



Nominees for 2015-2016 Board Announced by Nomination Committee



The SEAOSC Nominating Committee, chaired by Senior Past President Joe LaBrie, S.E., has 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 may be submitted by the membership to the Nominations Committee by the March 4th meeting in accordance with procedures

outlined in the SEAOSC Bylaws Article VI, Section 2. Additionally, this deadline has been extended through **March 30, 2015.**

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.

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/Observer)
- Joe LaBrie, S.E. (Chair)

The SEAOSC Bylaws are posted at seaosc.org. ["About SEAOSC"](#)

FEBRUARY

- 24** "Finite Element Analysis" Webinar, GoToWebinar
- 24** Existing Buildings Committee Meeting GoToMeeting
- 25** "BPELSG Licensing Issues" TriCounty Dinner Meeting San Luis Obispo

MARCH

- 4** "Wilshire Grand Tower: The Use of Buckling Restrained Braces" Los Angeles Lunch Meeting Radisson Hotel at USC
- 6** SEAOSC NEWS Content Submission Deadline for April Issue
- 10** Panel Discussion: *Aligning Expectations* Oak Creek Golf Course, Irvine
- 18** "Career Economics of Structural Engineering" Webinar, GoToWebinar

APRIL

- 1** Los Angeles Lunch Meeting Radisson Hotel at USC
- 10** SEAOSC NEWS Content Submission Deadline for May Issue
- 22** TriCounty Dinner Meeting Glen Annie Golf Course, Santa Barbara
- 30** Excellence in Engineering Awards Deadline



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By Kevin O'Connell, S.E.

**"VOLUNTEERS
needed to REVIEW the
proposed building
rating system"**

March 2015

I'm not sure about you, but I can't believe that it is already March. The year is flying by again, being busy does that I suppose. It has certainly been a busy start to the year for SEAOSC. Our large turnout for our January meeting was followed by another large turnout for our February meeting which is of course our Job Fair and Student Scholarship night. There were quite a few structural engineering firms at the job fair, and from what I heard, many of them are hiring. This is great news for our industry, but also for the young engineers looking to start of their career in structural engineering. I wish all of the students the best of luck as they enter the workforce and encourage them to continue their professional activities by continuing their SEAOSC membership. Judging by the outstanding scholarship recipients at the February meeting I can say with confidence that the future of structural engineering is bright. Congratulations to all of the recipients. SEAOSC is proud to have been able to award nearly \$10,000 in scholarships this year. Thanks to all of our sponsors, contributing firms and individuals, and everyone that played in the SEAOSC Golf Tournament this year for making this possible. I would also like to thank Jerry McCann, Deputy Director-General of Interpeace, who spoke about his 20 years living in Africa and working in both structural engineering and peace building. Certainly an eye opening perspective on the world outside of the Unites States, and the possibilities the world presents for structural engineers. We also just completed a very successful, and technically excellent, Winter Education Program. Thank you to all of our members who have worked to make these events successful, including our Education Committee

co-chairs Tim Kaucher and Rachel Gutman as well as our Young Member Committee Nathan Jo. Great job!

Many of you have heard about Los Angeles Mayor Garcetti's proposed seismic retrofit ordinances for Wood Framed Soft-Story Buildings and Non-Ductile Concrete Buildings in his Resilience by Design report. As presented during our January meeting, the Task Force assembled by the Mayor, including many SEAOSC members, did a great job in working with the Los Angeles Department of Building and Safety to create the draft ordinance language that was recommended to the Mayor. The Board of Directors is working to compile a list of suggested revisions to forward to the Mayor's office. Several of our SEAOSC Committees have been active in reviewing these ordinances, and I encourage each of you to review them and submit your detailed and specific suggested revisions to the SEAOSC office by the end of March.

As I wrote about in my December President's message, SEAOC formed the Ad Hoc Committee on Earthquake Performance Rating System (EPRS) consisting of members from all four MO's to review various issues related to building rating systems. That committee is just getting started, and has a great deal of work ahead of them. In December, after listening to our own members, the SEAOSC Board decided to create a similar SEAOSC Ad Hoc committee. The Board realizes that the building rating system discussion has multiple critical interfaces across multiple SEAOSC committees and feels that this Ad Hoc committee will provide the best focused forum for understanding the

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Call for Members for the new

SEAOSC Ad Hoc Committee on Earthquake
Performance Rating System (EPRS)

Please contact SEAOSC at seaosc@seaosc.org by
March 20th if you are interested in participating in this
Ad Hoc Committee

PRESIDENT'S MESSAGE

(Continued from Page 2)

scope of the review and discussion, allowing members of several committees and other interested parties to participate while avoiding duplication of effort. This important ad hoc committee will bring together interested members of the Seismology Committee, the Existing Buildings Committee, and the Building Code and Standards Committee, as well as our membership at large, into one group which will be the most effective and productive way to create synergy and efficiency for this discussion. This is in the best interest of the Association. If you would like to participate in this Ad Hoc committee, we encourage you to let us know by contacting Lynn Hanger, Executive Director at seaosc@seaosc.org by March 20th.

The SEAOSC Board is extremely pleased to see the renewed enthusiasm of many of our committees, especially during this time of tremendous opportunity for the advancement of the structural engineering profession, particularly in the Southern California region. We must all work together to maintain the recent positive momentum and ensure that progress made is not lost. The Board has been hard at work promoting and representing the structural engineering profession to our civic and community leaders through many differ-

ent avenues, always working in the best interest of the Association and considering the benefit to our membership. This responsibility is not something that the Board takes lightly, and we appreciate your support. If you would like to help us, please let us know.

