
ASCE Mid-Pacific Student Symposium 2023

California State University, Chico



Mailer 1

October 15, 2022

Dear Mid-Pacific Regional Conference Participants,

The American Society of Civil Engineers at California State University, Chico is proud to announce the 2023 Mid-Pacific Student Symposium! We are excited to welcome you to our campus and thankful for the opportunity to host this symposium.

This mailer is the first of three that will be released over the next several months. Each mailer will include information regarding the competitions and will be updated with each successive mailer. **Please do not delete this mailer** as it contains valuable information for your competition teams, and information provided may not be repeated in subsequent mailers. Please carefully read through this mailer, and forward copies to the appropriate chairpersons and leadership positions in your Student Chapter.

Included in this mailer are:

- Summary of Deadlines
- Receipt Confirmation
- Student Chapter Registration Form
- Tentative Symposium Schedule
- Competition Rules and Contacts

Please confirm receipt of this mailer by completing the receipt confirmation form by **October 29th, 2022**, and returning the completed form via mail or email. The school registration deadline is **December 3rd, 2022**. The Student Symposium will take place on April 20th - 22nd, 2023. If there are any questions or comments about the content of this mailer, please feel free to email us at chico.midpac2023@gmail.com.

The current Mid-Pac website is under new construction. In the coming months, this website will contain vital competition information, so make sure to keep an eye out!

<https://studentsymposium.asce.org/mid-pacific/>

Please note, all individuals planning and/or participating in the Student Symposium are responsible for complying with all campus protocols and procedures including but not limited to COVID-19 guidelines related to in-person meetings, masking, social distancing, etc., at all times in connection with planning, preparation, or participation in the Student Symposium. Please use all of the tools available to keep people safe and healthy. More information to come in Mailer 2.

We are honored to be hosting the Mid-Pacific Student Symposium this year and are very excited to have this opportunity to connect student chapters across our region, and look

forward to seeing you in April!

Sincerely,

A handwritten signature in black ink that reads "Audrey Waters". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the word "Waters".

Audrey Waters

2023 Mid-Pacific Student Symposium Coordinator

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Summary of Deadlines

DATE	INFORMATION DUE
October 15th, 2022	Mailer 1 Released
October 29th, 2022	Mailer 1 Receipt Confirmation Due
December 3rd, 2022	School Registration Due
January 15th, 2023	Mailer II Released (updates, hotel information, attendee registration form, Covid-19 information)
January 29th, 2023	Mailer II Receipt Confirmation Due
February 11th, 2023	Attendee Registration
February 25th, 2023	Late Attendee Registration
March 25th, 2023	Concrete Canoe Technical Paper GeoWall Design Paper Water Treatment Technical Paper Daniel W Mead Paper Timber Strong Paper
March 11th, 2023	Mailer III Released (updates, maps, parking information, final schedule)
March 25th, 2023	Mailer III Receipt Confirmation
April 22nd, 2023	Concrete Canoe Presentation GeoWall Poster Water Treatment Presentation Daniel W Mead Paper Presentation Timber Strong Presentation
April 20th-22nd, 2023	Mid-Pacific Student Symposium!

Receipt Confirmation

Please return this form via email or postal mail. If postal mail, it must be postmarked by **October 29th**.

Mail: California State University, Chico
Department of Civil Engineering
Attn: 2023 ASCE Mid-Pacific Regional Student Symposium
400 W 1st St
Chico, CA 95929-0930
USA

Email: Audrey Waters
chico.midpac2023@gmail.com

Please print or type the information in this form:

School Name: _____

Mailing Address: _____

Faculty Advisor Email Address: _____

Faculty Advisor Phone: _____

Student Symposium Contact (Chapter President or designate)

Name (First, Last): _____

Phone Number: _____

Email Address: _____

This receipt confirms that we have received Mailer I regarding the 2023 Mid-Pac Regional Student Symposium

Student Chapter Registration

School Name: _____

- ☐ We are attending the 2023 Mid-Pacific Regional Student Symposium
- ☐ We are not attending the 2023 Mid-Pacific Regional Student Symposium

Our school will be participating in the following events: FEES:

- | | |
|---|------------------|
| <input type="checkbox"/> Concrete Canoe | \$150 per school |
| <input type="checkbox"/> GeoWall | \$150 per school |
| <input type="checkbox"/> Steel Bridge | \$150 per school |
| <input type="checkbox"/> Timber Strong | \$150 per school |
| <input type="checkbox"/> Water Treatment | \$150 per school |
| <input type="checkbox"/> Daniel W. Mead Paper | |
| <input type="checkbox"/> Mini-Games | |

Attendee Information

Estimated Number of MidPac Attendees (faculty and students): _____

Please make checks payable to: Chico ASCE Student Chapter

Mail to: California State University, Chico
Department of Civil Engineering
Attn: 2023 ASCE Mid-Pacific Regional Student Symposium
400 W 1st St
Chico, CA 95929-0930
USA

General Student Symposium Schedule*

Thursday April 20th, 2023	Registration & Check-In Welcome Meeting Captains' Meeting
Friday April 21st, 2023	Concrete Canoe Display Concrete Canoe Races Mini Games YMF Social
Saturday April 22nd, 2023	<p>Presentations:</p> <ul style="list-style-type: none">• Mead Paper• Concrete Canoe• Water Treatment• GeoWall• Timber Strong <p>Steel Bridge Aesthetics Steel Bridge Competition Water Treatment Competition GeoWall Competition Timber Strong Competition Career Fair Mini Games Business Meeting Banquet & Awards Ceremony</p>

*This schedule is tentative. A more detailed schedule including start/end times and specific locations will be included in Mailers II & III

Eligibility Requirements for Advancement to National Competitions*

The following qualifications are required of all ASCE Student Chapters in order to advance to the ASCE Society-wide Competition Finals:

An ASCE Student Chapter must:

1. Be in good standing with ASCE:
 - a. Have paid their annual dues, as received by ASCE, **no later than February 1, 11:59 p.m. EST**
 - b. Have submitted their student chapter's **full Annual Report**, **no later than February 1, 11:59 p.m. EST** and have received a minimum score of 40 points out of a possible 100. **Student Chapters that submit an EZ annual reporting form do not qualify** to advance on to competition finals; and
2. Attend and participate in their assigned Student Symposium as shown through their school's:
 - a. On-time attendance and active participation by a member of the ASCE Student Chapter at the Student Symposium Business Meeting
 - b. Participation in the Student Symposium Paper Competition, including submission and presentation by a member of the ASCE Student Chapter. Note that any papers/presentations created for any other competition do not count as an entry into the Student Symposium Paper Competition.

Questions regarding eligibility should be directed to student@asce.org.

Note: Invitations to Student Symposia and ASCE Student Civil Engineering Championships/Society-wide Competition Finals are a privilege, not a right. Failure to act professionally can result in letters of reprimand, mandatory behavior management plans, and loss of invitations to further competition for individual institutions and/or entire conferences.

*Competitions that advance to an ASCE Society-wide Competitions Finals include: ASCE Concrete Canoe Competition, ASCE Innovation Contest, ASCE Sustainable Solutions Competition, and ASCE UESI Surveying Competition.

The AISC/ASCE Student Steel Bridge Competition advances to the SSBC National Finals and follows the eligibility requirements below. See SSBC Rules for more information.

Competition Rules & Contacts

Concrete Canoe

Competition Date: Friday April 21st, 2023

Competition Location: TBA

Summary:

The ASCE Concrete Canoe Competition provides students a unique opportunity to gain hands-on practical experience while testing their skills with concrete mix designs and project management challenges. Organizers, sponsors, and participants are dedicated to building awareness of concrete technology and application, as well as the versatility and durability of concrete as a construction material, among civil engineering students, educators, practitioners, the concrete industry, and the general public.

Rules:

This competition is a society-wide competition that follows national rules provided by ASCE. For rules and additional resources, please refer to the following link:

<https://www.asce.org/-/media/asce-images-and-files/communities/students-and-younger-members/documents/concrete-canoe-competition-2023-rules.pdf>

The Mid-Pacific Concrete Canoe Competition is a qualifying round to participate in the National Concrete Canoe Competition. To participate in the national concrete canoe competition, please refer to Section 3.0 “Eligibility” in the 2023 ASCE Concrete Canoe Competition Request for Proposals – Rules linked above.

