



# 17<sup>th</sup> Annual Seismic Design Competition Mailer #2



January 29<sup>th</sup>, 2020

Dear SDC team,

We hope your preparations are going well! The 17<sup>th</sup> Annual Undergraduate Seismic Design Competition (SDC) is quickly approaching, and we are looking forward to seeing you in San Diego!

This mailer (Mailer #2) contains critical details such as the procedure for shipping models and details about each event during the week. This mailer also contains information regarding the hotel deal, the competition schedule, suggested attire at the competition, and other logistical information. **Please read *everything* carefully!**

Please note: models must be in the display area by Monday, March 2<sup>nd</sup> at 6:00 pm in their **final state**. The SDC Awards Ceremony will be held on Friday, March 6<sup>th</sup> from 12:30 pm to 2:00 pm along with the 2020 National Earthquake Conference and EERI Annual Meeting closing luncheon.

### SUMMARY OF IMPORTANT DATES/DEADLINES:

<b>FRIDAY, JANUARY 31</b>	Official competition registration deadline.
<b>MONDAY, FEBRUARY 10</b>	Deadline for clarification requests to the SDC chairs
<b>FRIDAY, FEBRUARY 14</b>	Deadline to request hotel deal
<b>FRIDAY, FEBRUARY 28**</b>	Deadline for submission of performance predictions and floor area calculations (Section 6)
<b>FRIDAY, FEBRUARY 28**</b>	Deadline for electronic submission of presentation, poster, and auction slides (Sections 8 and 9)
<b>MONDAY MARCH 2 TO FRIDAY MARCH 6</b>	Competition!

***\*\*Please note that performance predictions, floor area calculations, presentation slides, and the poster are due BEFORE THE COMPETITION!\*\****

We look forward to seeing you soon, and, again, please read all sections (numbered items 1-23) carefully!

Best wishes,

Tyler Oathes and Polly Murray  
2019-2020 EERI SLC Co-Presidents

## 1. Registration Reminder

- The deadline for official competition registration is **January 31, 2020**. Don't forget to register! The link for registration is: <https://www.eeri-members.org/2020-sdc-registration>.

## 2. Hotel Deal:

- The Deal: Stay 4 or more nights at the Sheraton San Diego Hotel & Marina, to receive 1 night free as part of the registration. The deal is limited to one room per team. This deal is generously provided by EERI and intended to help reduce the travel expenses for the teams.
- How it works:
  1. Once you have a reservation, please email [slc@eeri.org](mailto:slc@eeri.org) with the reservation number, dates of the stay, and the full name of the person the reservation is under. You are eligible for the hotel deal, if you choose to stay at the conference hotel, regardless of the source of your reservation. However, your team will only be reimbursed for up to the conference hotel rate.
  2. When you receive your invoice upon completion of your stay at the Sheraton San Diego Hotel & Marina, you will pay the invoice and obtain a receipt for your payment. You will fill out a reimbursement request form (which will be handed out at competition) and follow the directions on that form to receive a reimbursement for one room for one night of your stay at the competition hotel. You can also download the reimbursement form here: <https://www.eeri.org/about-eeri/policies-and-plans/reimbursement/>.
- If you choose to use the hotel deal, you must email the SLC with your team name and the reservation name by no later than **February 14, 2020**. Your reimbursement form must be submitted no later than **March 31, 2020**.
- For more details, please refer to Mailer #1 for more specifics. For any further clarification, please email [slc@eeri.org](mailto:slc@eeri.org).

## 3. Model Shipping Information

- The hotel will be receiving direct shipments and models must be shipped with the following label:

The Sheraton San Diego Hotel & Marina  
1380 Harbor Island Drive  
San Diego, CA 92101-1092  
EERI/NEC 2020  
Hold for: [Team Name, Table #]

- The earliest day the hotel can receive the structures is Friday, February 28. If shipments are received prior to this date, your team will incur a storage fee from the hotel of \$25/day.
- For schools intending to bring the structures with them, the display area will be available for structure set up beginning Monday, March 2 at 8:00 am.
- For schools intending to ship the structures, the shipping label must contain the table number assigned to your school. Please refer to the following list for your school's table number.

- The layout of the venue will be provided in the next mailer.