We have many exciting SEAOSC events coming up including our soon to be announced Member Appreciation Event (hint: think baseball on a warm spring day). Before then, we have two lunch meetings in Los Angeles (yes, I said lunch meetings), a Tri-Counties meeting in Santa Barbara, and an Orange County meeting in Irvine. All of them have interesting topics, and a couple of them have new formats. I encourage you to keep an eye on your email for announcements, check out our website every once in a while too, and get involved in this great Association.

I look forward to seeing everyone at our March lunch meeting if not our Tri-Counties and/or OC meetings.

Respectfully,

Kevin O'Connell, S.E.
SEAOSC President

MEMBER SPOTLIGHT

Lemuel del Castillo Student Member since 2014



Favorite Movie: "The Godfather". I loved how Al Pacino's character evolved from a nice young war veteran to a ruthless and charismatic "Godfather". I wanted to emulate the leadership Al Pacino's character showed towards the end of the movie— minus the violence!

Proudest Accomplishment: Seeing a project I worked on get constructed. I worked on repairing a percolation basin for flood control purposes. The basin wasn't percolating properly and I designed a drainage system to keep the rain water collected from stagnating in the basin. I was extremely proud of the results when it was constructed. The basin finally worked according to its purpose.

Childhood Ambition: To become a pilot because my grandfather would take me to the end of an airport runway as a child. I saw huge airplanes flying up and touching down without any problems. It was not meant to be because it was too expensive to train to become a pilot.

Biggest Challenge: Finding to motivation to continue my growth as an individual. I truly realized my desire to become a structural engineer when I saw the building being constructed in downtown LA at 1st St and Hill St. I often took the bus to school at this corner and I admired the steel framework of this building as it slowly rose from a hole on the ground.

First Job: A Filipino fast food restaurant called Jollibee. I was working the burger grill and I learned the value of the money. It was sweat-filled and back-breaking work every day.

Best Job: Working as a Civil Engineering Student Worker for the Los Angeles County Department of Public Works. I saw the maintenance of public infrastructure first hand and all the amenities that ordinary citizens take for granted. The intricate system of maintaining all public infrastructure and dealing with constituents are really mind-boggling and I was really proud to learn how all of these different systems come together to sustain a functioning society.

Why Join SEAOSC: I wanted to learn more about structural engineering that would not be taught in a classroom. The collective knowledge of this organization is fascinating considering the various challenges members of this organization face every day. I hope I can pass down the information I will learn from this organization to a like-minded individual in the future.

Next Steps: I'm currently finishing my graduate studies at California State University, Los Angeles. I hope to find an internship with a structural engineering firm. I want to learn as much as I can about structural engineering and I want other people to know how important and fulfilling it is to be a structural engineer.

WELCOME NEW MEMBERS

January 2015

Industry

Bruce Hatton

ITT Enidine, New York
bruce.hatton@itt.com

Member

Kiyoshi Carrillo

Saiful Bouquet Structural Engineers
kcarrillo@saifulbouquet.com

Russell McLellan

Partner Engineering & Science, Inc.
rmclellan@partneresi.com

Students

California State University, Long Beach
California State Polytechnic University, San Luis Obispo
University of Southern California
University of California, Los Angeles

MEMBER SPOTLIGHT

John Saggiani
Member Since DATE



Press Release:

Structural Resource Group (SRG) is proud to announce the addition of John Saggiani to the SRG team. John's thirty-five years of experience in engineered wood is immeasurable. "We are lucky to have John as part of our group," says Mark Scambray, President of SRG.

John will be spear heading a Southern California Multi-Family Marketing Initiative by promoting the "I" joist product lines of Boise Cascade, LP Building Products, Roseburg Forest Products & Weyerhaeuser Trus Joist.

He will concentrate on promoting the features and benefits of I-joists in lieu of conventional 2 x 10 & 2 x 12 floor framing by working with Structural Engineers, Owners, Developers, Architects, Contractors and Framers that are involved with the design and construction of structural assemblies on multi-family projects.

This is a significant market and provides a major opportunity for the further growth of engineered wood framing systems.

###

Update Your SEAOSC Member Profile

Did you know you can update your home and business information in your SEAOSC profile?

After logging-in, click on the tab "Member Services".

Select "My Personal Profile" and "My Company Profile" in the left column to view and edit your data.

This data is appears in the Referral Program listing, is provided to SEAOC for inclusion in the annual membership directory, and is used for occasional SEAOSC mailings.



Are you a structural engineer or code professional in Arizona, California or Nevada and want the opportunity to view 12 live sessions from NASCC: The Steel Conference: March 25-27, 2015.

Now you can attend remotely! CVSIC will offer 20 free registrations to view your choice of 12 sessions (out of 24 being streamed) and to receive CEU/PDH credits.

Apply today at www.cvsic.org and click on Professionals button.

20 winners will be chosen on March 4, 2015.

For additional CVSIC program information, please contact Lorena Arce at arce@aisc.org or Kristy Davis at davis@aisc.org

Student Job Fair & Scholarship Night

presented by the
SEAOSC Young Member Committee

On February 4th SEAOSC and the YM hosted its annual Student Night at Luminarias Restaurant in Monterey Park. Every year this event is organized to showcase the students who have excelled in their studies. This occasion is marked with opportunities to interact with industry professionals for job prospects and a dinner to present scholarships to students who are working towards scholastic achievement. This year a total of 7 scholarship awards were given to students and 20 company sponsors joined us for a job fair.

