



By Kevin O'Connell, S.E.

**"The Board has been
focused on
committee activities
to further SEAOSC's
Realignment Plan"**

It has been a busy couple of weeks for me as SEAOSC President because I have been fortunate enough to attend three different SEAOSC meetings! The first was the February 25 Tri-County meeting at Cal Poly San Luis Obispo, followed by the March 4 Los Angeles meeting at the USC Radisson, and finally the March 10 Orange County meeting in Irvine. The travel was well worth it as I was able to meet engineers from all across our Southern California region. Each meeting had a great turnout, and it is reassuring to see so many of you attend these meetings and support our Association.

The last three weeks have really reinforced to me the greatness of the SEAOSC membership. At the Tri-Counties meeting, I met many young students, in the middle of their engineering studies, bright eyed and looking forward to a career in structural engineering, worried about grades and the E.I.T. The future membership is strong. At the Los Angeles meeting, I listened to experts in our field, at the top of their game, currently practicing state of the art structural engineering by designing an amazing structure that will change the skyline of Los Angeles. The current membership is world class. At the Orange County meeting, I listened to, and spoke with, some of our veteran members, whose shared wisdom inspired a room, whose past leadership allows this Association to flourish, and whose contributions will forever be remembered and appreciated. The membership has a stout foundation. I am sure you agree, SEAOSC has some amazing members.

Many of you know that SEAOSC went through, and in many ways is still going through, a Realignment Plan a few years ago. The realignment plan involved updating our Vision and Mission, refocusing our committees, making some hard choices with our budget, and finding ways to improve your member benefits. If you don't know about the plan, go to our website under "About SEAOSC" to learn more!

One aspect of the Realignment Plan that this year's Board has been focusing on is the committee activities. We realized that many of our committees, recently reformed through the realignment plan, did not have a clear plan of what they should be doing, what tasks they should be tackling, and what product they should be producing. This past fall, the Board decided for the committees to function most efficiently, and provide the greatest benefit to our membership, then needed clear direction and clear charges. Working together with the committees, the Board has is creating Committee Mission statements, Standing Charges,

and Charges for the current year for each committee. Over the last couple months, the Board has finalized this information for four committees, Existing Buildings, Seismology, Membership, and Education. Those committee charges are included in this newsletter, and I encourage you to read through them, and when you find a committee that interests you, give the Chair or Board Contact a call and ask about the next meeting. Get involved, you'll be glad you did!

Bill Warren is not only a past SEAOSC President, but he has also been SEAOSC's representative on the Applied Technology Council (ATC) Board for the past three years. Bill has been doing a great job keeping the Board up to date with various ATC activities, and the SEAOSC Board recently voted to have Bill continue on for another three year term, thank you Bill! There is a brief update to some recent ATC activities in this newsletter, and I encourage you to read that.

Last month I discussed Los Angeles Mayor Garcetti's proposed seismic retrofit ordinances for Wood Framed Soft-Story Buildings and Non-Ductile Concrete Buildings included in his Resilience by Design report, and I encouraged each of you to review the ordinances and submit your detailed and specific suggested revisions. I also announced that SEAOSC was forming an Ad Hoc Committee on Earthquake Performance Rating Systems. It is not too late to give us your comments on the ordinances or add your name to the list of people interested in the ad hoc committee. Please contact Lynn Hanger, Executive Director at seaosc@seaosc.org for both.

I wanted to close this President's Message with a quick thank you. I'd like to thank the Board of Directors. A little mid-year thank you is well deserved. Thank you Doug Thompson, Michelle Kam-Biron, Jeff Ellis, Ken O'Dell, James Parker, Kelsey Parolini, Ryan Smith, Colin Kumabe, Edgar Plazola, Joe Valancius, and Paul Van Benschoten. Your Board of Directors has been hard at work. The time that this Board gives to the Association is impressive, and their dedication to do what is right and in the best interest of the Association is admirable. It is an honor to work with them.

I hope to see everyone at an upcoming SEAOSC meeting or event!

