

CENTRAL CALIFORNIA  
NORTHERN CALIFORNIA



SAN DIEGO  
SOUTHERN CALIFORNIA

## STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA 2019 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS

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**Purpose:** To celebrate excellence among our peers and promote the structural engineering profession to community built environment stakeholders, and to students considering a career in engineering, by acknowledging outstanding achievement in creative design, technical innovation, best practices, and demonstrated contributions to the public.

**Outcome:** By celebrating excellence in our profession, current engineers will be encouraged to express new ideas; the public will become aware of the value and contribution of Structural Engineers on public safety, property protection, and business continuity as affected by the built environment; and new and prospective engineering candidates will gain excitement about the profession.

**Background:** The Structural Engineers Association of California (**SEAOC**), is respected as an authoritative world leader in the practice of structural and earthquake engineering, as a nationally influential participant in structural code and standard development and as a valuable resource to practicing structural engineers in California. SEAOC consists of 4 regional Member Organizations (MOs): Northern CA (SEAONC), Southern CA (SEAOSC), Central CA (SEAOCC), and San Diego (SEAOSD); each focused on regional considerations while being supported at the state level by SEAOC addressing statewide initiatives.

SEAOC's mission is to be the best structural engineering organization in the world. The Association seeks to advance the state-of-the-art and practice of structural engineering; provide the public with structures of safe and dependable performance; give the structural engineering profession current information and tools for structural analysis, design and detailing, and for effective business management; and to serve as a respected and proactive voice in leading the development of structural codes and standards.

**Program:** It is important to celebrate the success and achievement in fulfilling the many layers of SEAOC's mission. In recognizing outstanding achievement and significant contribution to the profession, and celebrating "THE BEST OF THE BEST"; the Excellence in Structural Engineering (EiSE) Awards is an integrated, two-tiered ceremony. Through their respective EiSE Awards programs, each MO recognizes members and firms that demonstrate excellence in structural engineering practice and project work. At the state level, the SEAOC EiSE Awards bring together a cross section of projects completed by California Structural Engineers, recognized by their local MO in receiving an AWARD OF EXCELLENCE in a celebration of "THE BEST OF THE BEST."

**Call for Entries:** To this end, **SEAOC** and its **Member Organizations** hereby announce this **Call for Entries** and encourage **California-based** members to submit eligible **California-based** projects for consideration in the **Annual EiSE Awards Program**. Entrants will submit projects through SEAONC, SEAOSC, SEAOCC or SEAOSD, as appropriate for the project location and MO affiliation. The MO Awards will be recognized as part of the end of the year monthly meeting and Awards ceremony. Projects receiving an AWARD OF EXCELLENCE at the regional MO level will be eligible for and automatically entered in the SEAOC Awards program to be held at the Annual SEAOC Convention.

### **Entry Schedule:**

Non-Binding Expression of Interest	March 15th, 2019 – email interest to <a href="mailto:seaosc@seaosc.org">seaosc@seaosc.org</a>
Entries due to SEAOSC	April 5, 2019
SEAOSC Jury Review	Between April 22 – May 10, 2019
SEAOSC Award Presentation	June 5, 2019
Regional winners advanced to SEAOC	July 1, 2019
SEAOC Jury Review	July/August 2019
SEAOC Award Ceremony	TBD during the SEAOC Convention: August 28-31, 2019

## **AWARD CATEGORIES**

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**At the SEAOC, SEAONC, SEAOSC, and SEAOSD level,** awards will be judged both on the technical aspects of the project and on the presentation of display boards. At the discretion of the Jury, an **AWARD OF EXCELLENCE** and up to two **AWARDS OF MERIT** may be awarded in each category. The Jury may also 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. The number of awards given will be a result of the judges' scoring. Awards may or may not be given in each category listed below. Projects may be entered in ONE (1) 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 or new product/technology. This category is intended to encompass projects or efforts that are not a constructed project.
2. **Special-Use Structures:** Excellence in the structural engineering 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 or a 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 the achievement of creative, innovative, and precedent-setting approaches to structural engineering in the rehabilitation and preservation of a significant historic structure. Entrants in this category are encouraged to convey their approach to structural design within the context of preservation standards such as 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. This category 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.

**At the SEAOC level, AWARD OF EXCELLENCE** winning entries from the regional MOs will be consolidated into the three following categories and judged on the technical and creative aspects as well as the presentation of the submittal. The Jury will recognize the winners of each category with an **AWARD OF EXCELLENCE** or **AWARD OF MERIT**; and bestow a single **PROJECT OF THE YEAR AWARD**, if deemed appropriate, on one project selected from all entries. The number of awards given will be a result of the judges' scoring. Awards may or may not be given in each category listed below. Projects may be entered through ONE (1) Member Organization and in ONE (1) category only.