SEAOSC was pleased to have 11 companies host job fair tables. Students were able to share their personal achievements to company representatives while in return they shared information about their company and employment opportunities. Students from a total of 9 universities attended the job fair.

The committee was privileged to have an experienced and journeyed guest speaker. Mr. Jerry McCann, spoke on the "Global Misperceptions – Challenging the Deterrents of Engineering Opportunities Abroad in Developing and Underdeveloped Countries", which showed the students an alternative perspective to a structural engineering career. Mr. McCann emphasized on peace engineering and the obstacles that we might face while extending out foreign countries and their cultures.

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The list of companies and sponsors included:

Computers & Structures, Inc.
David & Margaret "Pat" Narver
Memorial Scholarship
Englekirk Structural Engineers
Fluor Corp.
SEAOSC Golf Tournament Proceeds
KPFF Consulting Engineers
Simpson Strong Tie
Degenkolb Engineers
Insight Structural Engineers, Inc.
KNA Consulting Engineers
MHP, Inc. Structural Engineers
Nishkian Chamberlain, Inc.
Structural Focus
Walter P Moore
ACE Mentor Program
Attendees of the SEAOSC Annual Holiday Party
Grossman & Speer Assoc., Inc.
JCE Structural Engineering Group
Kurt Fischer Structural Engineering
Robert Lyons



Student Job Fair & Scholarship Night

(Continued from previous page)

We select scholarship winners based on their grades, campus involvement, involvement with SEAOSC or the industry, work experience, and each person's X factor (intangibles). From those students who attended, 7 were awarded scholarships. The \$2,000 David & Margaret "Pat" Narver Memorial Scholarship was awarded to Nicole O'Hearne from Cal Poly San Luis Obispo. A \$1,600 scholarship was awarded to Eric Kim from Cal State Fullerton and Saralynn Gu from Cal State Los Angeles. A \$1,200 scholarship was awarded to Ryan Smith from Cal Poly San Luis Obispo and Joaquin Marquez from University of California, Irvine. A \$1,000 scholarship was awarded to Jonathan Kaneshiro from Loyola Marymount University and Melissa Christiansen from University of California, Los Angeles.

During dinner the students were given inspirational speeches from SEAOSC President, Kevin O'Connell and SEAOSC YM Director, Ryan Smith who both emphasized what a great organization SEAOSC is for professional development, networking and to give back to our industry. SEAOSC is about giving back to the structural engineering field and the students definitively show this through their studies and service. Many students who attended were also apart of other organizations such as EWB (Engineers Without Borders) which helps other communities in need, Tau Beta Pi which is an engineering honor society, and more.

The SEAOSC YM Committee organizers, Nathan Jo, Jimmy Chang, Lemuel del Castillo, Mary Haynes, Paul St. Pierre, would like to say "Thank you" to all the students and sponsors. The YM Committee enjoys giving scholarships because we want



to recognize students for their hard work and contributions to the structural engineering field. We personally like giving out these scholarships because it is about making people stand out for their hard work. As students we were once in their shoes and know what it was to eagerly have the world in front of you. We especially believe it is important for the students to receive scholarships and recognition because it is an excellent way to enter the work field.

Thank you once again to the students, company sponsors and SEAOSC members who made this night a success. We look forward to seeing everyone again next year and encourage anyone who has not attended the Student Night to attend next year!

Written by: Paul St. Pierre, SEAOSC YM





STRUCTURAL ENGINEERS ASSOCIATION OF SOUTHERN CALIFORNIA (SEAOSC)

2015 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

CALL FOR ENTRIES

The Structural Engineers Association of Southern California (SEAOSC) is the Southern California professional organization for Structural Engineers. Each year, through SEAOSC's Excellence in Structural Engineering Awards program, recognition is given to SEAOSC Members and Member SE's that have demonstrated outstanding achievement and excellence in structural engineering practice and project work. The awarded projects and their recipients serve as models of excellence in structural engineering representing California Structural Engineers. The SEAOSC 2015 Awards will be presented at an awards ceremony and dinner at Luminarias Restaurant in Monterey Park, CA on June 3, 2015

PURPOSE

The purpose of the SEAOSC Excellence in Structural Engineering Awards program is to publicly acknowledge outstanding achievement in creative design, technical innovation, best practices and demonstrated contributions to the public and/or profession. Additionally, it is the intent of the SEAOSC Awards program to educate the public as to the contributions of Structural Engineers to the built environment and public safety. Founded in 1929, SEAOSC is committed to advancing the art and science of structural engineering.

OVERVIEW

The enclosed packet of information contains SEAOSC 2015 Awards program judging criteria, award categories, rules for eligibility, entry instructions, forms and the deadline for submission. Entrants are eligible for awards in eight categories as listed below. The awards will be judged by a distinguished panel of professional jurors. The SEAOSC Awards will be published in the SEAOSC Newsletter and Website, and will be made available to local media, and professional journals through the Public Relations Committee.

AWARD CATEGORIES

Awards will be judged both on the technical aspects of the project and on the presentation of display boards. An Award of Excellence and up to two Awards of Merit may be awarded in each award category. The Jury may consider additional awards in each category for both small and large projects so that projects of all scales may be properly recognized for their excellence. Awards may or may not be given in each category listed below. Projects may be entered in **ONE** category only.

1. **Study/Research/Guidelines:** Outstanding achievement in the development of structural engineering practice and concepts through the analysis, design, evaluation and/or testing of structures resulting in the preparation of a study, research project, guideline or reference standard. This category is intended to encompass projects or efforts that are not a constructed project.