<b>TABLE</b>	<b>NAME</b>
1	SLC WORKING STATION
2	University of Connecticut
3	North Carolina State University
4	California State University, Northridge
5	Stanford University
6	Ain Shams University
7	University of Nevada Reno
8	Technical University of Civil Engineering Bucharest
9	Ozyegin University
10	Oregon State University
11	University of Notre Dame
12	Lehigh University
13	University of Illinois Urbana-Champaign
14	University of Memphis
15	University of Southern California
16	California State University, Fullerton
17	McMaster University
18	Universidad Politecnica Salesiana
19	California State University, Sacramento
20	University of Texas Austin
21	University of Colorado Boulder
22	University of California, San Diego
23	University of California, Davis
24	Helwan University
25	California Polytechnic State University, San Luis Obispo
26	University of Michigan
27	Technical University of Cluj-Napoca
28	University of British Columbia
29	University of Nebraska-Lincoln
30	California State University, Long Beach
31	University at Buffalo
32	Brigham Young University
33	University of Massachusetts Amherst
34	University of Victoria
35	Purdue University
36	Universidad de las Fuerzas Armadas
37	University of California, Berkeley
38	University of Puerto Rico at Mayaguez
39	University of California, Los Angeles

40	Virginia Tech
41	California State Polytechnic University, Pomona
42	University of Toronto
43	Portland State University
44	Universidad Iberoamerican
45	Cornell University
46	University of California, Irvine
47	New York University Tandon School of Engineering
48	University Teknologi Malaysia
49	California State University, Chico
50	Pontificia Universidad Catolica Madre Y Maestra
51	California State University, Los Angeles
52	San Francisco State University

#### 4. Model Setup

- Structural models and posters will be displayed in Grande Ballroom A throughout the competition. All shipped crates will be delivered directly to their respective tables in the display area (Grande Ballroom A). Teams will have access to Grande Ballroom A starting Monday, March 2<sup>nd</sup> at 8 am in order to set up their structures. Teams may unpack, build, and repair structures as necessary. Teams may set up their structures and posters on their assigned tables when finished and shall move the empty crates to the first floor Nautilus Storage Area. Please refer to the list in Item 3 for the table numbers. In addition, there will be signs with the name of each team on their respective tables.
- All models must be in the display area by Monday, March 2<sup>nd</sup> at 6 pm in their final state. No team will be allowed to alter their structure after this time. Preliminary judging of the models will start on Monday, March 2<sup>nd</sup> at 6 pm. Please note that this is a departure from schedules of prior competitions.

#### 5. After the Competition

- Teams will have the option of disposing of their structure following shake day, or shipping the structure back to their home university. Instructions for proper disposal will be available during the competition.
- For teams intending to keep their structures, you may coordinate your return shipping through the hotel Package Room. Representatives from the Package Room will check in with teams during each of the Wednesday Shake Day Sessions to provide outgoing shipping forms and further instructions for shipping from the hotel. To ship through the hotel, teams must bring their package, payment, and a completed outgoing shipping form to the hotel Package Room. The deadline for coordination of shipment from the hotel is **Thursday, March 5<sup>th</sup> at 10 am**. Outgoing shipping forms will also be available in the SLC Office. Any models remaining in Grande Ballroom A after that time will be disposed, unless otherwise coordinated with the SLC.

## 6. Performance Predictions and Floor Area Calculations

- Performance predictions and floor area calculations must be submitted through the SLC website (<https://slc.eeri.org/2020-seismic-design-competition/>) under the **forms** section by **Friday, February 28<sup>th</sup> at 11:59 pm PST**. The link will be opened soon; team captains will be notified by email once it's active.

## 7. SDC Welcome Event

- The SDC Welcome Event will take place on Monday, March 2<sup>nd</sup> from 5 to 6 pm in Nautilus 1 & 2. This is an opportunity to meet the members of SLC and EERI staff.

