Membership Appreciation Event 2015  
Angels Baseball Game  
May 30, 2015

It’s that time of year again… Time to celebrate you, SEAOSC Members! Last year we had a blast at Six Flags riding, waterballooning, eating delicious food and networking with our fellow members. This year we invite you to join us for a special celebration as we enjoy America’s favorite pastime: Baseball! We have arranged a fun-filled evening to watch the Los Angeles Angels of Anaheim take on the Detroit Tigers on Saturday, May 30. The fun includes not only great seats for the game but an in-stadium pregame social in the centerfield patio area that includes access to the stadium.

It will be an evening the whole family will enjoy. Please see the details below and be sure to sign up at www.seaosc.org by May 7.

We look forward to seeing you at the event!

Sincerely,
Nolan Lenahan, PE, Membership Committee Chair  
Kelsey Anne Parolini, SE, Membership Committee Board Representative

EVENT DETAILS

Date: Saturday, May 30, 2015
Location: Angel Stadium, 2000 East Gene Autry Way, Anaheim, CA 92806
Time: 5:00pm Pre-Game Social  
7:05pm Game (Fireworks following game!)

Your Ticket Includes:
Seat in SEAOSC reserved section, Outfield Section 258  
Pregame Social at Centerfield Patio incl. games & activities  
Food ($30 value)  
Menu: Hot Dogs, Bratwurst, Fruit & Wedge Salads, Assorted Soda and Water, Cookies, Cracker Jacks  
Cash Bar Available, First Drink on Us  
Fireworks display following game  
(Parking not included, $10 per vehicle)

Ticket Prices  

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<td>$25</td>
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</table>

Example:
Price for SEAOSC Member & Guest = $70 (Compared to over $120 for regular price tickets, food & drink, over $50 savings!)

Pre-registration required. Register online at www.seaosc.org
Registration Deadline: Thursday, May 7
For more information and to register visit www.seaosc.org

REGISTRATION NOW OPEN AT SEAOSC.ORG
Deadline is May 7
The SEAOSC membership will be asked to vote in May for the nominees for incoming board of directors. Voting members are defined in the SEAOSC Bylaws Article II Membership and include the categories of “Member SE” and “Member”. Other membership categories are not eligible to vote in association elections.

Voting will begin in early May 2015 by Constant Contact email announcement and reply. Electronic ballots must be received by 5 pm, Friday, May 29, 2015. Election results will be announced at the June 3, 2015 dinner meeting. The newly elected directors will take office July 1, 2015 for a two-year term.

The Nominating Committee, chaired by Senior Past President Joe LaBrie, S.E., announced the following slate of nominations for the 2015-2016 Board of Directors:

Treasurer: Robert Lyons, S.E.
Member SE Orange County: Todd Brown, S.E.
Member SE Tri-County: Jeffrey Haight, S.E.
Member SE: Victoria Wigle, S.E.
Member PE: Lorena Arce, P.E.

Officers for 2014-2015, according to succession procedure, will be Michelle Kam-Biron, S.E., President, and, Jeff Ellis, S.E., President-Elect.

Kevin O’Connell, S.E. will continue to serve on the board of directors as the Immediate Past President.

Also continuing on the board of directors will be Colin Kumabe, S.E., Edgar Plazola, S.E., Joseph Valancius, S.E., and Paul Van Benschoten, S.E.

Additional nominations for the office of President-Elect, Treasurer or Director were called for in March, in accordance with procedures outlined in the SEAOSC Bylaws Article VI, Section 2. No additional nominations were received from the membership.

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

- Michelle Kam-Biron, S.E.
- Jeff Ellis, S.E.
- Janah Risha, S.E.
- Tim Kaucher, P.E.
- Francisco Garcia, P.E.
- Nils Fox (Industry)
- Doug Thompson, S.E. (Alternate/Obseree)
- Joe LaBrie, S.E. (Chair)

