ASCE MID-PACIFIC REGIONAL CONFERENCE



MAILER II



California State University, Chico California State University, Fresno California State University, Humboldt California State University, Sacramento California State University, San Francisco **California State University, San Jose University of California, Berkeley University of California, Davis University of the Pacific University of Nevada, Reno Universite of Laval HoHai University Santa Clara University Tongji University Zhejiang University**



January 15th, 2017

Mid-Pacific Regional Conference Participants,

The American Society of Civil Engineers at the California State University, Chico thanks you all for your attention to the deadlines and the enthusiasm for this years conference! Your excitement makes all of us here at Chico eager to welcome you all to our town.

This mailer is the second of three that will be released over the next several months. Each mailer will concern various information regarding the competition, and will be updated with each successive mailer. Please do not delete this mailer, as it contains valuable information for your various competition teams. Included in this mailer are:

- Receipt Confirmation
- Deadlines Summary
- Conference Schedule
- Registration Information
- Hotel Accommodations
- Competition Updates and Rule Clarifications

Please confirm you have received this mailer by emailing or mailing the enclosed form by January 29th, 2017 to the address listed. The attendee pre-registration deadline is February 20th, 2017 (*this is a date change*), and the attendee registration deadline is April 13th, 2017. Student registration includes a banquet ticket, however there will be additional banquet tickets available for purchase for at a cost of 30\$/per ticket up until April 13th, 2017. The conference shall take place on April 20th -22nd, 2017.

The current Mid-Pac website is up and running! Please visit the following web address for conference information and updates. In addition, we have posted all questions with corresponding answers on the website for all competitors to reference.

www.ascemidpac.org

If there are any questions, or comments about the content of this mailer, please feel free to email us at midpac2017.chico@gmail.com.

Sincerely,

Lauren Pitcher

2017 Mid-Pacific Regional Conference Coordinator



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RECEIPT CONFIRMATION

Mail:	2017 ASCE Mid-Pacific Regional Conference	
	Department of Civil Engineering	
	Attn: ASCE Langdon 202	
	California State University, Chico Ca 95929-930	
Email:	Lauren Pitcher	
	midpac2017.chico@gmail.com	
Please print or type the	information in this form:	
School Name: Mailing Address:		
Faculty Advisor:		
F.A. Contact Informatio	n:	
Student Conference Co	ntact (For receiving conference emails)	
Name (First, Last)	Phone Number

Email Address

This receipt confirms that we have received Mailer II regarding the 2017 Mid-Pacific Regional Conference

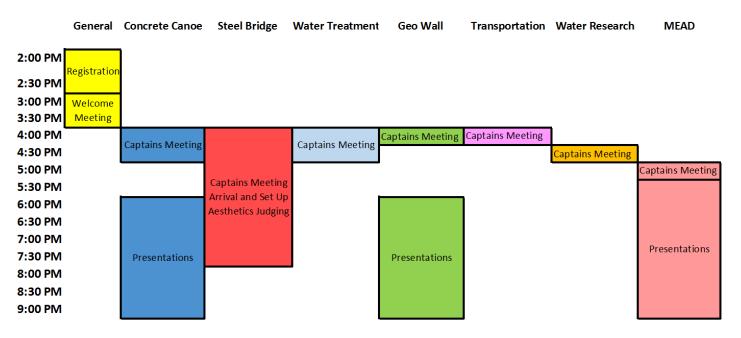


DEADLINES SUMMARY

DATE	INFORMATION DUE
October 15, 2016	Mailer I Released
November 13, 2016	Mailer I Receipt Confirmation
December 4, 2016	School Registration
January 15, 2017	Mailer II Released
January 29, 2017	Mailer II Receipt Confirmation
February 20, 2017	Attendee Pre-Registration
March 18, 2017 Postmarked	Concrete Canoe Technical Paper Transportation Technical Paper Water Research Paper Mead Paper Water Treatment Technical Paper
March 26, 2017	Mailer III Released
April 2, 2017	Mailer III Receipt Confirmation
April 13, 2017	Attendee Registration
April 15, 2017	Concrete Canoe Presentation Geowall Design Poster Geowall Design Paper Professional Paper Presentation Water Research Presentation Water Treatment Presentation
April 20 TH -22 ND , 2017	Mid-Pac!!
Thursday April 20 th , 2017	Registration Welcome Meeting Individual Team Meetings Presentations: Concrete Canoe Geo – Wall Mead Paper Steel Bridge Aesthetics Judging
Friday April 21 st , 2017	Transportation Poster Display Concrete Canoe Display Steel Bridge Competition Water Treatment Competition Presentations: Water Research Water Treatment YMF Social
Saturday April 22 nd , 2017	Concrete Canoe Races Geo-Wall Competition Mini Games Business Meeting Banquet