1. **New Structures:** Projects within the new structures category are judged on how well the project team used structural engineering with conventional or innovative systems in the design to provide new or unique solutions, or to overcome challenges, necessitating the development of interesting design processes or construction methods. Projects judged in this category may include the regional winners from these above categories: **New Construction, Special-Use Structures, and Infrastructure.**
2. **Existing Structures:** Projects within the existing structures category are judged on how well the project team used structural engineering to evaluate or design the structure in creative, innovative, or precedent-setting ways to solve complex problems and overcome construction challenges. Projects judged in this category may include the regional winners from these above categories: **Retrofit/Alteration, Historic Preservation, existing Special-Use Structures, and existing Infrastructure.**
3. **Research, Product or Technology Innovation, Standards:** Projects within the research, product or technology innovation, and standards category are judged on how well the project team applied engineering principles, enhanced the state-of-the-practice of structural engineering, or developed new engineering concepts through the analysis, evaluation, testing and research in the preparation of a study, updating or creating industry guidelines or reference standards, improving community awareness and action regarding structures, development of new products, or applications of existing products and technologies in new and innovative ways. Projects judged in this category may include the regional winners from this above category: **Study/Research/Guidelines.**

A project entry will be judged in the category in which it was entered. However, the Jury may elect to move a project into a different category. To ensure projects and firms of all scales may be properly recognized for their excellence, the jury may consider additional awards in each category for varying project types and may apply Small Project or Small Office consideration in judging and confirming awards.

Award entries shall be submitted by a designated Award Entrant who represents the Firm responsible for the project; **and/or** the Engineer of Record, the Engineer in Responsible Charge, or Principal Investigator. Where the role of other engineers was significant to the project's success, such as a Bridging Document Engineer or the specialty engineer for a specific component, entrants are encouraged to recognize these individuals and/or submit the entry in conjunction with these engineers. For projects that utilize an alternative delivery method, such as design-build delivery, the Entrant shall clearly state their project role in the Project Summary Document.

## **JUDGING CRITERIA**

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Entries will be judged on achievement and excellence in structural engineering development, practice, and advancement. Scoring will be considered across the following criteria:

1. Creativity: Judged on how the project applied conventional or new ideas and systems, in a manner not typically seen in projects of similar type and scale.
2. Integration: Judged on how well the project integrated the impact of other disciplines and systems to create a holistic approach to the solution provided.
3. Technical Innovation: Judged on how the project tackled difficult constraints using existing or new systems in innovative ways.
4. Efficiency: Judged on how well the project promotes an economical outcome by balancing the efficiency of the structural system(s) with the costs associated with integrating that system within the overall project framework.
5. Sustainability: Judged on the extent to which the structural solutions advances or promotes sustainability within the built environment.
6. Constructability: Judged on how well the structural system addresses the need for constructability of the overall project.
7. Complexity: Judged on the complexity of the problems solved.
8. Execution: Judged on the effectiveness of the process used in bringing the structural system or solution to fruition and the extent to which the process was collaborative.
9. Contribution to the Profession: Judged on the extent to which the project contributes to the profession positively through advancing structural engineering and the principles applied.
10. Impact on the Public: Judged on the extent to which the project will evoke reaction from the public and increase awareness of the art and science of Structural Engineering in advancing life-safety and structural performance in the built environment.
11. Jurors Judgment: Not all judging criteria can be objectively approached, similar to the application of "engineering judgment", this scoring category shall be left to the juror's discretion to allow a subjective response to the project.

## **JURY**

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The judging of entries and selection of award recipients will be made by a distinguished Jury panel consisting of the following:

**SEAOSC Jury**: The jury panel members will include representatives from the SEAOSC membership and possibly a professor of structural engineering, licensed architect or contractor as selected by the SEAOSC Board.

**SEAOC Jury**: The jury panel members will include one Member SE from each of SEAOC's four regional MOs, a professor of structural engineering, a licensed architect and a licensed contractor.

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**Jury by your Peers – People’s Choice Award:** At each Regional MO and at the State Award Program, a People’s Choice Award **may be** honored. The selection and voting process will be coordinated and announced in advance of the Award Ceremonies and will be conducted at the MO Monthly meeting and/or at the State Convention.