Please direct any questions regarding the upcoming election to the SEAOSC office at seaosc@seaosc.org.
I don’t have to tell you, but the year seems to be flying by quicker than ever. It’s almost May! And springtime for SEAOSC means it is time for our member appreciation event. SEAOSC exists for its members and that is reflected in our Vision and Mission statements. I encourage you to re-read those statements where you will read terms like “The organization services its members...” and “SEAOSC is a member-centric organization...” and “…optimization of the benefits to the members.” The Board of Directors works carefully and diligently to do what is right for this association, and what is right for this association is what is right for our members. The benefit to our membership is at the center of all of our decisions. The Board appreciates our members, so a few years ago we decided to have an event without any technical presentation, without any educational aspect, but purely for the “camaraderie among members” which is part of our Membership Value mission statement. Two years ago we spent a day at the races at Santa Anita, last year we rode the roller coasters at Magic Mountain, and this year we are taking you out to the ol’ ball game. Come with us to an Angel’s baseball game on Saturday, May 30. We’ll tailgate together at the Centerfield Patio at 5 pm, sit together and watch the game at 7 pm, and then enjoy a fireworks show after the game (rumor is, the fireworks are just for SEAOSC). Registration is open, see the website for additional information. Be sure to sign up by May 7 to that we can have an accurate count.

The Spring Educational Program is also coming up soon. Look for additional information in this newsletter. In addition to a full slate of education engineering topics on Saturday, we are also providing Safety Assessment Program (SAP) training on Friday. We are also excited to have our Spring Education Program and SAP training at a new location on the Westside. I hope you enjoy the new venue, and please be sure to give us your feedback.

Many of our committees are operating on all cylinders and doing great things. If you want to get involved in SEAOSC, I encourage you to look into one of our committees. It is an easy way to participate, and you can tailor your participation to fit your schedule! SEAOSC is always looking for people to bring fresh energy and ideas to our committees. Whether your interests are technical (Seismology, Existing Buildings, Codes and Standards) or non-technical (Membership, Education, Image and Public Relations), there is a committee for you. Take a look at the end of this newsletter and give the committee chair or board contact a call.

There are a couple of important SEAOSC items coming up for our members. The first is voting for the next SEAOSC Board of Directors. Voting information will be coming out soon.

The second is submitting one of your projects for the SEAOSC Excellence in Structural Engineering (EISE) awards. Entries for our annual awards program are due at the end of April, just a couple weeks away. I have always found our EISE awards to be a very important aspect of what SEAOSC does. Earlier in this message, I wrote about our Vision and Mission. Our Vision includes “…promoting the contributions of structural engineers to society.” What a better way to promote structural engineers contributions to society than by acknowledging the incredible projects that our members have engineered. There are many categories, both small and large projects are considered, so I encourage you to take your best project or two and enter them into the SEAOSC EISE awards (and later in the SEAOC awards). Recognition amongst your peers is well worth it, and recognition amongst your clients is valuable.

I hope you have been taking advantage of all that SEAOSC has to offer, from our educational programs and webinars, to our monthly meetings, to our membership appreciation event. The Board is always working for you, if you have any questions please feel free to reach out to a Board member.

Respectfully,
Kevin O’Connell, S.E.
SEAOSC President
Deadline Approaches- April 30, 2015: Excellence In Structural Engineering Awards

The annual SEAOSC Excellence in Structural Engineering Awards program is dedicated to publicly acknowledging outstanding achievements in creative design, technical innovation, best practices and demonstrated contributions to both the public and the structural engineering profession.

The awards program honors the on-going commitment to advancing the art and science of structural engineering for both the built environment and public safety.

The rules and regulations for the annual awards program can be obtained by downloading the entry packet from www.seaosc.org.

Entry date submission deadline: 5:00 pm, April 30, 2015 at Simpson Gumpertz & Heger, Los Angeles.

WELCOME NEW MEMBERS

Industry
Vince Benitez
Specialized Testing, Inc.
vbenitez@specializedtesting.com

Associate Level 1
Michael Tsai
KPFF Consulting Engineers
miketsai19@gmail.com

Students
California State University, Irvine
California State Polytechnic University, San Luis Obispo
University of Southern California
University of California, Los Angeles
Clemson University, South Carolina
Case Western Reserve University, Ohio

March 2015
Volunteers Needed for 2015 Buildings At Risk Event

The 5th annual Buildings at Risk (BAR) Summit has started planning for another great event this year! Every year, the BAR Summit, presented by SEAOSC, brings together community leaders to present resources and tools for building owners, businesses, and government officials to understand the risks they face and how to mitigate losses.

SEAOSC is looking for volunteers to contribute to this year’s planning effort! We have volunteer opportunities to fit any schedule, so now is the time to learn how you can impact this annual event.

We will be holding an informational meeting via GoTo Meeting on April 22 at 4pm, where we will discuss the goals of this year’s summit, the planning that has happened to date, and the future roadwork needed.