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2. **Special-Use Structures:** Excellence in engineering design or analysis, design, and/or construction of a special-use project. Examples include non-building structures, such as a temporary movie set, an artificial rock climbing wall and sculptural work of art.
3. **Infrastructure:** Excellence in the structural engineering analysis, design, and/or construction of an infrastructure project, including but not limited to, bridges, tunnels, transportation facilities and dams.
4. **Historic Preservation:** Excellence in achieving creative, innovative, and precedent-setting approaches to structural engineering required for the preservation and rehabilitation of an historic structure. Entrants in this category are encouraged to convey their approach to structural design within the context of the Secretary of the Interior's Standards for the Treatment of Historic Properties.
5. **Retrofit/Alteration:** Excellence in the use of conventional and/or innovative technology in the evaluation, and/or design of a seismic retrofit project or alteration of an existing structure. Includes seismic strengthening, additions, tenant improvements and other structural building alterations.
6. **New Construction:** Excellence in the use of conventional and/or innovative technology in the design of a new construction project.
7. **Sustainable Design:** Excellence in use of structural design, materials and concepts that demonstrate innovation, integration, and achievement of significant sustainable design goals. This may include a successful application of strategies for use of environmentally sustainable "green" materials, adaptive reuse of existing structures, performance based seismic design methods for disaster resilience, structural optimization (efficiency), deconstructability or life-cycle assessment to achieve sustainable built environments.
8. **Landmark Structures:** Excellence in structural engineering analysis, design or construction of a significant project achieving "Landmark Structure" status.

Projects will only be judged in the category in which it was entered. However, the jury may elect to move a project into a different category.

Award entries shall be submitted by a designated award Entrant who represents the project, either as the Engineer of Record, a Responsible Engineer or Principal Investigator. A Responsible Engineer may be the Bridging Documents Engineer for a project that utilizes a design-build delivery method, or the Engineer of a specific component of a project but not the Engineer of Record of the overall project. For projects that utilize an alternative project delivery method, such as a design-build delivery, the Entrant shall clearly state their project role in the Project Summary document, as the level of involvement of the Bridging Documents Engineer and Design-Build Engineer of Record can vary significantly from project-to-project. The Bridging Documents Engineer and/or the Design-Build Engineer of Record may submit for an award. It is acceptable and encouraged, when both engineers contributed significantly to the project, for the Bridging Documents Engineer and Design-Build Engineer of Record to submit jointly for an award.

JUDGING CRITERIA

Entries will be judged on demonstrated excellence and achievement in structural engineering including the following criteria:

- Design Creativity
- Technical Innovation
- System Efficiency and Economy
- Constructability
- Complexity of Problems Solved
- Design Integration
- Quality of Execution
- Significant Contribution to the Public and Profession

JURY

The selection of award recipients will be made by a distinguished panel of jurors. The jury panel members shall be determined by SEAOSC's Board of Directors.

RULES OF ELIGIBILITY

SEAOSC 2015 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

1. Projects may be of any size, type, or location.
2. The project entry must have been constructed or completed between December 31, 2010 and January 1, 2015.
3. At least one member of the design team, research team, or a principal of the firm responsible for the entry, shall be a SEAOSC Member or Member SE in good standing.
4. Entrants may submit more than one project.
5. Projects may be entered in **ONE** category only.
6. Projects previously submitted are eligible for submission except prior SEAOSC project award recipients are not eligible.
7. Each entry submission is required to include written permission of the project Engineer-of-Record, Responsible Engineer or Principal Investigator with the submission materials before entry will be considered by the Awards Jury.
8. Entries will not be automatically submitted to the statewide SEAOC Awards program by the SEAOSC Award program. The entrant and submitting firm is solely responsible to enter the project in the statewide SEAOC Awards program.
9. The entrant is solely responsible for any matters regarding project confidentiality agreements related to the project.
10. Projects that do not meet eligibility requirements will not be considered for judging.

ENTRY INSTRUCTIONS

All entries must include the following:

1. Each entry must be accompanied by a completed Entry Form along with a \$100 Entry Fee. Please make checks payable to SEAOSC. Use the enclosed Entry Checklist to ensure your entry is complete.
2. All entry materials are to be submitted accompanied by the enclosed Signature Form which requires the signature and consent of the Engineer-of-Record, Responsible Engineer or Principal Investigator.
3. Submit a Display Board of foam-core base, 30" tall x 40" wide with drawings, graphics, text and photographs as appropriate to summarize and illustrate significant aspects of the project. For constructed projects, the Display Board presentation shall include one or more photographic images illustrating a significant aspect of the structure while under construction. See the Display Board Guidelines below for more detailed information.
4. Submit no more than a two-page Project Summary (12 pt. font; 8-1/2" x 11" format) with each entry describing the project highlighting the significant aspects of the project as it relates to the entry category and judging criteria. Include the approximate total construction cost of the project. The Entrant shall include the names and describe the roles of the key individuals or firms other than the Entrant that the Entrant wishes to share the credit for the work that is being submitted. Provide a hardcopy and a Microsoft Word file of the document.
5. Submit a 200 to 300 word well-written Project Abstract describing the project in very general "non-technical" terms suitable to be used in the Awards Ceremony and other publications if the project receives an award. Note, the abstract should not be self-promotional in its tone but rather descriptive of the merits of the project.
6. A CD (PC compatible format) containing the following. A Project Summary and Project Abstract in MS Word format, and, the Display Board in **both Adobe PDF and low resolution (11" x 17") JPG formats**. Include a separate MS PowerPoint format file containing summary slide images with caption descriptions (6 min; 12 max). Please do not include in the PowerPoint slides any animations, special transitions or other features. Include in a separate file if necessary. The PowerPoint slides will be made available for the Awards presentation. Include one high-resolution JPEG or TIFF file format digital photo of the finished project to be used in publications if the project is selected for an award. For publication purposes, the high-resolution image should be provided with photographer photo credits, as required.
7. With the exception of the Display Board, do not submit original materials. Submitted materials will not be returned except the Display Board which will be made available for pickup immediately following the Awards Ceremony.
8. All entries shall become the sole property of SEAOSC. SEAOSC reserves the right to use or publish some or the entire entry material in publications. By entering, the entrant grants a royalty-free license