## 8. Calcutta Auction

- The Calcutta Auction will begin at 6 pm on Tuesday, March 3 in Grande Ballroom A. It will take place from 6 pm to 8 pm.
  - This year teams will be paired with another university. The pairings will be announced after SDC registration has closed. Each pair of teams must coordinate to submit one PowerPoint slide to the SLC ([slc@eeri.org](mailto:slc@eeri.org)) that sells the “winning aspects” or “secret weapon” of both of your teams and structures. This will be shown during your pair’s auction period. The slide must be submitted by Friday, February 28<sup>th</sup> at 11:59pm PST with the same compatibility requirements as team presentations (see #9 below). Teams will have the opportunity to check the format and compatibility of this slide at the same time they check presentation slides.
  - The auction order will be provided at the SDC Team Captains Meeting on Monday, March 2<sup>nd</sup>. Be ready to go on stage 10 minutes before your pairing is scheduled! If your pairing misses their auction time, we will try to fit them in at the end of the auction, but this is not guaranteed.
  - Technical judging will be taking place during the Calcutta Auction your pair’s slide is the only visual aid you can show off to the audience. Accordingly, make sure your slide accurately shows how great your pair’s structures are!
  - While your pair of teams is on stage:
    - Only 1 member of each team is allowed on stage.
    - Each pair of teams will be featured on stage for a total of 3 minutes. In the first 30 seconds, the auctioneer will ask both team representatives something to the effect of “Why are you going to win?”. Please prepare a 45 to 60 second response on why people should bid for your pair of teams. Be sure to reference your pairs’ presentation slide. The auctioneer will then request bids on your structures.
  - Team representatives should be in business casual or business formal attire during the Calcutta Auction.

## 9. Team Presentations

- PowerPoint presentations must be submitted to the SLC at [slc@eeri.org](mailto:slc@eeri.org) by **Friday, February 28<sup>th</sup> at 11:59 pm PST**. Presentations received after this deadline will be penalized 2 points on their presentation score. The required aspect ratio for the presentations is 16:9 widescreen.

- Presentations will be displayed from an SLC provided laptop that is running Microsoft Windows 10 and PowerPoint (Office 2007 or newer).
- On Tuesday, March 3<sup>rd</sup>, an SLC representative will be available in Nautilus 1, 2 & 3 to go through each team's presentation with **one** team representative to check software and format compatibility. It is your team's responsibility to see the SLC representative. **Each team will have a one-hour window of time to see an SLC representative.** The times will be between 7:30 am and 9:30 am. Your team's specific time window will be shared with you before the competition.
- Each team's presentation session will be announced at the SDC Welcome Event on Monday, March 2<sup>nd</sup>. Teams are expected to stay for all presentations in their session. The presentation order within each session will not be announced.
- Presentations will run in four sessions from 10 am to 4 pm. For each session, three rooms, Nautilus 1, 2 & 3, will be used in parallel for SDC presentations. Your specific location and time will be shared with you at the SDC Welcome Event on Monday, March 2<sup>nd</sup>.
- Each team should expect questions to come from judges after their presentation. For teams for whom English is not a first language, team members or someone associated with the team may translate the judge's questions and the team's answer.

#### **10. Architectural and Poster Judging**

- The architectural and poster judging will happen concurrently with the team presentations on Tuesday, March 3<sup>rd</sup> from 12 pm to 6 pm in Grande Ballroom A. All teams should set up their structures and posters by 6 pm on Monday, March 2<sup>nd</sup>. The SDC chairs will be inspecting the structures on Tuesday and teams will not be allowed to enter the display room or interfere with the judging in any way.

#### **11. Shaking Day**

- Shaking will take place in four sessions on Wednesday, March 3<sup>rd</sup> from 8:30 am to 5:30 pm. The order of shaking will be provided to your team at the team captains meeting on Monday, March 2<sup>nd</sup>.
- On Shake Day, your team must be ready at the staging area **20 minutes prior to shaking.**
- Your team is responsible for clean up after shaking of your structure is complete. There will be trash bins available to dispose of broken structures.
- If your structure survives and your team plans to ship it back, you are responsible for coordinating your return shipment. Please see instructions in #5. The hotel package room can assist in coordinating outgoing shipments by the deadline of Thursday, March 5 at 10 am.

#### **12. CSI Reception / Wrap Up Party**

- An invitation to celebrate the end of Shake Day with all participating teams and the SLC on Wednesday, March 4<sup>th</sup> at 7 pm in the Hotel Pavilion. This evening event is generously sponsored by CSI, Computers & Structures, Inc.. Get excited for dinner, live music and dancing!
- Only team members are invited to attend the CSI party. This event is not included in the supporter registration fee.

- All students are reminded that this is a professional event and all team members are responsible for upholding the conference [Code of Conduct](#) while in attendance. Team members unable to do so may be asked to leave the event.