If you or other industry professionals would like to participate in the event planning, please email seaosc@seaosc.org to indicate your interest, or ask any questions. We look forward to your response and speaking with you soon!

Please see details about the 2014 BAR Summit: Strengthening Our Cities at barsummit.org
Below is a question from SEAOSC member, John Liao, seeking additional information on this case study. Please contact the SEAOSC office with comments or questions and we can pass on to Mr. Liao.

Please advise:

3-story wood frame building with 2 decks on 2nd floor, one side of the deck is a 42 in. high handrail (diagram available for those who inquire). This is about lateral Seismic analysis. The story shear at each floor/roof level is obtained from the base shear formula. (56k, 84k, and 114k respectively), the shear force on col. Line A at roof level is 14k. The unit shear stress in the 4 resisting shear panels (neglecting 2 windows and 2 open decks) is as calculated (see diagram).

Question: On deck area, would it be better to provide a strut (collector) at roof level on col. Line A tying together the two parts of the structure? (42 in high handrail is not assumed to transmit the shear force effectively.)

On the other hand, without providing strut as shown originally, the unit shear stress (0.586k) calculation is o.k.ed?

Sincerely,

(Continued on the next two pages)
**Calculation**

\( \frac{56 \times 144}{44} = 1.27 \text{ k/ft} \)

\( 1.27 \times 22 = 27.97 \text{ k} \)

**Use Type B**

\( v_a = 760 \text{ k/ft} \)

\( v_a = 640 \text{ k/ft} \)

**Unit Shear in Shear Panels**

\( u = \frac{14 \times 6}{(6+6+6)} = 0.564 \text{ k/ft} \)

**Window**

42'' High Handrail
ALLOWABLE LATERAL SHEARS FOR VERTICAL SHEAR PANELS

A. 7/16” CDX plywood with 8d nails @ 4” o.c. at edges and 12” o.c. field, penetrated in framing 1 1/2”, with stud spacing equal to 16”, face grain running across studs, and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider with nails staggered. 380 plf

B. Same as Type A except panels shall be applied on both sides 760 plf

C. 7/16” CDX plywood with 8d nails @ 3” o.c. at edges and 12” o.c. field, penetrated in framing 1 1/2”, with stud spacing equal to 16”, face grain running across studs, and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider. with nails staggered. 490 plf

D. Same as Type C except panels shall be applied on both sides 980 plf

E. 7/16” CDX plywood with 8d nails @ 2” o.c., at edges and 12” o.c. field, penetrated in framing 1 1/2”, with stud spacing equal to 16”, face grain running across studs and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider. with nails staggered. 640 plf

F. Same as Type E except panels shall be applied on both sides 1280 plf

G. 19/32” CDX plywood with 10d nails @ 4” o.c., at edges and 12” o.c. field, penetrated in framing 1 5/8”, with stud spacing equal to 16”, face grain running across studs and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider. with nails staggered. 510 plf

H. Same as Type G except panels shall be applied on both sides 1020 plf

I. 19/32” CDX plywood with 10d nails @ 2” o.c., at edges and 12” o.c. field, penetrated in framing 1 5/8”, with stud spacing equal to 16”, face grain running across studs and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider. with nails staggered. 870 plf

M. Same as Type I except panels shall be applied on both sides 1740 plf

N. 7/16” Structural I plywood with 8d nails @ 2” o.c., at edges and 12” o.c. field, penetrated in framing 1 1/2”, with stud spacing equal to 16”, face grain running across studs and applied direct to framing. Framing members receiving edge nails from abutting panels shall be 3x or wider with nails staggered. 732 plf

P. Same as Type N except panels shall be applied on both sides 1464 plf

Q. 7/16” CDX plywood with 8d nails @ 6” o.c. at edges and 12” o.c. field, penetrated in framing 1 1/2”, with stud spacing equal to 16”, face grain running across studs, and applied direct to framing. 240 plf

NOTE: 1. All plywood panels may be replaced by OSB panels if strength and durability are equal or better.
2. The edges of all plywood panels (any type) shall be supported w/ 2x or wider framing members.
“It Ain’t What it Used to Be: The Completely Reorganized ACI 318-14 Concrete Code”

You open your new copy of ACI 318-14, and quickly find out that your favorite provisions are somewhere else: they simply are not where they used to be. Chapter names are different, and the style of the language has changed too. The 2014 edition of the ACI 318 Building Code Requirements for Structural Concrete is completely reorganized, front to back, outside and inside, as compared to the 2011 edition. Find out why this was done, and learn how the new organizational structure is intended to function. Substantive technical changes will not be readily apparent because of all of the other changes, so this presentation will point out a few of them. ACI has made available some resources to assist you with navigating the 2014 edition, and these will be briefly reviewed.