SEAOSC 2015 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

to SEAOSC to use any copyrighted material submitted. Such right includes publication of photographs and names of award recipients without compensation to entrants.

DISPLAY BOARD GUIDELINES

The following guidelines have been prepared to assist you in the preparation of your Display Board.

1. Construct board from 1/4" foam-core (or similar) of dimensions 30" x 40". Organize the board so the information reads horizontally, landscape style – 30" tall x 40" wide.
2. At a minimum, include all of the following information on the front of the display board:
 - a. Name of Project;
 - b. Include the names of the Structural Engineer, Architect, Contractor and Owner/Client. Include additional names receiving recognition as may be appropriate;
 - c. Wording along the bottom of the board: "SEAOSC 2015 Excellence in Structural Engineering Awards".
 - d. The quality of the presentation should be of the highest standards. Color is optional but recommended. The board layout must be two-dimensional, with no "pop-outs", three-dimensional elements, or electronic construction. Use only one side and do not extend any portion of the design or display beyond the 30" x 40" board. Please do not frame or set in glass or plastic.

DEADLINE FOR ENTRIES

Entries with all supporting materials, forms and fees must be received by **5 p.m. on Thursday, April 30, 2015** at the address listed below. **NO EXCEPTIONS!** Entry forms are included in this packet of information. Entry information packet and forms may also be downloaded from the SEAOSC website (www.seaosc.org). All entry materials should be clearly labeled as "Submission for SEAOSC 2015 Excellence in Structural Engineering Awards" and delivered to the following address:

SEAOSC 2015 Excellence in Structural Engineering Awards
Simpson Gumpertz & Heger
1055 W. 7th St., Ste 2500
Los Angeles, CA 90017
Phone: 213-271-1934

Questions may be directed to the SEAOSC office: Phone (562) 908-6131; E-Mail: seaosc@seaosc.org

Award recipients will be individually notified by email no later than May 31, 2015. The SEAOSC 2015 Awards will be presented at an Awards Ceremony during the SEAOSC June 3, 2015 dinner meeting at Luminarias Restaurant, 3500 Ramona Blvd., Monterey Park, CA. All boards are to be picked up at the conclusion of the Awards Ceremony or will be recycled.





SAVE THE DATE

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! It will be an evening the whole family will enjoy. Below are the details to save in your calendar. Be on the lookout for more detailed info to follow in coming newsletters. We have arranged a fun-filled evening of Angels baseball including:

- In-park pre-game picnic with food and bar
- Group seats to watch the Angels take on the Detroit Tigers
- Fireworks display following the game!

Date & Time: Saturday evening, May 30 (exact time TBD, game starts at 7:05pm)

Location: Angel Stadium, 2000 Gene Autry Way, Anaheim, CA 92806

We look forward to seeing you at the event!

Sincerely, Nolan Lenahan, PE, Membership Committee Chair

Kelsey Anne Parolini, SE, Membership Committee Board Representative



Webinar: Best Practices of Finite Element Analysis for Structural Engineers

Tuesday, February 24, 2015

Finite element Method (FEM) is a numerical technique for finding approximate solutions to some complex engineering problems. Structural engineers use Finite Element Analysis (FEA) tools—developed using the principals of FEM—to evaluate how the buildings will respond to expected loading conditions. It is widely used for both design of new structures and evaluation of existing buildings. The topic of the webinar will summarize the important considerations that need to be addressed when performing finite element analysis for seismic loads. A general overview of element modeling will be discussed along with global finite element modeling of buildings. Keys to successful implementation of FEA include review and troubleshooting of analysis models that will also be discussed.



Ali Roufegarinejad is a structural engineer by education and has some 15 years of Research & Development background. Ali has several years of doctoral/post-doctoral studies as an international scholar in Iran, Australia, Canada, and the U.S., collaborating closely with structural engineering world leaders towards better understanding the local and global behavior of structures and structural components and in developing design guidelines with direct code implications and practical outcomes. Ali's research interest and expertise covers several areas of engineering and computational mechanics including: plasticity, computational and numerical methods, structural stability, earthquake engineering, steel structures, thin-walled structures, fracture mechanics, composite steel-concrete structures, and structural testing.

Time: 12:00pm-1:00pm

Cost: SEAOSC Members: \$75, Nonmembers: \$150, Members of any SEA \$100

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 available for download after registration using the link provided.



TriCounties Dinner Meeting

Wednesday, February 25, 2015

Program: "California Licensing Issues & Upcoming Changes Affecting Civil & Structural Engineers"

Abstract: Attend this dinner meeting and presentation to learn more about the California Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG), including its purpose, enforcement issues, SE licensing issues, PE and SE exams including the California specific exam and the NCEES SE exam, pending and proposed legislation and other changes affecting engineers, and licensing reciprocity issues with other states.

