industrial, manufacturing, retail, and office projects in the Southwestern United States and for international projects. Candidate must have at minimum a bachelor's degree in civil engineering or structural engineering, minimum 5 years' experience in the design of commercial or residential structures, and professional licensure is preferred. Position offers competitive wages, full health, dental, vision, and 401k benefits.*

Email resume to Elizabeth@mourgroupp.com.



Kleinfelder's San Diego office (previously Simon Wong Engineering) has an opening for a dynamic and eager to grow entry-level Structural Engineer to join our team!

Requirements:

- 0-3 years of experience in structural engineering.
- Proficient use of RISA 3D, SAP, or similar software to perform structural analysis.
- Course work in designing steel, concrete, and masonry structures and related connections
- Experience in analyzing equipment and structures for seismic and wind related loads
- Knowledge of IBC requirements and related structural codes.

Education: Master's degree preferred.

For further information, Please see SEAOSD website Job Forum. To apply, go to www.kleinfelder.com and visit the Careers web page.

WINTER EDUCATION PROGRAM



Professional Directory

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/>

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www.geoconinc.com

Join Us For An Education Program on
LA Ordinance and the 2016 CBC Code and Standard Update
Friday, January 20, 2017, 8:30am - 5:00pm &
Friday, January 27, 2017, 8:30am-5:00pm
Registration Opens at 7:30am. Breakfast and Lunch is provided
Attendees will receive Design Guide Discount: \$8 off NDC & \$5
SWOF

The Grand Event Center
4101 East Willow Street, Long Beach, CA 90815
Attend One Day: \$215 (Member) or \$430 (Non-Member) | Attend
Both Days: \$370 (Member) or \$740 (Non-Member)
Sponsorships: \$425: 2-day Tabletop Exhibit Display
**Students with valid ID receive 50% discount off Member
price**

Session #1 - Friday, January 20, 2017, 8:30am-5:00pm (6 PDH Credits)
Topics:

- Introduction to 2015 IBC/2016 CBC Code Updates - by Alan Carr, S.E., Senior Staff Engineer, ICC
- ASCE 41-13 vs ASCE 31-03 and 41-06 - by Daniel Zepeda, S.E., Principal, Degenkolb Engineers
- A Preview of Major Changes in ASCE 7-16 - by S.K. Ghosh, PH.D, President, S.K. Ghosh Associates
- LA Ordinance Discussion: Soft Story - by Russell McLellan, M.S., Staff Engineer, Simpson Gumpertz & Heger

Session #2 - Friday January 27, 2017 - 8:30am-5:00pm (7 PDH Credits)
Topics:

- Wood Design Code Updates - by Michelle Kam-Biron, S.E., SECB, Senior Director of Education, American Wood Council
- The 2015 IBC/2016 CBC Masonry Design Code Updates - by James Mwangi, Ph.D, S.E., Professor California Polytechnic State University San Luis Obispo
- DSA/OSHPD Code Updates - by M.R. Karim, S.E., SHFR, OSHPD & Ron LaPlante, S.E., Supervising Structural Engineer, DSA
- LA Ordinance Discussion: Non-Ductile Concrete - by Josh Gebelein, M.S., S.E., Associate Principal, Brandow & Johnston Structural & Civil Engineers

Click Here to [Register](#) or Visit website at www.seaosc.org

SEAOSD Members need to select the "SEAOSD Member" field and use the code "SEAOSD" in order to register at the member rate!

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

www.cavignac.com

2016 Calendar

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

Tuesday, December 20, 2016
December joint meeting with ASCE
@ Handlery Hotel

*****Meeting sponsorship opportunities available for the 2016 meetings. Contact secretary@seaosd.org for more details. Future meeting details will be posted on the website (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 October Board of Director's meeting will be held on Thursday, December 15, at 11:30 AM at the KPFF. 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.

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>

SCSE at UCSD 12th Annual Career Fair January 27, 2017

[Click here for more details](#)

SE Research Showcase Day February 23, 2017

The Structural Engineering Department at UC San Diego is one of the top academic and research entities in the field.

Being the only standalone Structural Engineering program in the nation, our research spans a diverse range of structural materials, types, length scales, and application areas. The breadth of research activities can be broadly categorized into six core areas: Aerospace Structures & Advanced Composites; Civil Structures; Computational Mechanics; Geomechanics; Mechanics & Materials; and Structural Health Monitoring.

[Click here for more information](#)

SEA-NEWS Deadlines

January 2017	12/20/16
February 2017	01/20/17
March 2017	02/20/17
April 2017	03/20/17

These dates are subject to change.

You may contact the Editor:

Heather

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