Conrad Paulson, S.E., P.E.

Conrad Paulson is a Principal in Structural Engineering with the Los Angeles (Pasadena) office of Wiss, Janney, Elstner Associates (WJE). He is a voting member of two subcommittees of ACI 318, and is also a voting member of two subcommittees of the AISC Committee on Specifications. He has been employed at WJE for the past 32 years, and after spending 30 years in Chicago, relocated to Southern California.

Location: Glen Annie Golf Club, 405 Glen Annie Road, Santa Barbara, CA 93117

Time: Registration and Networking Happy Hour: 5:30pm, Dinner: 6:30pm, Program: 7:15pm - 8:30pm

Cost: Member $35, Students: $25, Walk-ins $45, Table of 8: $245

Please inform SEAOSC in advance if you prefer a vegetarian entree. Reservations: Make advance reservations via SEAOSC.org, fax or email by April 20. Prepay by providing your credit card number & expiration date. “Walk-ins” welcome.

TRI-COUNTIES DINNER MEETING RESERVATION FORM: April 22, 2015

Please print legibly!

Attendee(s): ____ @ $35 = $_____

Students: ____ @ $25 = $_____

Table of 8: ____ @ $245 = $_____

# of Vegetarian Entrees Requested:______

TOTAL = $_____

Name(s): ________________________________________________________________

Firm: __________________ Phone: ___________ Email: _______________________

Card number: ____________________________________________________________________ Expiration date: ___________

Signature: ___________________________________________ Zip Code: _____________

Billing Address: ____________________________________________________________________
Webinar: The New ASTM A1085 Specification: A New Dynamic for HSS
Wednesday, April 29, 2015

With the adoption of the new ASTM A1085 specification in early 2013, Hollow Structural Sections (HSS) produced to a higher standard are now available. This new manufacturing standard raises the bar on the performance of HSS used in structures subjected to seismic and fatigue related loads. With tighter material tolerances, a higher minimum yield stress, a required Charpy V-Notch test, and cap on the minimum yield stress, this new specification makes designing with HSS easier and more economical, especially for buildings and bridges subjected to fatigue and seismic loads. This session will cover the history and development of the new spec and show how economical HSS can be through design examples.

Following this session, attendees will:
• Gain awareness of ASTM A1085 and how it differs from ASTM A500
• Understand the design opportunities the specification provides, especially in seismic applications
  • Design example and discussion of material availability
  • Know where to find additional resources on A1085

Brad Fletcher, S.E., is the senior sales engineer at Atlas Tube. In this role, Brad leverages his 20 years of experience in engineering design and the steel industry to provide technical expertise on the use of steel hollow structural sections (HSS) and pipe piling products to design engineers, detailers, fabricators and architects.

A registered structural engineer in the state of Illinois, Brad has held senior positions at leading architecture and engineering firms, Skidmore, Owings & Merrill; Sargent & Lundy; and Halvorson and Partners. For the past eight years, most recently while working at Tata Steel (formerly known as Corus) and now with Atlas Tube, Brad has focused his efforts on serving as a liaison between structural designers and the steel industry.

Time: 12:00pm-1:00pm
Cost: SEAOSC Members: $75, Nonmembers: $150, Members of any SEA $100

View Full Details and To Register Online:
1. SEAOSC Members: Login with your username & password to access the member discount.
2. Everyone: Visit seaosc.org/events to register.
Notes, if available, will be available to download after registration using the link provided.
Together CCC ICC & SEAOSC Present:

**International Building Code Essentials for Wood Construction**

&

**Seismic & Wind Design Considerations for Wood Framed Structures**

By Michelle Kam-Biron, PE, SE, SECB
Director of Education, American Wood Council

**April 30, 2015**

8:00 am—12:00 pm

San Luis Obispo County Community Room

995 Palm Street

Questions?