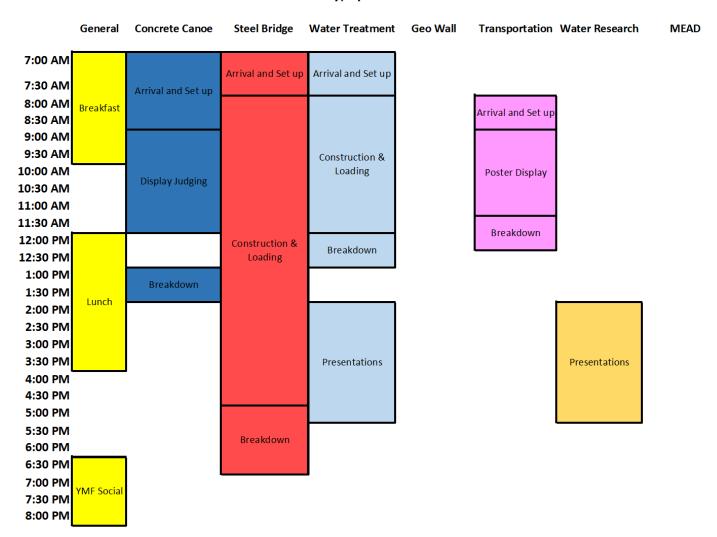
CONFERENCE SCHEDULE

Thursday, April 20th 2017





Friday, April 21st 2017





Saturday, April 22nd 2017

	General	Concrete Canoe	Steel Bridge	Water Treatment	Geo Wall	Transportation	Water Research	MEAD
7:00 AM		Arrival/ Set up &			Arrival/ Set up			
7:30 AM		Captains Meeting			& Captains Meeting			
8:00 AM	Breakfast				Construction &			
8:30 AM		Dunk Test			Backfilling			
9:00 AM								
9:30 AM		Endurance Races						
10:00 AM		21144141155114555			Loading			
10:30 AM	Mini							
11:00 AM	Games							
11:30 AM								
12:00 PM 12:30 PM					Break Down			
1:00 PM	Lunch	Sprint Races			Break Down			
1:30 PM				ı				
2:00 PM	Mini							
2:30 PM	Games							
3:00 PM								
3:30 PM		Break Down						
4:00 PM								
4:30 PM								
5:00 PM		_						
5:30 PM	Business							
6:00 PM	Meeting							
6:30 PM								
7:00 PM								
7:30 PM 8:00 PM	Banquet							



ATTENDEE REGISTRATION INFORMATION

Attendee Registration Deadline:

February 20, 2017 Attendee Pre-Registration

April 13, 2017 Attendee Registration

Attendee Registration Details:

Attendee Pre-Registration \$80.00

Attendee Registration \$90.00

Provided Meals:

Day	Breakfast	Lunch	Dinner
Thursday		*	
Friday	Yes	Yes	**
Saturday	Yes	Yes	Pre-Paid

^{*} Refreshments will be provided at the Captain's Meeting for Captains

Attached to this Mailer is an attendee registration sheet, it can also be found online on our website listed above. Complete the Attendee Registration spreadsheet with the required information. The second sheet, the Attendee Registration Fees, tallies the total costs for your chapter and a summary of the tee-shirt sizes. Confirm these numbers, and return the completed spreadsheet via email to midpac2017.chico@gmail.com. For any questions regarding the registration process, please also email Lauren Pitcher at midpac2017.chico@gmail.com

All checks must be postmarked by either February 20th or April 13th, depending on your schools choice on when to register. If there are any issues or concerns, please contact us directly and we will help as much as we are able.

Address for checks:

2017 ASCE Mid-Pacific Regional Conference

Department of Civil Engineering

Attn: ASCE Langdon 202

California State University, Chico Ca 95929-930

^{**} Light refreshments will be served at the social



HOTEL RESERVATIONS

We are currently still working on blocking out large amounts of rooms at various hotels. If your school would like to go ahead and book your own rooms on your own, we greatly encourage it. Below are a list of recommended hotels. We will continue to work on the hotel accommodations and update everyone on our progress soon. If there are any questions please contact Lauren Pitcher at midpac2017.chico@gmail.com. We apologize for any inconvenience. Thank you.