**RULES OF ELIGIBILITY**

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1. 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, residing and practicing in California.
2. Projects may be of any size, type, or location.
3. The project entry must have been constructed (building) or completed (research) between **Dec. 31, 2015 and Jan. 1, 2019**.
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 SEAOC/SEAOSC Excellence in Structural Engineering Award (Merit or Excellence) recipients are **not** eligible.
7. Each entry 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. To be eligible for the annual statewide SEAOC Awards program, entries must be submitted to the SEAOSC awards program.
9. **Award of Excellence** winners at the Regional MO Award Program will be automatically submitted to the SEAOC State Awards Program.
10. The entrant is solely responsible for any matters regarding confidentiality agreements related to the project.
11. Projects that do not meet eligibility requirements will not be considered for judging.

**ENTRY INSTRUCTIONS**

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Each entry **must** include the following:

All entries are submitted online and **must** include the following:

1. A completed **Online Entry Form** (see link below), including the **Entrant’s Checklist** (attached) along with an entry fee as noted on the ENTRY CHECKLIST. Use the enclosed Entry Checklist to ensure your entry is complete.
2. The enclosed **Signature Form** (attached) which requires the signature and consent of each Engineer-of-Record, Responsible Engineer, or Principal Investigator.
3. 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. A **Project Summary** 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 in credit for the work that is being submitted. The summary shall not exceed two (2) pages; 8-1/2” x 11” format using 12 pt. font, and shall be provided in a Microsoft Word electronic form.
5. A **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. The abstract should not be self-promotional in its tone, but rather descriptive of the merits of the project. The abstract shall not exceed 300 words and shall be provided in a Microsoft Word electronic form.
6. **Digital Files** uploaded to contain the following:
  - The **Project Summary** and **Project Abstract** in MS Word format;
  - The **Display Board** in both **Adobe PDF** and low resolution (11” x 17”) **JPG** formats;

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- A separate **Slide Presentation** in MS PowerPoint format file containing summary slide images with caption descriptions (6 min; 12 max). DO NOT include animations, special transitions or other features in the PowerPoint slides. The PowerPoint slides may be used during the Awards presentation.
- High-resolution **Digital Photo(s)** (JPEG or TIFF file format) 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.

The Digital files shall be submitted electronically via the Online Entry Form:

<https://seaosc.wufoo.com/forms/seaocseaosc-2019-awards-program-entry-form/>

7. With the exception of the **Display Board**, do not submit original materials. Submitted materials will not be returned. However, the Display Board of non-winning entries will be made available for pickup at the SEAOSC SEAOSC Awards Ceremony. Display Boards of Award of Excellence winners will be automatically forwarded to the SEAOC office for the SEAOC State Awards Program.
8. All entries shall become the sole property of SEAOSC and SEAOC. SEAOSC and SEAOC reserve the right to use or publish some or the entire entry material in publications. By entering, the Entrant grants a royalty-free license to SEAOSC and SEAOC to use any copyrighted material submitted. Such right includes publication of photographs and names of award recipients without compensation to Entrants.

### **DISPLAY BOARD GUIDELINES**

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

1. Construct board from ¼" 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, Responsible Engineer (if applicable), Architect, Contractor and Owner/Client. Include additional names receiving recognition as may be appropriate;
  - c. Wording **in a prominent position on the board shall include**: "SEAOSC/SEAOC 2019 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. DO NOT frame or set the board in glass or plastic.

### **DEADLINE FOR ENTRIES**

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Entries with all supporting materials, forms and fees must be received by **5:00 pm on Friday, April 5, 2019**. Entry forms are included in this packet of information. The entry information packet and forms may also be downloaded from the SEAOSC website <https://www.seaosc.org/Excellence-in-Engineering-Awards>. Entries are to be submitted online at: <https://seaosc.wufoo.com/forms/seaocseaosc-2018-awards-program-entry-form/>. All entry materials should be clearly labeled as "**Submission for SEAOSC/SEAOC 2019 Excellence in Structural Engineering Awards**" and delivered to the following address:

SEAOSC/SEAOC 2018 Excellence in Structural Engineering Awards  
c/o Bob Lyons, SE  
Risha Engineering  
401 E. Cypress Avenue  
Burbank, CA 91501

Upon receipt of a complete entry submission, a confirming email will be sent to the Entrant. Award recipients will be individually notified by Friday, May 24, 2019, in advance of the awards ceremony. The SEAOSC 2019 Awards will be recognized as a part of the June 5, 2019 SEAOSC monthly meeting. If you have any questions, please contact the SEAOSC/SEAOC office by email at [seaosc@seaosc.org](mailto:seaosc@seaosc.org), or by telephone at 562-908-6131.