Call Bryan Spain, 805-792-1109

**CCICC & SEAOSC**

Member Cost: $35

Non Member Cost: $50

Register Via Pay Pal at:

Centralcoasticc.com

Or by Mail:

City of Paso Robles

Attn: Lori Wilson

1000 Spring Street

Paso Robles, CA 93446

(make check payable to CCC ICC)

AWC is an ICC approved preferred provider

**3.5 CEU’s**
Welding Engineering – Duane K. Miller, Sc.D., P.E.  
May 1, 2015 8:00 a.m. - 5:00 p.m.  
Gold Coast Hotel ■ 4000 W. Flamingo Rd. ■ Las Vegas NV 89103

PRESENTATION SYNOPSIS
Welded connections are an essential part of today's steel structures and yet many Structural Engineers have received little or no training on this important topic. This one-day seminar will serve as a primer on welded connections, covering topics from the fundamentals to advanced subjects. The presentation will cover:

- **Basics of Welded Connections**  
  This session will consist of a review of applicable welding codes, the basics of welded joints and weld types, and required weld metal strength levels. Details for welded connection details will be discussed, including the basic criteria to be used to determine weld throat dimensions.

- **Principles of Welded Connection Design**  
  Twelve design-related principles that should be considered when welded connections are designed and detailed. The principles are discussed and then illustrated with examples of connections that comply and do not comply with the concepts.

- **Welding of Seismically Resistant Connections**  
  The requirements of the AWS D1.8 Seismic Welding Supplement are reviewed with a specific focus on the requirements that must be specified by the Engineer, what compliance to these requirements looks like, and why such provisions are in the Code.

- **Special Welding Applications**  
  There are a variety of "standard" special welding applications that are encountered in by Structural Engineers that often create perplexing challenges. Practical solutions to a dozen routine problems are presented, including some "field fixes" to problems that are frequently experienced.

ABOUT THE SPEAKER
Duane K. Miller, Sc.D., P.E. is a recognized authority on the design and performance of welded connections. He is a popular speaker on the subject and has lectured around the world. Dr. Miller publishes frequently and on three occasions, has been awarded the Silver Quill Award of the American Welding Society (AWS) for the excellence of his published work. In 2001, he received the American Institute of Steel Construction's T. R. Higgins Lectureship Award, which annually recognizes an outstanding lecturer and author whose technical papers are considered an outstanding contribution to the engineering literature. In 2005, he received AISC's Lifetime Achievement Award and in 2013, the George E Willis award from the AWS for his work in advancing welding internationally. He has authored and co-authored chapters of many texts, including the AISC Design Guide on Welding and the Mark's Handbook of Engineering, 11th Edition. He has appeared as a subject expert on the History Channel and Discovery Channel.

Dr. Miller earned a B.S. degree in Welding Engineering from LeTourneau University in Longview, Texas, an M.S. in Materials Engineering from the University of Wisconsin - Milwaukee, and was awarded an honorary Doctor of Science degree from LeTourneau University in 1997. He is the immediate past Chair of the AWS D1 Structural Welding Code Committee. He was the first Chair of the Seismic Welding Subcommittee and is a former co-chair of the AASHTO-AWS D1.5 Bridge Welding Code Committee, a current member of the AISC Specification Committee, a Professional Engineer, Certified Welding Inspector and Qualified Welder.

REGISTRATION FEES
Registration fee includes presentation, continental breakfast, lunch, refreshment breaks, and seminar handouts. **SEASoN is extending membership rates to individuals who are members of other state Structural Engineering Associations and to AWS members. Deadline to register is Monday, April 27, 2015.**

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CANCELLATION POLICY
You have until noon on Wednesday, April 29, 2015 to cancel your registration and receive a refund less a $50 processing fee. Substitutions from within the same company will be accepted.

PROFESIONAL DEVELOPMENT HOURS
A certificate for 8.0 Professional Development Hours will be issued at the conclusion of the seminar.

REGISTER ON-LINE
If you would like to pay by credit card you must register on-line. Please click on the link below to be taken to the on-line registration form.

Register On-Line

REGISTRATION FORM

Company

Address

Phone

Fax

Name

Email

Name

Email

Member of AWS or Structural Engineers State Association - Circle One:

AWS  NV  CA  AZ  UT  CO  NM  Other_______

If you fax or email your registration, it will not be confirmed until your payment is received. A confirmation email will be sent to each attendee once payment is received. Please make checks payable to: SEASoN.