If you are a licensed civil or structural engineer in California, or you are studying to be, then this is a presentation that you cannot afford to miss.

Location: Cal Poly, San Luis Obispo Campus (KTYG Gallery, Building 21, Room 105)
1 Grand Avenue, San Luis Obispo, CA 93405

Speakers: Richard Moore, PLS, Executive Officer, BPELSG
Robert Stockton, PE, Board Member, BPELSG
Carl Josephson, SE, Former Board Member, BPELSG
Karen Roberts, SE, Board Member, BPELSG

Time: Social Hour & Networking 6:00 p.m.; Dinner & Program 7:00- 8:30 p.m.

Pre-Respiration Cost: Members & Guests: \$35, Students: \$20
(Register at seaosc.org or complete the following)

Walk-Ins: Members & Guests: \$40, Students: \$25

Parking: Grand Parking Structure \$5, permits can be purchased at the information booth at entrance on Grand Avenue or at the kiosks located in the parking structure. Visit seaosc.org for a campus map. Local public transportation is also available.

SEAOSC@SEAOSC.ORG | www.seaosc.org | Fax: 562-692-3425 | Phone: 562-908-6131

TriCounties DINNER MEETING RESERVATION FORM: February 25, 2015

Please print legibly!



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

Students: _____ @ \$20 = \$ _____

of Vegetarian Entrees Requested _____

TOTAL = \$ _____

Name(s): _____

Firm: _____ Phone: _____ Email: _____

Card number: _____ Expiration date: _____

Signature: _____ Zip Code: _____



LA Lunch Meeting

Wednesday, March 4, 2015

“The Use of Buckling Restrained Braces on the Wilshire Grand Project”

Design and construction of the largest building west of the Mississippi has presented a number of unique challenges. This presentation will focus on the design of the Buckling Restrained Brace Frames and the ongoing construction of the tower.



Gerard M. Nieblas, President, has practiced structural engineering for 35 years with B&J. Mr. Nieblas has designed over 9 million square feet of space and has worked on large projects in excess of \$1 billion for a variety of users and building types. As an expert in all types of buildings, he has a particular expertise in the design of steel framed structures. He is a registered engineer in 19 states besides California, is a LEED Accredited Professional and an active member in 7 professional engineering organizations. Mr. Nieblas graduated from California State University Fullerton with a BS in Civil Engineering and from University of California Berkeley with a Masters in Civil Engineering/Structural Mechanics.



Peter J. Maranian, Principal, has 33 years of structural design experience with Brandow & Johnston, Inc. As a licensed structural engineer and project manager, he is responsible for supervising all phases of project development, structural design and system selection, seismic design and rehabilitation as well as construction administration. Mr. Maranian is a recipient of the 1997 Murray Buxton Award from the Institution of Structural Engineers (UK). Mr. Maranian graduated with a BSCE from the Polytechnic of Central London and the Willesden School of Building and Technical College, England – First Class Honors.

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

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

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 June 23rd.

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

LA LUNCH MEETING RESERVATION FORM: March 4, 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: _____



Structural Engineers Association
of Southern California

Orange County Meeting Tuesday, March 10, 2015

Panel Discussion: Aligning Expectations

Veteran engineers and young engineers discuss
expectations and discoveries of career path, technical competency, and work ethic

This event features a new format that allows for extended social networking to catch up with fellow structural engineers and industry professionals. After a two hours of enjoying gourmet heavy appetizers and cash-bar libations on the patio, guests will take their seats in the clubhouse to participate in a lively panel discussion over dessert and coffee.

The panel discussion will include engineers with varying levels of experience and will focus on exploring the ideas a new engineer has when entering the profession as well as the corresponding expectations more seasoned structural engineers have of them. The discussion will include the various career paths taken by our panelists along with any insight as to what led them on those paths. While the moderator will have some predetermined questions to ask the panelists, there will also be time for audience questions during the latter part of the program. We hope that you will join us for what should be a fun and lively program!

Panelists: John Coil, SE
John Shipp, SE
Bob Culp, SE
Dave Brieholtz, CE
Marcela Opie, PE
Billy Tavasevic, EIT

New Format with
Extended Networking,
Heavy Appetizers with
Cash Bar & Sponsors –
let us know what you
think about it!

Location: Oak Creek Golf Club, 1 Golf Club Drive, Irvine, CA 92618

Time: Registration, Networking, Heavy Appetizers and Cash Bar 5:30pm-7:30pm,
Program and Dessert 7:30pm-9:00pm

Cost: Members and Guests \$35, Students: \$25, Walk-ins \$45

Sponsorships available! Contact event Chair John Saggiani at johnsaggiani@gmail.com for more information.