Contact:

Any questions regarding the Concrete Canoe Competition can be sent to:

concretecanoe.midpac2023@gmail.com

Daniel W. Mead Paper

Competition Date: Saturday April 22nd, 2023

Competition Location: Chico State Campus

Summary:

The Daniel W. Mead Paper Competition is a competition in which an individual from each competition school writes and presents a paper on professional ethics. The contest provides an opportunity for young civil engineers to further their professional development and gain national attention.

Rules:

This competition follows the National-level Daniel W. Mead student paper competition rules published by ASCE on the following website:

<https://www.asce.org/career-growth/awards-and-honors/daniel-w-mead-prize-for-students>

The same topic and rules will be used at the Mid-Pacific Conference, but the Mid-Pacific Conference Competition also includes an oral presentation component.

Please be advised that the submittal to the Mid-Pacific Conference Mead Paper Competition should not be confused with the National Daniel W. Mead nomination. Although the same topic and rules are used for both competitions, they are separate competitions with separate submittal requirements for each.

Please refer to the website

<https://www.asce.org/career-growth/awards-and-honors/daniel-w-mead-prize-for-students> for submittal requirements and specifications for the national Daniel W. Mead Student paper competition.

Contact:

Any questions regarding the Mid-Pacific Conference Daniel W. Mead Paper competition can be sent to:

meadpaper.midpac2023@gmail.com

2023 Topic:

Per [ASCE's Code of Ethics](#), engineers govern their professional careers on fundamental principles that, above all else, protect and advance the health, safety, and welfare of the public through the practice of Civil Engineering.

Most engineering designs rely on regulations that trickle down from federal, state, and county levels. In some situations, regulations and the ethical considerations of engineers may not always align due to regulations requiring updates to incorporate new standards of practice or as a result of outside influences.

How does an engineer balance regulations and ethics?

Mead Paper Rules:

1. Papers for the Mid-Pacific Student Competition shall:
 - a. be limited to one paper from each Student Organization
 - b. not exceed 2,000 words in length
 - c. be written by only one person
 - d. not have previously been published other than in school or Society publications.
2. Reference citations of the papers used should conform to official ASCE Journal Submission Guidelines, which can be found on the ASCE Publications Website: <http://ascelibrary.org/page/authors>.
3. A complete bibliography should also be included, if appropriate. The bibliography will not count towards total word count.
4. Authors must be undergraduate students and both ASCE Student Organization members and ASCE national student members in good standing at the time of submission.

Mid-Pacific Student Conference Mead Presentation Rules

1. Each entrant must formally present their paper at the Mid-Pacific Conference. Presentations must be (5) minutes in duration (+/- 5 seconds without penalty.) Please see the scoring rubric for further scoring details.
2. Presentations must be accompanied by visual aids.
 - a. The host chapter will provide a projector and screen.
 - b. Any additional equipment shall be furnished by the presenter.
 - c. The specifications of the meeting room and type of usable input for the projector will be provided in Mailer II.
3. The host school will not provide a timer for the presenter's use. The presenter may ask someone in the audience to help keep track of the time but shall not distract the judges.
4. At the end of each presentation, the judges will have up to (5) minutes to ask questions.

Judges may choose to limit audience members to those individuals associated with the presenter's university. Audience policies will be announced at the Captains' meeting.

Paper Format

1. Use 12-point Times New Roman or Arial font, single spaced, using normal width character spacing, and 1-inch margins on all sides.
2. Include paper title, author name, and university at the top of the first page.
3. Sequential page numbers shall be placed at the bottom of each page and centered.

Submittal Requirements

Submittal requirements and information will be detailed in Mailer II.

Scoring and Awards

1. The paper and presentation carry equal weight of 50 points each, for a maximum overall score of 100 points.
2. Judges will score the paper and presentation individually. The average of the judges' scores for each author/presenter will be ranked to determine final placement.
3. Awards will be given as follows: 1st place: \$100, 2nd place: \$75, 3rd place: \$50

Scoring criteria and rubric will be detailed in Mailer II.