Mail payment and registration form to:

SEASoN  
P.O. Box 35081  
Las Vegas NV  89133  
Fax: 702-656-4981  
Email: seasonlv@earthlink.net

If you have questions about the seminar please call Dawn Miller at 702-203-7817 or email her at seasonlv@earthlink.net
Part 1: The ATC-115 Roadmap
by Mark Perniconi, Executive Director, Charles Pankow Foundation
The Charles Pankow Foundation has completed a major research initiative titled *Roadmap for the Use of High-Strength Reinforcement in Reinforced Concrete Design*, which was managed by the Applied Technology Council and has been given the working title of the “ATC-115 Project.” The result is a detailed roadmap that specifically identifies the technical support required to effect updates of ACI 318 to allow the general use of reinforcing steel bars beyond Grade 60. The project identified the steps necessary to technically update the ACI 318 Code to allow for the use of steel reinforcement bar with yield strength up to 100 ksi, including ductile Grades 80 and 100 for seismic applications, as is now being produced at the current state-of-the-art technology for steelmaking.

Part 2: Fy=100 ksi: Not Just “Plug and Play” into ACI 318
By Conrad Paulson, Principal, Wiss, Janney, Elstner Associates, Inc.
The integration of Grade 100 reinforcement into the ACI 318 Code will not be a simple process. The current general limit of 80 ksi on maximum specified yield strength is not simply driven by reinforcement in tension, but also addresses concerns about strain compatibility in compression and serviceability performance of members in shear and torsion, among others. This part of the presentation examines likely applications where use of Grade 100 reinforcement might be beneficial, while at the same time pointing out some limitations and current concerns not yet addressed by available research. Also included will be a “snapshot” of the likely tensile properties for ductile Grade 100 reinforcement.

Location: Luminarias, 3500 Ramona Blvd., Monterey Park, CA 91754
Time: Registration and Networking: 5:30pm, Dinner: 6:00pm, Program: 7:15pm-8:30pm
Cost: Member $35, Students: $25, Walk-ins $45, Table of 8 $245
Please inform SEAOSC in advance if you prefer a vegetarian entree.
Reservations: Make advance reservations via SEAOSC.org, fax or email by May 4th.
Prepay by providing your credit card number & expiration date. “Walk-ins” welcome.

LA DINNER MEETING RESERVATION FORM: May 6, 2015
Please print legibly!

| Attendee(s): _____ @ $35 = $_____ |
| Students: _____ @ $25 = $_____ |
| Table of 8: _____ @ $245 = $_____ |

# of Vegetarian Entrees Requested: ______

TOTAL = $_______

Name(s): __________________________________________
Firm: ___________________________ Phone: ___________ Email: __________________________
Card number: ___________________________ Expiration date: ___________
Signature: ___________________________ Zip Code: ___________
Billing Address: _______________________________________

Please inform SEAOSC in advance if you prefer a vegetarian entree.
Reservations: Make advance reservations via SEAOSC.org, fax or email by May 4th.
Prepay by providing your credit card number & expiration date. “Walk-ins” welcome.
CONFERENCE ANNOUNCEMENT

TOWARDS MORE RESILIENT CITIES
Space is limited. Early registration is highly recommended.

FIFTH FLOOR CONFERENCE FACILITIES
FEDERAL RESERVE BANK OF LOS ANGELES
950 SOUTH GRAND AVENUE AT OLYMPIC BOULEVARD
LOS ANGELES, CALIFORNIA
Convenient pay parking is available south of the building on the Olympic Boulevard

FRIDAY, MAY 8, 2015
8:00AM TO 5:30 PM

The 2014 LATBSDC conference will cover a variety of topics related to recent advances in structural design of tall and special buildings. Distinguished speakers will present topics ranging from the new Los Angeles Resiliency Plan, to various seismic rating systems; new tools developed for performance-based design; ATC project updates, modeling and performance of structural walls, ground motion issues for tall buildings, and design and performance of dual systems. In addition, a panel discussion will be held and an update will be provided on planned improvements to the 2014 LATBSDC Design Criteria.

================================= REGISTRATION FORM =================================

ADVANCES IN STRUCTURAL DESIGN FOR SEISMIC REGIONS
MAY 8, 2015

Name ____________________________________________________________________________________________________________

Firm or School _____________________________________________________________________________________________________

Address __________________________________________________________________________________________________________

City, State, Zip, Country ______________________________________________________________________________________________

Phone ________________________  Fax ___________________  E-mail_________________________________________________ ______

Early-Bird Registration Fee (if received by April 20, 2015).................................................................................................................. $250
Registration Fee (if received after April 20, 2015).......................................................................................................................... $300
Students (space is limited to 30 student participants) ........................................................................................................................ $ 40

It is possible to register at the door, but late registrants may not receive a copy of the Proceedings at the conference; late registrants may receive a copy of the proceedings mailed to them after the Conference.  Please pay by check in U.S. currency; the Council is unable to accept credit cards or purchase orders for payment.  Company checks for multiple registrations must include the name of each person being registered.