For your convenience you may charge the above amount to: Attendee(s): _____ @ \$35 = \$ _____

Students: _____ @ \$25 = \$ _____

NAME _____ TOTAL = \$ _____

PHONE/EMAIL _____

CARD # _____ EXPIR.DT _____

SIGNATURE _____ CVS CODE (ON BACK): _____

BILLING ADDRESS OF CARD: _____ ZIP CODE: _____



Webinar: Economics of the Engineering Profession-Past Present and Future

Wednesday, March 18, 2015

Professional Civil and Structural Engineering as we know it today is recognized in the United States and Worldwide as the industry that creates infrastructure, buildings, and improves the lives of millions. We are the designers of the “Wealth of Nations*” and make possible the basis for all economic growth in the industrialized world. Our profession is seldom mentioned in the Press/Media and we get little to zero attention from the business world. This presentation provides an economic viewpoint on the profession starting from the 1960s to the present. How many civil engineers and structural engineers are working in the industry today versus in the past? How many are predicted in the future coming years? How do we compare with other professional counterparts in Medicine and Law? We live in a partially free market economy. I say partially because our market for engineering services is not entirely open, for good reason, because we have licenses and insurance requirements that create barriers to entry. Our industry has always been, and still is, one of the most entrepreneurial sectors of our economy with opportunities available for all that are willing to accept risk for reward. The supply and demand curve for engineers will be discussed and the prospects for professional growth explored with economic statistics on the structural engineering profession. This is a technical presentation, and focuses on the Econometrics of the Profession and our Industry as a Business component of the total economy.

* “Wealth of Nations” by Adam Smith in 1776



Dr. Khatri received his PhD in Structural Engineering from USC, MBA in Finance from USC, MS in Structural Engineering from Caltech, and BS in Civil Engineering from Cal State LA in 1983. He has worked in Civil Engineering for 32 years and also ran his own construction company for 7 years. He is a licensed Civil and Structural Engineer in 40 States and Canada, and also maintains his General Contractor License (A and B Classifications) in California. Dr. Khatri has written two textbooks on Structural Design of Masonry, published over 100 papers, presented at over 50 symposiums/seminars and educational events, and was a faculty member at Cal Poly Pomona for 8 years. He runs his consulting practice based in Las Vegas, Nevada, and works in Southern California and other States.

Time: 12:00pm-1:00pm

Cost: SEAOSC Members: \$75, Nonmembers: \$150, Members of any SEA \$100

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 available for download after registration using the link provided.

CLASSIFIED ADVERTISEMENTS

CKC Structural Engineers seeks **Project Manager** for downtown San Francisco office.

Interested candidates should have experience with urban office, multi-family or hotel projects; or parking structures.

Skills and Expertise

Minimum 5 years of related experience;
BSCE (MSCE preferred) from an ABET-accredited engineering program;
PE registration, SE registration is preferred;
Experience in the selection of structural materials and the review and preparation of specifications;
Technically knowledgeable of the practical application of structural engineering including analysis for structural supports, loads, and design integrity;
Experience with the design techniques, tools, and principles involved in the production of technical plans, drawings, and models;
Proficiency with the following software: Safe, Etabs, Adapt, RAM, and Risa, etc.;
Familiarity with design codes and standards such as IBC, ASCE 7, AISC, and ACI 318;
Demonstrated project management skills and direction of staff;

Please email your resume and cover letter as a Word or PDF file to jobs@ckcps.com. CKC is an equal opportunity employer.

Kurt Fischer Structural Engineering provides innovative and creative structural solutions for the built environment.

Entry Level Structural Engineer, Los Angeles: Assist in providing structural engineering calculations and drawings for the current project types as described in the firm summary. Employee will assist in the technical delivery of structural engineering documents with close collaboration with other disciplines. The employee will help assist in the collaboration process with local building jurisdictions for the purpose of obtaining building permits.

Contact: Kurt Fischer, S.E., 818.874.1445 www.kfseng.com

Qualifications: Bachelor of Science degree in Structural or Civil Engineering, Masters degree a plus

EIT license preferred

Preferred but not required computer program knowledge in RISA 3D, Microsoft Excel, SAFE, ETABS, Bluebeam, Ram Structural Systems and Enercalc.

Ability to effectively work in a team-based organization.

The applicant will need to have strong interpersonal and organizational skills.

Excellent verbal, written and decision making skills within the tasks of executing assignments for Kurt Fischer Structural Engineering.

Experience with BIM tools such as REVIT Structural

Knapp & Associates Inc.

Seeking an Engineer with 5 year minimum experience designing steel, concrete, masonry, and wood structures. Must be competent in 2013 CBC, ASCE 7-10 etc. Must have computer skills in RISA 2D and 3D, Intercalc, etc. P.E. or Structural licensed preferred.

Contact Maria J Knapp, Office Manager

mjknapp@knappassociatesinc.com

408 S. Stoddard Ave., San Bernardino Ca. 92401

909 889 0115 Ex. 109

www.knappassociatesinc.com

KPFF Portland is looking for motivated **Structural Engineers** interested in opportunity for growth

KPFF is about freedom. Freedom to work on what inspires you. Our engineers work on a vast spectrum of engineering projects: from dog houses (seriously) to skyscrapers. We work in locations around the globe: from the lobby of our building to Abu Dhabi. We have all the benefits of a large, stable firm but none of the red tape that comes with it. We're large but nimble and operate day-to-day with the flexibility of a small firm. Providing first-class service to our clients is what we're all about. KPFF is experiencing solid growth and continues to innovate that growth to better serve our clients. Most recently we implemented a new Special Inspections division to offer more individualized client services. We are a group of dedicated, friendly, collaborative, hard-working engineers and we are looking for exceptional engineers to join us. If this sounds like an environment you could thrive in, please use the link provided below to find out more about this opportunity.

Alternatively, you can go to www.kpff.com and find the post under the Portland Career Opportunities page.

LINK:

http://ch.tbe.taleo.net/CH10/ats/careers/requisition.jsp;jsessionid=23BD99F8B24C28F3398BB83E4787C640.NA10_primary_jvm?org=KPFF_2&cws=51&rid=73

KPFF is an equal opportunity employer.