Respectfully,
Kevin O'Connell, S.E.
SEAOSC President

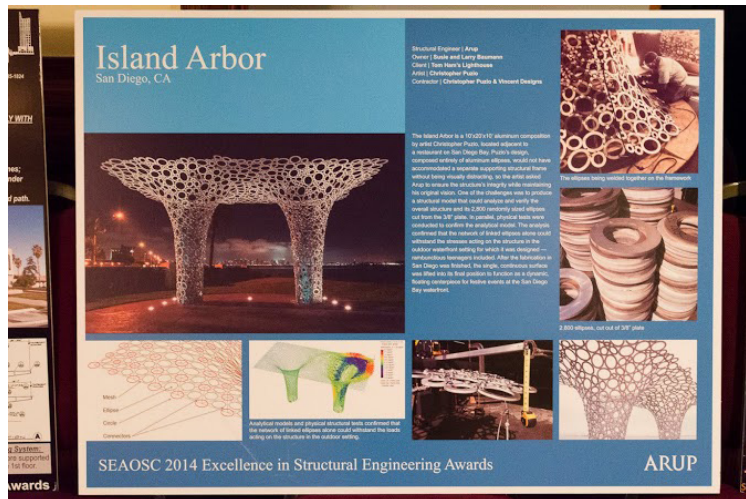
Deadline Approaches- April 30, 2015: Excellence In Structural Engineering Awards

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

Dave Hansen

ASC Steel Deck, Sacramento
dhansen@ascsteeldeck.com

Associate Level 3

Rafael Gonzalez

LaChaine & Associates
rsgonzalez@lachainandassociates.com

February 2015

Member

Phillip Hohensee

HDR

phillip.hohensee@hdrinc.com

Member S.E.

Chiu Tam

City of Los Angeles Dept. of Building & Safety
alan_tam1983@yahoo.com

Students

California State University, Irvine
California State Polytechnic University, Pomona
University of Southern California
University of California, Los Angeles

Applied Technology Council News

By Bret Lizundia (outgoing ATC board member)

The Applied Technology Council (ATC) aims to put the latest structural engineering knowledge in the hands of practicing engineers. I'd like to take the opportunity to update SEAOSC members on ATC news, as this is an exciting time for ATC with new projects, new people, and new partnerships.

Projects: ATC forms teams and peer review panels to provide the best knowledge for each specific project. Individuals involved are often SEAOC members. A sampling of major recent projects follows:

- **FEMA P-58:** ATC has developed next-generation performance-based seismic design guidelines for new and existing buildings. The principal product was the development of a methodology for seismic performance assessment of individual buildings that properly accounts for uncertainty in our ability to accurately predict response, and communicates performance in ways that better relate to the decision-making needs of stakeholders. To allow practical implementation of the methodology, work included the collection of fragility and consequence data for most common structural systems and building occupancies, and the development of an electronic Performance Assessment Calculation Tool (PACT) for performing the probabilistic computations and accumulation of losses. Work continues on related efforts to develop design guidelines using the P-58 approach.
- **FEMA P-154/P-155:** A significant update was recently completed for FEMA's handbook on Rapid Visual Screening of Buildings for Potential Seismic Hazards. This is a sidewalk survey method that takes only a few minutes and does not require calculations to look at the characteristics of a building and determine whether it is a potential seismic hazard. It has been used on thousands of buildings around the U.S., usually as a screening tool as the first step in a seismic mitigation program, and it has served as a model for similar documents in other countries. The Third Edition updated the scoring methodology; added many new features, reference guides, and illustrative figures; and developed a new, optional more detailed evaluation form.
- **ATC-119:** ATC is helping the City of San Francisco with a number of tasks in the City's Earthquake Safety Implementation Program.
- **ATC-78:** This project focuses on the identification and mitigation of nonductile concrete buildings. The activities have taken on special importance given the decision by the Mayor of Los Angeles in 2014 to seek the adoption of a municipal ordinance to reduce the seismic collapse potential of older nonductile concrete buildings.
- **ATC-110:** This project focuses on existing woodframe homes to develop improved evaluation and retrofit techniques for cripple walls and sill plate anchorage.
- **ATC-124 and ATC-114:** SEAOC has previously produced the well regarded Structural/Seismic Design Manual series of design examples for new buildings and a similar document that provides evaluation and retrofit

design examples for existing buildings using the 2009 International Existing Building Code. The ATC-124 project has just started. It will develop evaluation and retrofit design examples to help engineers use the current ASCE/SEI 41-13 standard Seismic Evaluation and Retrofit of Existing Buildings. Collaborative SEAOC involvement is planned. ATC-114 is also underway and includes a focus on developing improved force-displacement curves and modeling advice that will be used for future editions of ASCE/SEI 41.

Detailed information about ATC projects, reports, conferences, and upcoming webinars is available on the ATC website (www.ATCouncil.org).