Make checks payable to:  Los Angeles Tall Buildings Structural Design Council
c/o John A. Martin & Associates, Inc.
950 S. Grand Avenue, 4th Floor
Los Angeles, California 90015
Tel.: (213) 483-6490; Fax: (213) 483-3084
Internet Address:  http://www.tallbuildings.org
E-mail Address: PHamabata@johnmartin.com

A meeting co-sponsored by the Pacific Earthquake Engineering Research Center
Spring Education Programs
Fri. & Sat., May 15 & 16 2015

Attend Friday: $75 (Member) or $135 (Non-Member)
Attend Saturday: $225 (Member) or $450 (Non-Member)
Attend Both Days: $285 (Member) or $550 (Non-Member) Best Value!

**Students with valid ID receive 50% discount off Member price**
Members of SEAOSD received the Member price for either session.

Session 1 (Friday, May 15)
- Safety Assessment Program (SAP) Training (Lisa Shusto, SE & Jon Wren of CalOES) **see additional flyer for more details!**

Session 2 (Saturday, May 16)
- Evaluation of Steel Panel Zone Stiffness Using Equivalent End Zones (Behzad Rafezy, PhD of SidePlate Systems)
- AISC Chapter N – Quality Control and Quality Assurance (Lorena Arce, PE of AISC)
- Curtain Wall Retrofit Design for Blast Loads (Joseph Valancius, SE of Karagozian & Case)
- FRP Strengthening of an Existing Concrete Shear Wall Building (Chris Smith, SE of Englekirk & Sarah Witt, LEED AP of Contech Services)

Westside Conference Center, Pepperdine University
West LA Graduate Campus, 6100 Center Drive, Suite 200, Los Angeles, CA 90045
Free Wi-Fi and floor electrical outlets. $5 Self Parking. Continental breakfast, lunch buffet and refreshments provided.

Visit www.seaosc.org for additional program details. Please return form with payment via email: seaosc@seaosc.org, fax: 562-692-3425, or mail: 1105 S. Euclid St. #D409, Fullerton, CA 92832. Please make checks payable to "SEAOSC."
20% late fee applies beginning after midnight May 8, 2015 and will be added to total if omitted below.
Cancellations refundable until midnight May 8, 2015.

SPRING EDUCATION PROGRAMS REGISTRATION
Please print legibly!

Contact/Attendee Name(s): ________________________________________________________________

Firm: _________________________________________________________________________________

Phone: ___________________ Email: ____________________

Member   Non-Member   Student
Attend Friday Session: ____ @ $75  ____ @ $135  ____ @ $37.50
Attend Saturday Session: ____ @ $225  ____ @ $450  ____ @ $112.50
Attend Both Sessions: ____ @ $285  ____ @ $550  ____ @ $142.50

After midnight May 8 add 20% = $____________

TOTAL= $________

Card number: ___________________________________________ Expiration date: ____________

Signature: __________________________________________ Pin (last 3-4 digits on back of card): ____________

Address where you receive your credit card bill: Location: __________________ Zip Code: ___________
Past Presidents’, Awards & Spouses’ Night
Plus Installation of 2015 Officers

Los Angeles Dinner Meeting
Wednesday, June 3, 2015

Come meet and show your support for your Association’s hard-working volunteers!
See the winners of the Excellence In Engineerings Awards!

Luminarias Restaurant, 3500 Ramona Dr., Monterey Park
5:30 pm - Networking Time
6:30 pm - Dinner
7:30 pm - Program

$35; Full-Time Students - $25; Table of 8 - $245; Walk-ins - $45
Make advance reservations before Friday, May 29 at www.seaosc.org, by fax (562-692-3425), or by email (seaosc@seaosc.org).
Prepay by providing your credit card number and expiration date to avoid waiting at the door. SEAOSC is charged for “no-shows”, so please notify office by deadline if you must cancel.

LOS ANGELES DINNER RESERVATION FORM:  June 3, 2015
Reservations Due Before May 29, 2015

Your Name:_____________________________ Phone:__________________________

General: _____ @ $35 =$ ______
Students: _____ @ $25 =$ ______
Table of 8: _____ @ $245 =$ ______
Past Presidents: FREE! Thank you!