CLASSIFIED ADVERTISEMENTS

Buehler & Buehler Structural Engineers, Inc.

Buehler & Buehler Structural Engineers, Inc. (B&B) provides a wide range of structural engineering services throughout the United States. Founded in 1946 and headquartered in Sacramento, California, B&B also has expanding offices in San Francisco, Phoenix and Los Angeles. Our team has provided structural design on projects including award winning international airports, professional sports facilities, schools, civic, justice, corrections, hospitals, mixed-use and historic preservations. B&B provides an exciting and dynamic environment that facilitates the opportunity for our staff to exceed their professional and personal goals.

We are looking for Structural Engineers and BIM Technicians for immediate opportunities in our Sacramento, Phoenix, San Francisco, and Los Angeles offices. The desired experience for a design engineer is 3 to 7 years in structural design and analysis, PE license preferred. BIM Technicians must be Revit proficient.

Please submit cover letter, resume and references to resumes@bbse.com for immediate consideration.

**Want to place a Job Ad?
1/4 page ad for \$100**

JCE STRUCTURAL ENGINEERING GROUP, INC.

Project Manager/Project Engineer/Structural Designer/Revit Draftsman

We are seeking highly technical & motivated individuals. Great opportunities for growth & advancement in career. Positions are available for engineers with 5+ years of experience. Projects include Seismic Retrofit and new Construction of Buildings. These projects include: New Construction of Schools, Colleges, Universities, Hospitals, High-Rise Buildings, etc. Our Seismic Retrofit projects include the use of Performance Base Design.

Desired Qualifications:

- MS degree in Civil Engineering with a Structural emphasis.
 - CA P.E. Minimum / S.E. Preferred
 - Strong Seismic Engineering background.
 - Strong analytical skills & experience in Structural Engineering Software, including ETABS, SAP, RAM, etc.
 - Excellent written, verbal communication skills, teamwork skills and self motivation.
 - Ability to work on multiple and variety of projects.
 - Project Management Experience
 - OSHDP, DSA, Revit experience is a plus.
- E-mail Cover Letter and Resume to: jceinfo@jcesegroup.com

Kurt Fischer Structural Engineering provides innovative and creative structural solutions for the built environment.

Project Structural Engineer, Los Angeles, CA: Assist in providing structural engineering calculations and drawings for the current project types as described in the firm summary. Employee will also be responsible for the technical delivery of structural engineering documents with close collaboration with other disciplines and provide assistance with construction administration and construction site observations. The employee is required to collaborate with local building jurisdictions for the purpose of obtaining building permits. Oversight and mentoring will be provided by management for the purpose of bringing the employee into a future management position overseeing entry level engineers.

Contact: Kurt Fischer, S.E., 818.874.1445 www.kfseng.com

Qualifications

- Bachelor of Science degree in Structural or Civil Engineering, Masters degree a plus.
- Minimum of two years working experience in structural engineering on similar projects as listed in firm summary.
- PE license preferred.
- Preferred but not required computer program knowledge in RISA 3D, Microsoft Excel, SAFE, ETABS, Bluebeam, Ram Structural Systems and Enercalc.
- Experience with BIM tools such as REVIT Structural.

Job Requirements

- Undertake detailed engineering design for gravity and lateral systems of building structures from all material types.
- Communicate directly with clients and building officials.
- Prepare design development and construction documents.
- Create and interpret data from 3D structural analysis models using commercial software as listed in qualifications.
- Assist in progressing standards and technical knowledge of office.
- Willingness to travel up to 15% to ensure adequate support of Kurt Fischer Structural Engineering's projects

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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kdoconnell@sgh.com
213-271-1934

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SEAOSC Executive Director

Lynn Hanger
seaosc@seaosc.org
562-908-6131

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.

COMMITTEE LEADERS

Committees	*Board Contact Chair(s)	Phone	Email
Membership	Kelsey Parolini* Nolan Lenahan	805-439-2110 310-857-5342	kelsey@smithstructural.com n.lenahan@dlrgroup.com
Younger Members	Ryan Smith* Preston Nirattisai Nathan Jo	949-305-7889 818-273-9980 818-441-8014	rsmith@sideplate.com preston@safetyfactorzero.com nsjo@csupomona.edu
Image & Public Relations	Ken O'Dell* Marcela Opie Samuel Mengelkoch	562-985-3200 949-494-0776 310-323-9924	kodell@mhps.com marcela@lawsonburke.com smengelkoch@structuralfocus.com
Technology	Lynn Hanger* Casey Hemmatyar	562-908-6131 888-889-5643	seaosc@seaosc.org ckh@psfeg.com
Education	Michelle Kam-Biron* Tim Kaucher Rachel Gutmann Tim Kaucher	805-410-2877 714-738-2151 818-285-2650 714-738-2151	mkambiron@awc.org tkaucher@strongtie.com gutmann@coffman.com tkaucher@strongtie.com
Sub Cmte: Webinars	Tim Kaucher	714-738-2151	tkaucher@strongtie.com
Professional Bus. Practices	Ryan Smith*	949-305-7889	rsmith@sideplate.com
Building Codes & Stds.	Doug Thompson* Carl Sramek	949-599-0320 562-799-6010	doug@stbse.com sramekca@aol.com
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Sub Cmte: Steel Bldgs.	Ashi Dhalwala	310-828-1422	ceginfo@verizon.net
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Disaster Emergency Svcs.	Joseph Valancius* Doug Litchfield	818-240-1919 818-913-3558	valancius@kcse.com dlitchfield@mwdh2o.com
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