People: To address a growing workload, ATC recently hired three new staff members. Scott Schiff was a professor of structural engineering at Clemson for many years, with interests in both wind and earthquake engineering, and he will serve as a new Director of Projects. Veronica Cedillos will serve a new Associate Director of Projects. She has significant experience managing earthquake hazard mitigation projects overseas. And Anna Olsen is a new Research Applications Manager who recently worked at USGS.

Partnerships and Collaborations: ATC was originally started by SEAOC, with a focus on seismic engineering. As ATC evolved, it has sought to develop a more national focus and address a wider range of issues, including wind, fire, flood, and coastal engineering. As ATC looks to the future, a larger international presence is being considered.

At the end of 2014, ATC met with representatives of the Institution of Structural Engineers, an international structural engineering organization, to look for ways to work together, and convened a workshop on fire engineering with experts from Britain where the discipline is well advanced. Previously, ATC has helped workshops on flood mitigation and coastal engineering with experts from the Netherlands. And for many years, ATC has held biennial workshops on general structural engineering topics with structural engineering organizations from Japan. ATC has also conducted reconnaissance efforts for selected major earthquakes such as those in Chile, New Zealand, and Japan to help improve ATC products and identify future needs.

Recently, ATC and GeoHazards International (GHI) worked together to adapt the ATC-20-1 field manual for Postearthquake Safety Evaluation of Buildings to Bhutan's unique building stock and cultural context. The project included funding from the World Bank and combined ATC's expertise with postearthquake evaluation and GHI's understanding of Bhutan's needs. The ATC-20-1 Bhutan field manual is cobranded with the Royal Government of Bhutan.

SEAOC Representation on the ATC Board:

Bill Staehlin (SEAOCC) current Treasurer of the ATC Board
Doug Hohbach (SEAONC)
Bill Warren (SEAOSC)
Jim Amundson (SEAOSD) current President of the ATC Board

ATC Applied Technology Council

A Nonprofit Corporation

Advancing Engineering Applications for Hazard Mitigation

California, Delaware, Virginia



New Format for Orange County Dinner Meeting a HUGE Success!

By Ryan Smith, Event Chair

SEAOSC held its Orange County meeting on Tuesday March 10, 2015 at the Oak Creek Golf Club in Irvine, CA. The meeting had different format which was changed from our usual format (social time, plated dinner with presentation) to allow 2 hours of social networking which included delicious heavy appetizers and cash bar. This portion was held on the lovely patio area of the golf course so we could take advantage of the wonderful southern California weather. The extended social time was followed by a plated dessert which was enjoyed during the official presentation inside the clubhouse just steps from the patio.

The immediate feedback and increased attendance of over 100 engineers, industry leaders, and students has proven that the format change and new venue was well received. Those in attendance were able to hear an invigorating panel discussion composed of veteran leaders and young professionals. The lively

panel discussion highlighted potential misconceptions that may exist between the two groups. They focused on the main areas of career path, technical competency, and work life balance. It was beneficial to understand the different perspectives of managers and entry level engineers.

The event would not have been possible without the financial support of various sponsors that agreed to not only help in reducing costs but also to provide participation at the event. Also deserving of much thanks are the panelists whom donated their time to take part in our event. The panel included John Shipp, Billy Tarasevic, John Coil, Bob Culp, Marcela Opie, and Dave Brieholtz. Thank you to all those attendees who made this event a huge success. We would like to do more meetings in Orange County and with participation like we had at Oak Creek we should be able to do just that.

Thanks to our sponsors:

Boise Cascade

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I-Joist Initiative**

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2014 - 2015 SEAOSC Education Committee

Mission and Charges

SEAOSC Vision

The Structural Engineers Association of Southern California (SEAOSC) is the premier professional organization to which local Structural Engineers belong. The organization serves its members in the noble profession of structural engineering by fostering and promoting the contributions of structural engineers to society.

SEAOSC Mission

SEAOSC is a member-centric organization, where substance and image are equally promoted through fiscally responsible management and optimization of the benefits to the members. SEAOSC leadership and membership will strive to reach the ideals represented by the following five pillars of the association: Membership Value, Image & Advocacy, Codes & Standards, Education, and Legislative Participation.

SEAOSC Education Pillar Mission

Offer world class and state of the art educational opportunities. Provide synergistic learning opportunities among our members on topics of interest.