### 13. Lunch and Awards Ceremony

- The SDC Awards Ceremony will take place on Friday, March 6<sup>th</sup> from 12:30 to 2 pm in the Grande Ballroom sections B & C. This is a ticketed event which is included as part of all team member and team supporter registration fees. Boxed lunch (sandwiches, chips, fruit) will be served. The SLC strongly suggests business casual attire and encourages the SDC participants to network with the 2020 National Earthquake Conference and EERI Annual Meeting attendees.

### 14. EERI Annual Meeting Technical Sessions & Committee Meetings

- All Seismic Design Competition team members are welcome and invited to attend any of the 2020 AM and NEC technical sessions (excluding conference lunches) while they are in San Diego. There is no cost or registration fee required to attend, so please take a look at the program on the website ([http://earthquakeconference.org/pdf/NEC\\_Program.pdf](http://earthquakeconference.org/pdf/NEC_Program.pdf)) to identify interesting sessions that do not conflict with your team's SDC schedule.

### 15. Food

- Each registered SDC team member and/or supporter will receive a name badge that should be worn **at all times** to provide access to all of the student activities and food described in this Mailer.
- Snacks will be provided to SDC registrants on SDC presentation and shaking days (Tuesday and Wednesday).

### 16. Attire

- Throughout the course of the competition, students should be aware that they are participating in an event held in conjunction with the 2020 National Earthquake Conference and EERI Annual Meeting. This is an excellent opportunity to network with academics and industry practitioners in the field of earthquake engineering, and we encourage you to dress accordingly.
  - During the day on Monday, March 2<sup>nd</sup>, students are encouraged to wear casual attire that represents their university and/or SDC team. There will be unpacking of models and possibly some structural repairs. Preliminary judging starts Monday evening.
  - On Tuesday, March 3<sup>rd</sup>, students should dress in business casual attire if they intend to support their teams during the presentation session. Presenters are expected to dress in business formal attire.
  - On Tuesday evening, students should dress in business casual attire for the Calcutta Auction. This event is open to all EERI 2020 AM and NEC conference attendees.
  - Wednesday, March 4<sup>th</sup> is Shake Day! Team members are encouraged to wear their official 2020 SDC T-shirt that is included with the team packet, or official team gear. Team photos will be taken at the beginning and at the end of each test.
  - For the party hosted by CSI on Wednesday evening, March 4<sup>th</sup>, students should dress to impress! A reminder that this event is only open to student participants; supporter

registration **does not** include this event.

- For Thursday March 5<sup>th</sup> during the afternoon, students should dress in business casual attire if they intend to participate in the PERW or SESI workshops.
- During the student walking tour of San Diego casual or business casual attire is appropriate.
- For the SDC Awards Ceremony and Lunch on Friday, March 6<sup>th</sup>, we recommend that students dress in business casual/formal attire as this event is open to all conference attendees with lunch tickets. Furthermore, there will be quite a bit of photography to capture the teams' successes!

### **17. Communication during the competition**

- Announcements and information will be sent by email throughout the competition week. **It is the responsibility of each SDC team captain to ensure that they can receive emails throughout the competition, and that the SLC has the correct team captain email address.** Each team captain is expected to communicate all announcements and information with their team members.

### **18. Social Media**

- The EERI SLC encourages SDC teams to begin tweeting about their journey to prepare for the competition and to share their experiences at the competition by using the official hashtag **#eerisdc2020** on twitter and Instagram. Any fun pictures of the team, story snippets, etc., are welcomed! Since this is a competition, please consider to what extent you want to reveal your team's architectural/structural design in these posts.
- Follow us on social media! @eeri\_slc on twitter, @eeri\_slc on Instagram, and on Facebook at <https://www.facebook.com/EERI.SLC/>
- We will be sharing a video highlight of each team on Facebook, look there for instructions!

### **19. Post-Earthquake Reconnaissance Workshop**

- The SLC and EERI's Learning from Earthquakes (LFE) Program are jointly organizing a post-earthquake reconnaissance workshop for students. Students will see presentations by EERI experts on how to conduct earthquake reconnaissance and identify the type and severity of structural damage on impacted buildings. Additionally, students will have the opportunity to conduct mock field exercises to assess buildings that have sustained earthquake damage.
- The event time is Thursday, March 5<sup>th</sup> from 9 am to 12:30 pm in Marina Room 6.
- The cost of this event is covered by the SLC. Registration is limited to 60 students.