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**SIGNATURE FORM:** One (1) Entry per Form

(SEAOSC Use Only) **Project No.:** \_\_\_\_\_

(SEAOC Use Only) **Project No.:** \_\_\_\_\_

**PROJECT INFORMATION:**

Name of Project/Entry

Project Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Project Completion Date: DD/MM/YYYY Est. Project Construction Cost: \$XXX,XXX,XXX Check if Student Project:

**AWARD ENTRY CATEGORY:** (Select only **ONE**)

- |   |   |
|---|---|
| <input type="checkbox"/> 1. Study/Research/Guidelines | <input type="checkbox"/> 4. Historic Preservation |
| <input type="checkbox"/> 2. Special-Use Structures    | <input type="checkbox"/> 5. Retrofit/Alteration   |
| <input type="checkbox"/> 3. Infrastructure            | <input type="checkbox"/> 6. New Construction      |

**SIGNATURES:**

The following Signatures are mandatory – if an individual is unavailable to sign this form, separate letters of authorization may be attached. A digital version of this form must be in Microsoft Word or Adobe PDF format.

We the undersigned, affirm that we are Members or Member SE's in good standing of our respective SEAOC Member Organizations. Further, we have the authority to enter the subject project for consideration in the SEAOC/SEAOSC 2019 Excellence in Structural Engineering (EiSE) Awards Programs. We have obtained, as appropriate, permission from all necessary parties for the release of the submitted project information and acknowledge that the entry shall become the sole property of SEAOC/SEAOSC. By entering this project for consideration in the EiSE Awards, we are authorized to grant a royalty-free license to SEAOSC and SEAOC to use any information, including copyrighted material, submitted. Such right includes publication of photographs and names of award recipients without compensation to entrants or represented firms.

**ENTRANT**

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_

ENGINEER OF RECORD, RESPONSIBLE ENGINEER, OR PRINCIPAL INVESTIGATOR

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_

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**ENTRY CHECKLIST:**

(SEAOSC Use Only) **Project No.:** \_\_\_\_\_

(SEAOC Use Only) **Project No.:** \_\_\_\_\_

**PROJECT INFORMATION:**

Name of Project/Entry

Project Address

City

State

Zip Code

Entrant Name

Firm

Email Address

Use this form to ensure your entry is complete. A copy of this **Checklist** should be submitted with the **Online Entry Form**.

\_\_\_ 1. **Online Entry Form** - <https://seaosc.wufoo.com/forms/seaocseaosc-2019-awards-program-entry-form/>

\_\_\_ 2. **Entry Checklist**

\_\_\_ a. Payment made online, via the entry form

\_\_\_ b. **Entry Fee: \$300.00**

**Note:** Entry Fee includes both SEAOC and SEAOSC Awards Programs. Projects recognized as Award of Excellence or Award of Merit recipients will receive one (1) Award Certificate and Award; additional Certificates may be provided at no charge; additional Award Plaques or Statues may incur additional charges. Please coordinate directly with SEAOC and SEAOSC if multiple copies are to be requested.

\_\_\_ 3. **30" x 40" Display Board (Horizontal Format) - hard copy to be delivered to:**  
SEAOSC/SEAOC 2018 Excellence in Structural Engineering Awards  
c/o Bob Lyons, SE  
Risha Engineering  
401 E. Cypress Avenue  
Burbank, CA 91501  
818-729-9777

Submit the following Entry Forms **ELECTRONICALLY**:

\_\_\_ 1. **Entry Form, with Award Entry Category # Specified** - <https://seaosc.wufoo.com/forms/seaocseaosc-2019-awards-program-entry-form/>

\_\_\_ 2. **Signature Form** (Included in this Packet) with **Award Entry Category # Specified** (Adobe PDF)

\_\_\_ 3. **Entry Checklist** (This Form)

\_\_\_ 4. **Two-page Project Summary** (MS Word format)

\_\_\_ 5. **200 to 300-word Project Abstract** (MS Word format)

\_\_\_ 6. **Display Board Electronic Files** (Hi-Res Adobe PDF 30x42, and Low-Res JPG 11x17 formats)

\_\_\_ 7. **MS PowerPoint Presentation** (6 to 12 slides, Adobe PDF and PowerPoint PPT formats)

\_\_\_ 8. **High-Resolution photo(s) of the Project**, (One to Three [1-3] Photo in JPEG or TIFF format)