SEAOSC Education Committee Mission

The Education Committee seeks to serve SEAOSC members by providing easy access to continuing education, through presentations on topics that are current, relevant, and important to the field of structural engineering. Additionally, the committee intends to foster and promote the contributions of structural engineers to society by providing a place for members to share knowledge and learn from each other.

Continued Next Page:

SEAOSC Education Committee Standing Charges

Annual routine tasks performed by the committee include providing ten monthly webinars with at least two being topics that interest engineers beyond the SEAOSC membership and which will be advertised nationwide. Provide seven dinner (or lunch) meeting presentations including a mix of technical topics, case studies, and discussions on business practices (this does not include the February Student Night meeting or the June Past President and Awards meeting). The target goal will be eighty attendees for each dinner/lunch meeting presentation. Host and plan the Winter and Spring Education Programs. Hold regular Education Committee Meetings with a minimum of one meeting every other month, alternating between in-person meetings and phone meetings, increase to one meeting each month as needed. Each committee member will be responsible for coordinating at least one event. Collaborate with the Younger Member Committee to increase the number of jobsite tours and educational trips offered. Participate in planning and/or topic coordination for the Tri-Counties and Orange County meetings. Participate in planning and/or topic coordination for the annual Buildings at Risk Summit. Provide a SEAOSC representative on the SEAOC Webinar Committee.

SEAOSC Education Committee Charges for 2014 - 2015 (may continue into next term)

Investigate various methods of increasing webinar participation. Incorporate more interaction with the webinar audience (e.g., polls, etc.). Investigate a new forum for members to educate each other. Collaborate with all SEAOSC Committees, particularly the Seismology and Existing Buildings Committees, to offer presentations related to new technical bulletins. Consider lowering costs for Education Events. With the Board, implement a policy for fee waivers or reduction for Education Committee Members who plan an event. Perform tasks delegated to the committee by the SEAOSC BOD.

Version 1.0

Approved by SEAOSC Board of Directors, March 12, 2015.



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2014 - 2015 SEAOSC Existing Buildings Committee

Mission and Charges

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SEAOSC Codes & Standards Pillar Mission

Enhance the code and standard development process with effective committee work and cooperation with our partners in the process. Lead applied research efforts to enhance the practice of structural engineering in Southern California and elsewhere. Contribute to the development of structural engineering technologies.

SEAOSC Existing Buildings Committee Mission

Contribute technical advice in the development and/or update of the existing building code and other design standards as related to existing buildings. Report the latest developments to the membership, through the Board of Directors (BOD), on existing building practices both local and state wide.

Continued Next Page:

SEAOSC Existing Buildings Committee Standing Charges

Annual routine tasks performed by the committee include providing one educational seminar to the members and two webinar presentations on the latest developments in existing buildings, and participation in the planning of the annual BAR Summit. Monitor developments with ASCE 41, FEMA P-58, the IEBC, and other standards for Existing Buildings and report on changing issues to the BOD. Coordinate/support the activities of the SEAOC Existing Buildings Committee, and other related industry partners such as the EERI Concrete Coalition, with the approval of the BOD.

SEAOSC Existing Buildings Committee Charges for 2014 - 2015 (may continue into next term)

Provide guidance and develop tools (e.g., design examples, design guides, white papers, Blue Book articles, instructional webinars and seminars, etc.) for our membership regarding evaluation and strengthening of existing buildings and current IBC and CBC code and standard requirements. Review the proposed City of LA soft-story wood frame and non-ductile concrete building seismic strengthening ordinances included in the Mayor's *Resiliency by Design* plan and report recommended revisions to the BOD. Identify key issues and develop a position paper regarding the latest developments for the City of LA Division 88 changes. Determine the status of development effort for the retrofit of single family dwellings by the California EQ Authority and advise the Board. Write a procedure (for future committee work) that enables SEAOSC to establish the number of high risk/seismically vulnerable structures that currently exist in Southern California (URM / Non-Ductile Concrete etc.). Perform tasks delegated to the committee by the SEAOSC BOD and/or the SEAOC EBC (with SEAOSC BOD approval).

Version 1.0

Approved by SEAOSC Board of Directors, January 28, 2015.



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2014 - 2015 SEAOSC Membership Committee

Mission and Charges

SEAOSC Vision

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SEAOSC Mission

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SEAOSC Membership Value Pillar Mission

Cultivate social contacts and encourage camaraderie among members. Increase participation by providing worthwhile events and opportunities that bring value to the membership.