GeoWall

Competition Date: Saturday April 22nd, 2023

Competition Location: Chico State Campus

Summary:

The objective of the Geo-Wall competition is to design and build a model of a mechanically stabilized earth (MSE) retaining wall using paper reinforcement attached to a poster board wall facing. Students are to design a MSE wall using the least amount of reinforcement needed to support the retained soil and design loads, and effectively communicate their analysis and design processes.

Rules:

This competition follows national rules provided by Geo-Institute. The rules will be included in Mailer II, but will be officially released at an earlier date by the Geo-Institute.

Contact:

Any questions regarding the GeoWall Competition may be sent to:

geowall.midpac2023@gmail.com

Steel Bridge

Competition Date: Saturday April 22nd, 2023

Competition Location: Chico State Campus

Summary:

The AISC/ASCE Steel Bridge Competition challenges students to an intercollegiate competition that supplements their education with a comprehensive, student-driven project experience from conception and design through fabrication, erection, and testing.

Rules:

This is a society-wide competition that follows national rules provided by AISC/ASCE. For rules and additional resources, please refer to the following link:

<https://www.aisc.org/education/university-programs/student-steel-bridge-competition/ssbc-rules-and-clarifications/#14406>

The Mid-Pacific Steel Bridge Competition is a qualifying round to participate in the national steel bridge competition. To participate in the national steel bridge competition, please refer to the Section 4 “Eligibility” in the 2023 Official Student Steel Bridge Competition Rules linked above.

Contact:

Any questions regarding the Steel Bridge Competition can be sent to:

steelbridge.midpac2023@gmail.com

Timber Strong

Competition Date: Saturday April 22nd, 2023

Competition Location: Chico State Campus

Summary:

ASCE has partnered with the American Wood Council (AWC), APA - Engineered Wood Association (APA), and Simpson Strong-Tie (SST) to pilot the Timber-Strong Design BuildSM (TSDBSM) Competition. The competition seeks student teams to design and build an artistically creative 2-story wood light-framed building that is sustainable, aesthetically pleasing and structurally durable.

Rules:

The Timber-Strong Design BuildSM rules describe the requirements to design, model, and build a 2-story wood light-framed building. The competition enables students to gain experience in performing aspects of common structural engineering design and practice as well as gain exposure to the management and building practices used in construction environments. Student teams should read these rules thoroughly and seek clarifications as necessary*.

For rules, please refer to the following link:

https://www.asce.org/-/media/asce-images-and-files/communities/students-and-younger-members/documents/asce-timber-strong-design_build-rules-2023-revised.pdf

*The competition provides a “Requests for Information (RFI)” period so that student teams can ask questions about the rules. See the rules document for where and when to send RFIs as well as how to access the responses.

Contact:

Any questions regarding the Timber Strong Competition can be sent to:

timber.midpac2023@gmail.com

Water Treatment

Competition Date: Saturday April 22nd, 2023

Competition Location: Chico State Campus

Summary:

The ASCE Mid-Pacific Student Water Treatment Competition is a competition in which students will work in teams to build a filtration system that will be judged based on water quality, design report, construction, efficiency, cost, and an oral presentation. Simulated wastewater will be loaded into the filter and teams will be ranked and are expected to collaborate in solving this real-world problem. The competitors will use materials attainable at a hardware store to design their filter which will treat wastewater based on real-world scenarios in the rules of the competition.

Rules:

The finalized rules for this competition will be released on **November 4th, 2022 by 11:59 PM.**

Contact:

Any questions regarding the Water Treatment Competition can be sent to:

watertreatment.midpac2023@gmail.com

Mini Games

Competition Date: Friday April 21st - Saturday April 22nd, 2023

Competition Location: Concrete Canoe Location (TBA), Chico State Campus

Summary:

The Mini Games are designed to allow participants to interact, engage, and enjoy the conference outside of the traditionally hosted competitions. There will be various group activities each school can participate in. They will occur before, during, and after the Concrete Canoe competition on Friday, April 21st, and all day throughout the Chico State Campus on Saturday, April 22nd, 2023.

Rules:

An official list of the Mini Games and their respective rules will be released in Mailer II.

Contact:

Any questions/concerns regarding the Mini Games may be sent to:

minigames.midpac2023@gmail.com