### **20. SESI Classroom Outreach Workshop**

- EERI's School Earthquake Safety Initiative (SESI) will be presenting a free training during the 2020 National Earthquake Conference and EERI Annual Meeting: Classroom Outreach Training Workshop - K'NEX With Your Community. The goal of this hands-on, interactive workshop is to introduce student chapters and professionals to SESI's classroom outreach curriculum while providing them with the tools to complete this outreach at their local elementary and high schools. YMC members, EERI chapter members, and student chapter



members are encouraged to attend this workshop, giving you the opportunity to connect and network with the EERI community. Registration for this workshop is suggested and can be completed through your Seismic Design Competition registration.

- The cost of this event is covered by the SLC. Registration is limited to 60 students.

## **21. Student Walking Tours of San Diego**

- The SLC along with EERI's Young Members Committee has planned a walking tour for SDC participants given by prominent local architects and engineers to feature seismic retrofit projects in downtown San Diego. The tour will take place on the afternoon of Thursday, March 5<sup>th</sup>. The location, time and transportation to downtown will be announced. If you have registered for this event, please be on the lookout for this email before the competition.
- The cost of this event is covered by the SLC. Registration is limited to 75 students, so don't wait to register!

## **22. Schedule and Important Dates**

- The current SDC schedule is provided on the following page. An image of the hotel layout has also been included for your reference. Below are some additional important dates to pay attention to:
  - **January 31<sup>st</sup>, 11:59 pm PST:** Last day to register for the SDC. Please register here: <https://www.eeri-members.org/2020-sdc-registration>
  - **Friday February 28<sup>th</sup>, 11:59 pm PST:** Last day to submit performance predictions, floor area calculations, and SDC presentation slides. Late submissions will be penalized.
  - **Monday, March 2<sup>nd</sup>, 8:00 am PST:** The Display Room in Grand Ballroom A will open for check-in. This is where the structural models and posters will be displayed throughout the competition. Shipped structures will be delivered the assigned tables and teams can start unpacking their structures and making any necessary repairs.

## **23. Code of Conduct**

- All competitors and supporters must abide by the 2020 National Earthquake Conference code of conduct while attending the 2020 Seismic Design Competition. The code of conduct can be found at: [http://earthquakeconference.org/pdf/NEC\\_Code\\_of\\_Conduct.pdf](http://earthquakeconference.org/pdf/NEC_Code_of_Conduct.pdf)

## 2020 Seismic Design Competition Schedule

<b>Date</b>	<b>Event</b>	<b>Time</b>
Sunday March 1, 2020	<b>Teams Arrive in San Diego</b>	All Day
Monday March 2, 2020	<b>Teams Arrive in San Diego</b>	All Day
	<b>Model and Display Setup</b>	8:00 am – 6:00 pm
	<b>SDC Welcome Event</b>	5:00 pm – 5:30 pm
	<b>SDC Team Captains Meeting</b>	5:30 pm – 6:00 pm
	<b>Preliminary Judging</b> Note: Teams will have specific window for judging	6:00 pm – 9:00 pm
Tuesday March 3, 2020	<b>SDC Presentations Setup and Review</b>	7:30 am – 9:30 am
	<b>Team Presentations</b> Presentation Session A (14 teams) Presentation Session B (12 teams) Presentation Session C (12 teams) Presentation Session D (12 teams)	4 Sessions 10:00 - 11:30 am 11:45 - 01:00 pm 01:15 - 02:30 pm 02:45 - 04:00 pm
	<b>Architectural &amp; Poster Judging Session</b>	12:00 pm – 6:00 pm
	<b>Calcutta Auction</b>	6:00 pm – 8:00 pm
	<b>Violations Meeting</b>	7:00 am – 8:30 am
Wednesday March 4, 2020	Model Shaking Session I (13 teams) Session II (13 teams) Session III (12 teams) Session IV (12 teams)	4 Sessions 8:30 - 10:40 am 10:50 - 1:00 pm 1:10 - 3:10 pm 3:20 - 5:20 pm
	<b>CSI Reception / Wrap Up Party</b>	7:00 pm – 10:00 pm
	<b>Post-Earthquake Reconnaissance Workshop</b>	9:00 am – 12:30 pm
	<b>Student Walking Tours</b> Co-organized with EERI YMC	TBD
Thursday March 5, 2020	<b>SESI Workshop</b>	2:00 pm – 4:00 pm
	<b>Awards Ceremony</b> Lunch served	12:30 pm – 2:00 pm
Friday March 6, 2020		