SEAOSC Membership Committee Mission

Cultivate social contacts and encourage camaraderie among members. Increase participation by providing worthwhile events and opportunities that bring value to the membership.

Continued Next Page:

SEAOSC Membership Committee Standing Charges

Annual routine tasks performed by the committee include promoting the benefits of membership and the ongoing update and maintenance of Membership Benefits. Plan/Organize the SEAOSC Holiday Party (December) and the Membership Appreciation Event (Spring) and assist with additional SEAOSC events. Visit with engineering firms to recruit new members. Onboarding/mentoring of new members including outreach with phone calls and/or emails. Leverage social media to attract/retain members. Assist with creating content for the newsletter. Ongoing coordination with the statewide SEAOC membership initiatives, including cohesive recruiting/retention strategies. Adapt statewide SEAOC marketing material to recruit and maintain SEAOSC membership.

SEAOSC Membership Committee Charges for 2014 - 2015 (may continue into next term)

Conduct a membership drive. Create a program which will incentivize current members and employers to recruit new members. Use/Modify SEAOC promotional pamphlet for distribution to list of engineers in our region. Assist with content modifications to SEAOSC website as needed. Perform tasks delegated to the committee by the SEAOSC BOD.

Version 1.0

Approved by SEAOSC Board of Directors, March 4, 2015.



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2014 - 2015 SEAOSC Seismology Committee

Mission and Charges

SEAOSC Vision

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SEAOSC Mission

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SEAOSC Codes & Standards Pillar Mission

Enhance the code and standard development process with effective committee work and cooperation with our partners in the process. Lead applied research efforts to enhance the practice of structural engineering in Southern California and elsewhere. Contribute to the development of structural engineering technologies.

SEAOSC Seismology Committee Mission

Research of ground motions caused by earthquakes, evaluation of their effects on building structures and building materials and systems, evaluation of seismic design code and technical group documents, and dissemination of information, through the Board of Directors (BOD), to the membership regarding existing and new seismic design methodologies and concepts.

Continued Next Page:

SEAOSC Seismology Committee Standing Charges

Annual routine tasks performed by the committee include providing one educational seminar to the members and two webinar presentations. Evaluate viability of research projects that may be of interest to SEAOSC. Monitor the developments of technologies and issues that arise with building materials, structural systems, and evaluation and design methods. Review and disseminate information, through the BOD, about recent seismic standards and technical documents. Coordinate with Steel Buildings and Research Subcommittees for the development of work products. Coordinate/support the activities of the SEAOSC Seismology Committee and other related industry partners, with the approval of the BOD.

SEAOSC Seismology Committee Charges for 2014 - 2015 (may continue into next term)

Provide guidance and design tools (e.g., design examples, design guides, white papers, Blue Book articles, instructional webinars and seminars, etc.) for our membership regarding design of buildings and current IBC and CBC code and standard requirements. Review the proposed City of LA soft-story wood framed and non-ductile concrete building seismic strengthening ordinances included in the Mayor's *Resilience by Design* plan and report recommended revisions to the BOD. Continue discussion and evaluation of the R-factor culminating in a position statement document. Development and presentation of a soft-story retrofit seminar based on the SEAOSC supported testing at UCSD. Further development of a structural engineering information sharing system and displacement based design guidelines. Perform tasks delegated to the committee by the SEAOSC BOD and/or the SEAOSC Seismology Committee (with SEAOSC BOD approval).

Version 1.0

Approved by SEAOSC Board of Directors, January 21, 2015.



Structural Engineers Association
of Southern California

LA Lunch Meeting

Wednesday, April 1, 2015

“Virtual to Reality: Examining the Construction Process From the Contractor’s Perspective”

If you ever feel frustrated with RFI’s, curious about roadblocks in a construction schedule, or eager to better relate to the contractors on your team, join us for this year’s interactive State of the Practice panel discussion. Panelists will provide insight into the inner workings of the construction industry, including challenges, success stories, and visions for the future. The panel will also discuss the working relationship between the contractor and the structural engineer, and ways in which both sides can strive to strengthen this relationship. Discussion topics and questions will come from the moderator and the audience members, so come ready to learn and participate!

Panelists: **Bart Shively**, Vice President, Matt Construction
Steven Saunders, President, Saunders Commercial Seismic Retrofit
Brian Larrabure, President, Larrabure Framing
Bob Lyon, Vice President, Intertex Companies

Location: USC Radisson, 3540 South Figueroa Street, Los Angeles, CA 90007

Time: Registration and Networking: 11:00am-11:45am, Lunch: 11:45am-12:15pm, Program: 12:15pm-1:30pm

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 March 30th.
Prepay by providing your credit card number & expiration date. “Walk-ins” welcome.

