

CENTRAL CALIFORNIA



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EXCELLENCE IN STRUCTURAL ENGINEERING SEAOC / SEAOSC 2021 AWARDS PROGRAM



Background: The Structural Engineers Association of California (**SEAOC**), is respected as an authoritative leader in the practice of structural and earthquake engineering. SEAOC, through its members, seeks to advance the state-of-the-art and state-of-the-practice of structural engineering; provide the public with safe and robust structures; disseminate relevant information and tools to the structural engineering profession for structural analysis and design. The Association strives to educate members in effective business management and serve as a respected and proactive voice in structural code and standard development processes. These lofty goals can only be accomplished through the actions of SEAOC members, usually through project work. Exemplary stewards of the SEAOC vision deserve recognition when exemplifying outstanding engineering.

Program: The Excellence in Structural Engineering (EiSE) Awards Program is an annual event that celebrates SEAOC Members and their significant structural engineering achievement. The program is designed to consider only the best work submitted from each MO by limiting the EiSE pool to regional AWARD OF EXCELLENCE winners. This award ceremony is the main opportunity for SEAOC to recognize the successful work of regional members as a statewide organization.

Call for Entries: To this end, **SEAOC** and its **Member Organizations** hereby announce this **Call for Entries** and encourage **California-based Design Teams** to submit eligible projects for consideration in the **Annual EiSE Awards Program**. Entrants will submit projects through SEAONC, SEAOSC, SEAOC, or SEAOSD, as appropriate for the project location and MO affiliation. The MO Awards will be recognized as part of the MO end of the year monthly meeting and Awards ceremony. Projects receiving an AWARD OF EXCELLENCE at the regional MO level will automatically be entered in the SEAOC Awards Excellence in Structural Engineering awards program at the annual SEAOC Convention. Note that the SEAOC EiSE Awards follow three refined categories described below, which will be populated by Awards of Excellence at the MO level.

Submission Material - NEW THIS YEAR: We have streamlined the amount of application materials this year, requiring 1) entry forms and fee, 2) a digital image of a presentation board, and 3) high resolution images off the project. The project abstract is now part of the entry form, which includes questions directly aimed at highlighting the project's engineering. See **Entry Instructions** further down.

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Entry Schedule:

Non-Binding Expression of Interest	March 15, 2021 – email interest to seaosc@seaosc.org
Entries due to SEAOSC	April 3, 2021
SEAOSC Jury Review	Between April 4 – May 7, 2021
SEAOSC Award Presentation	June 2, 2021
Regional winners advanced to SEAOC	July 1, 2021
SEAOC Jury Review	July/August 2021
SEAOC Award Ceremony	TBD during the SEAOC Convention: September 2021

AWARD CATEGORIES

At the SEAOC, SEAONC, SEAOSC, and SEAOSD level, awards will be judged on the technical merit of the project and its contribution to the profession. At the discretion of the Jury, **AWARDS OF EXCELLENCE** and **AWARDS OF MERIT** may be awarded in each category. 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, standards, research documents or design guidelines. 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 application of structural engineering in the rehabilitation and preservation of a significant historic structure. Entrants in this category are encouraged to convey their approach to structural engineering 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 structural engineering analysis, design and/or construction of an evaluation and/or design of a seismic retrofit project or alteration of an existing structure. This category includes seismic analysis, seismic strengthening, additions, tenant improvements and other structural building alterations.
6. **New Construction:** Excellence in the structural engineering analysis, design and/or construction 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 of the project; the judges will focus on engineering solutions, including methods and concepts that are creative, innovative, difficult or complex, but all well executed. The Jury will recognize the winners of each category with **AWARDS OF EXCELLENCE** or **AWARDS OF MERIT**. The judges may also bestow a single **PROJECT OF THE YEAR AWARD**, if deemed appropriate, to one project selected from all entries. Judges scoring will determine the number of awards. Awards may or may not be given in each category listed below. Projects are entered through only ONE (1) Member Organization and will be placed by the SEAOC judging panel in ONE (1) category only.

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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 of 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 of: **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 of: **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. The jury may consider additional awards in each category.

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, the Entrant shall clearly state their project role in the Project Summary Document.

JUDGING CRITERIA

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, with a focus on structural engineering and the challenges therein.
2. Technical Innovation: Judged on how relevant innovative structural engineering solutions contributed to project success, weighted by the complexity of the solved structural engineering challenges.
3. 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.
4. Sustainability: Judged on the extent to which structural engineering and the result of unique structural engineering solutions advances or promotes sustainability within the built environment.
5. Constructability: Judged on how well the structural engineering considered and contributed to improved constructability of the overall project.

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6. Execution: Judged on the efficacy of the structural engineering and its effect on the project.
7. Impact on the Public: Judged on the extent to which the structural engineering will evoke reaction from the public and increase awareness of the structural engineering profession.
8. Jurors Judgment: Not all judging criteria can be objectively defined, like the application of "engineering judgment" this scoring category recognizes a juror's discretion to subjectively evaluate a project, with focus on the value of the structural engineering presented, described and executed.