TOTAL: =$ ______
Your email: ________________________________

Credit Card Number: ________________________________ Expiration Date: _____________
Zipcode of Billing Address: _______________ CVV (Last 3-4 digits on back of card): _______
Signature:  ____________________________________________
SAVE THE DATE

2015 SEAOSC GOLF TOURNAMENT

FRIENDLY HILLS COUNTRY CLUB
8500 South Villaverde Drive
Whittier, California 90605
(562) 698-0331

MONDAY
AUGUST 24, 2015

GOLF AWARDS and PRIZES
ON COURSE CHALLENGES
PUTTING CONTEST
RAFFLE
LUNCH and DINNER

DON’T MISS OUT ON A DAY OF GREAT FUN! SIGN UP COMING SOON!

Questions? Please contact either:
Golf Tournament Chairman: Kevin O’Connell
kdoconnell@sgh.com

Executive Director: Lynn Hangar
562-908-6131
seaosc@seaosc.org

SPONSORSHIP OPPORTUNITIES AVAILABLE. INFORMATION COMING SOON!
Holmes Culley is actively seeking Senior Engineers and Project Managers for our new Los Angeles office. This is an excellent, ground-floor opportunity for a self-motivated individual to grow into a management position and help develop our Los Angeles office. Visit www.holmesculley.com and send your resume with cover letter to hr@holmesculley.com.

Provide technical leadership to structural engineers, drafters, and administrative support to ensure the accurate and timely completion of projects.

Oversee the design and construction of projects, review and approval of documentation, including drawings and reports.

Technical project planning for complex projects, including interactions with clients, architects and contractors, for all aspects of the project, including concept, planning, and design to project completion.

Establish and monitor schedules and budgets as they relate to assigned projects.

Develop new project opportunities with new and existing clients.

Have a M.S. in Structural Engineering, and a minimum of 6 years of related experience; Possess a valid PE license; SE license is also a plus.

Your work will be diverse, design based, client facing and include all aspects of a "consulting" service. You will be involved with assessing, strengthening and retrofitting existing buildings as well as designing new structures.

Spire Structural Engineering Inc., Lake Forest, CA

We are a young and growing company positioned for future success. Over the past decade, we have delivered the highest quality design and service to our clients. Our diverse projects utilize all materials, and we work in multiple sectors:

- Healthcare: Equipment/anchorage
- Schools: Seismic retrofit
- Commercial: Landscape/site features
- Retail: Forensic/evaluation
- Industrial: Sports venues
- Restaurants: Tenant improvements
- Residential: Change of use/reuse

We seek team members who share our values, take pride in their work and want to grow professionally with us. Positions are available for both P.E. and S.E. candidates. Only those who are efficient, reliable and detail-oriented need apply. Communication and leadership/management skills are essential and DSA/OSHPD experience is a plus.

Please send resume/cover letter to Jeremy Welton at jwelton@spirestructures.com

MHP STRUCTURAL ENGINEERS – Long Beach

MHP has immediate openings for exceptional engineers in our office near the Long Beach Airport. MHP provides high quality design, seismic retrofit and seismic consulting services to architects, developers, contractors and owners. We design, evaluate and strengthen buildings in the Commercial, Education, Multi-Family Residential and Healthcare sectors. MHP offers full benefits within a challenging and rewarding professional environment.

**DESIGN and PROJECT ENGINEERS**

REQUIRED QUALIFICATIONS: BSCE and 2 years minimum experience in structural design and seismic retrofit of commercial buildings. Preferred Qualifications include MS in Structural Engineering; PE or SE license; strong 3D computer modeling skills; working knowledge and experience using ASCE 41 performance-based code; OSHPD and DSA experience; familiarity with Revit. Experience with non-linear pushover and time-history modeling, viscous dampers and BRBF’s a plus.

**STRUCTURAL DUE-DILIGENCE ENGINEER**

REQUIRED QUALIFICATIONS: BSCE and 2 years minimum experience in structural design and seismic retrofit of commercial buildings including one-year minimum evaluating existing buildings and providing loss estimates (SEL/SUL). PE or SE license REQUIRED. Preferred Qualifications include MS in Structural Engineering and willingness to travel. Additional due-diligence experience a plus.

Please do not respond if Required Qualifications are not met. EOE. Send resume to careers@mhpse.com. Learn more about MHP at www.mhpse.com. No Phone calls please.
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.

### Committees

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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.