LA LUNCH MEETING RESERVATION FORM: April 1, 2015

Please print legibly!



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

Students: _____ @ \$25 = \$ _____

Table of 8: _____ @ \$245 = \$ _____

TOTAL = \$ _____

of Vegetarian Entrees Requested: _____

Name(s): _____

Firm: _____ Phone: _____ Email: _____

Card number: _____ Expiration date: _____

Signature: _____ Zip Code: _____

Billing Address: _____



Tri-Counties Dinner Meeting
Wednesday, April 22, 2015

"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: _____



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

AWC is an ICC approved preferred provider

3.5 CEU's

CCICC & SEAOSC

Member Cost: \$35

Non Member Cost: \$50

Register Via Pay Pal at:

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Or by Mail:

City of Paso Robles

Attn: Lori Wilson

1000 Spring Street

Paso Robles, CA 93446

(make check payable to CCC ICC)



Structural Engineers Association
of Southern California

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
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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.

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 Lions 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!)

Ticket Prices	Price	Compared to Regular Price
SEAOSC Members:	\$25	(\$35 savings)
Guests and Student Members:	\$45	(\$15 savings)
Children Under 16:	\$20	(\$40 savings)
Children Under 2:	Free	

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)

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



SAVE THE DATE

2015 SEAOSC GOLF TOURNAMENT



FRIENDLY HILLS COUNTRY CLUB

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(562) 698-0331**

MONDAY AUGUST 24, 2015

**GOLF AWARDS and PRIZES
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RAFFLE
LUNCH and DINNER**

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Questions? Please contact either:

Golf Tournament Chairman:

Kevin O'Connell

310-323-9924

oconnell@structuralfocus.com

Executive Director:

Lynn Hanger

562-908-6131

seaosc@seaosc.org

SPONSORSHIP OPPORTUNITIES AVAILABLE. INFORMATION COMING SOON!

CLASSIFIED ADVERTISEMENTS

KNA Consulting Engineers has immediate openings for engineers at all experience levels. Qualified applicants must have an ARCE or BSCE Degree (Structural) from an accredited University, proficiency in seismic design, working knowledge of Revit, excellent communication skills and be able to demonstrate good application of learned analytical skills.

KNA is located in Irvine, California and specializes in structural design of educational, civic and healthcare facilities.

For additional information, please visit our website at www.KNAconsulting.com. Interested candidates are encouraged to contact us at careers@KNAconsulting.com. KNA offers competitive compensation along with a comprehensive benefit package.

Are you looking to share your talents with a collaborative, fun group of engineers working in a dynamic downtown San Francisco office on some of the most challenging and exciting structural and seismic projects in California and around the world? Do you want to be part of an exciting and thoughtful team in a work environment that actively encourages and supports individual professional growth through ongoing education, training, and mentoring? If so, **FORELL/ELSESSER** wants to hear from you! We are currently looking to add engineers with a Masters' degree in civil/structural engineering and up to 3 years' experience to our team. PE a definite plus.

Find out more about us and this opportunity at www.forell.com. Interested candidates should forward their resumes and cover letter to recruiting@forell.com

As leaders in structural engineering since 1977, **Wiseman+Rohy Structural Engineers**, a San Diego company, is respected for our experience, high quality work and attention to detail. Our extremely diverse mix of commercial projects keeps the job rewarding and interesting and promotes professional development.

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We are seeking an ENTRY LEVEL ENGINEER with one to three years of experience who wants to expand their experience through a wide variety of projects and involvement from concept to construction. Good communication skills are expected for this position.

We are also looking for a PROJECT STRUCTURAL ENGINEER with a minimum of five years of experience. Good communication skills, and a solid engineering and detailing base are required for this position. Licensed engineers are preferred.

For more information about Wiseman+Rohy, please visit our web page at www.wrengineers.com.

Please send resumes to:

*Jim Wiseman at
HR@wrengineers.com*

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BOARD OF DIRECTORS

July 1, 2014 - June 30, 2015

The SEAOSC Board of Directors works on the behalf of our membership. If there are general or specific items you would like to see the Board of Directors address or discuss please contact any of the SEAOSC Board members.

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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.

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