JURY

A distinguished Jury panel, comprising the following members, will judge entries and select award recipients:

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.

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

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, 2017 and Jan. 1, 2021**.
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.

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ENTRY INSTRUCTIONS

Each entry **must** include the following:

1. A completed **Online Entry Form** with **Entry Checklist** (attached), along with an entry fee as noted on the CHECKLIST. Use the enclosed Entry Checklist to ensure your entry is complete.
2. Executed **Signature Form** which requires the signature and consent of each Engineer-of-Record, Responsible Engineer, or Principal Investigator. This form shall be submitted electronically in *.pdf format.
3. **Display Board Graphic** (*.pdf). High-resolution image that will allow the printing of a 30" tall x 40" wide (landscape orientation) presentation board acceptable for direct to substrate printing. The display board graphic may include photographs, drawings, graphics, and text as appropriate to summarize and illustrate significant aspects of the project. The graphic shall be used by the Jury in rendering a decision and may be printed or otherwise used by the SEAOC/SEAOSC Communications Committee for presentation purposes.
 - a. The presentation should focus on the unique structural engineering aspects of the project, with text and graphics supporting images and presentation techniques that help the observer recognize the importance of the structural engineering in the project success.
 - b. At a minimum, the following shall be displayed in the presentation:
 - Name of Project
 - The names of the Structural Engineer, Responsible Engineer (if applicable), Architect, Contractor and Owner/Client. Include additional names receiving recognition as may be appropriate
 - Wording ***in a prominent position on the board shall include:*** "SEAOSC/SEAOC 2021 Excellence in Structural Engineering Awards";
 - For constructed projects, the Display Board Graphic shall include one or more photographic images illustrating a significant aspect of the structure while under construction.
 - c. The quality of the presentation should be of the highest standards. Color is optional but recommended. Do not extend any portion of the design or display beyond the 30" x 40" space allowed.
4. **High-resolution Digital Photo(s)** (JPEG or TIFF file format). In addition to use by the Jury Panel during judging, images may be used in publications if the project is selected for an award. For publication purposes, the high-resolution image shall be provided with photographer photo credits, as required.
 - a. Up to five (5) images representing the project may be submitted. Each file shall have a unique file name.
 - b. Accompanying the digital file photos, provide a *.pdf file (single page, 8.5" x 11") which shows a 'thumbnail' of each image and identifies the file name.

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.

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PROJECT ABSTRACT

On a separate page, please provide 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. 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 abstract should not be self-promotional in its tone, but rather descriptive of the merits of the project, specific to structural engineering.

The abstract shall not exceed 300 words and shall be included behind the entry form in the *.pdf Entry Form file.

PROJECT DETAILS

*Keeping in mind the judging criteria, please respond to the following three (3) questions. Responses in totale shall not exceed two (2) pages in length (8.5" x 11" format using 12 pt. font) and shall be provided in the *.pdf Entry Form file behind the Project Abstract.*

Photos and graphics can be included to clarify the unique structural engineering worthy of consideration.

Judging Criteria:Creativity

- Technical Innovation
- Efficiency
- Sustainability
- Constructability
- Execution
- Impact on the Public
- Jurors Judgment

1. What hurdles were overcome by the Engineering Team or Engineering Solution?
2. How did the selected structural system(s) integrate with or serve the project program/goal?
3. Why do you feel this project exhibits Structural Engineering Excellence?

DEADLINE FOR ENTRIES

Entries with all supporting materials, forms and fees must be received by **5:00 pm on Friday, April 3, 2021**. Entry form is an online form – link below.

All entry materials shall be submitted electronically at: <https://seaosc.wufoo.com/forms/seaocseaosc-2021-awards-program-entry-form/>.

Upon receipt of a complete entry submission, a confirming email will be sent to the Entrant.

Award recipients will be individually notified by May 14, 2021, in advance of the awards ceremony. The SEAOSC 2021 Awards will be recognized as a part of the June 2, 2021 SEAOSC monthly meeting.

If you have any questions, please contact the SEAOSC/SEAOC office by email at seaosc@seaosc.org, or by telephone at 562-908-6131.

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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.

Payments shall be Accompanied by the Online Entry Fee Form

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.

Submit the following **ELECTRONICALLY** to: <https://seaosc.wufoo.com/forms/seaocseaosc-2021-awards-program-entry-form>.

- 1. **Online Entry Form**
- 2. **Project Abstract**
- 3. **Project Details**
- 4. **Signature Form (*.PDF)**
- 5. **Display Board Graphic (*.PDF)**
- 6. **High-Resolution Photo(s) of the Project (*.JPEG or *.TIFF)**
- 7. **Thumbnail Page of Images (*.PDF)**