Oxford Suites Chico

Address: 2035 Business Ln, Chico, CA 95928

Phone:(530) 899-9090

Website: http://www.oxfordsuiteschico.com

Supper 8 Chico

Address: 655 Manzanita Ct, Chico, CA 95926

Phone: (530) 345-2533

Website: https://www.wyndhamhotels.com/super-8/chico-california/super-8-

chico/overview?CID=LC:SE:20160927:Rio:Local

Quality Inn

Address: 715 Main St, Chico, CA 95928

Phone:(530) 343-7911

Website: https://www.choicehotels.com/california/chico/quality-inn-hotels/cab92?source=gyxt



Hotel Diamond

Address: 220 W 4th St, Chico, CA 95928

Phone: (530) 893-3100

Website: http://hoteldiamondchico.com/

Courtyard Chico

Address: 2481 Carmichael Dr, Chico, CA 95928

Phone:(530) 894-6699

Website: http://www.marriott.com/hotels/travel/ciccy-courtyard-chico/?scid=bb1a189a-fec3-4d19-

a255-54ba596febe2

Best Western Heritage Inn – Chico

Address: 25 Heritage Ln, Chico, CA 95926

Phone:(530) 894-8600

Website: https://www.bestwestern.com/en_US/book/hotel-

details.05444.html?iata=00171880&ssob=BLBWI0004G&cid=BLBWI0004G:google:gmb:05444

University Inn

Address: 630 Main St, Chico, CA 95928

Phone:(530) 895-1323

Website: http://www.universityinnchico.com



Ramada Plaza Chico

Address: 685 Manzanita Ct, Chico, CA 95926

Phone:(530) 345-2491

Website: https://www.wyndhamhotels.com/ramada/chico-california/ramada-plaza-

chico/overview?CID=LC:RA:20160927:RIO:Local:SM-rapaci



CONCRETE CANOE

Competition Date: Friday, April 21st, 2017

Saturday, April 22nd, 2017

Competition Location: Chico State Campus

Black Butte Lake, Orland Ca

Updates: Please come prepared for any weather conditions. Even though the competition is in

April I highly recommend each school bring a pop up or large enough shelter to fit all your supplies and team members in case of rain. It is crucial for all schools to send in their technical papers by March 18th. It allows us and the judges to review thoroughly before the competition. Since there are many schools participating in the competition

the judges need all the time they can get.

Resources:

Rules and Mix Design regulations for the competition will follow ASCE 2017 National

Rules. It can be found on ASCE website at

http://www.asce.org/rules-and-regulations/.

Contact:

Concrete Canoe Coordinator

Eric Enkh

midpac17chico.canoe@gmail.com



STEEL BRIDGE

Competition Date: Thursday, April 20th, 2017

Friday, April 21st, 2017

Competition Location: Chico State Campus

Updates: 1.) Prepare for outdoor conditions Rain or Shine

2.) Weights used in Steel Bridge Competition each of the schools participating in the Steel Bridge Event the cost is \$225 Note: these weights are for the purchase of steel recommended by AISC and these weights will be "floating" from Host School to Host School within the Steel Bridge Event in respect to the Mid-Pacific Conference. This is also

a one-time fee.

Resources:

Use the tabs as a directory on the left side of the page after searching the link below

http://www.aisc.org/content.aspx?id=780

Contact:

Mid-Pac Steel Bridge Coordinator

Jose Barajas

chicosteelcoordinator@gmail.com



MINI-GAMES

Competition Date: Saturday, April 22nd, 2017

Competition Location: Black Butte Lake, Orland Ca

Updates: None

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Contact:

Mini Games Coordinator

John Pollock

cuchicominigames@gmail.com



DANIEL W. MEAD PAPER

Competition Date: Thursday, April 20th, 2017

Competition Location: Chico State Campus

Updates: None

Resources:

The National Student Daniel W. Mead Competition Rules have been published at the website located below: http://www.asce.org/mead-student/

The same topic and rules will be applied to the paper at the Mid Pacific Conference as seen on the above website and in the topic and rules sections below.

Please be advised, the submittal to the Mid Pacific Mead Paper Competition should not be confused with the National Daniel W. Mead nomination. Although the two competitions have the same topic, and rules they are two individual competitions with two different submittals.

At the Mid Pacific Conference, a Mead Paper Presentation will also be judged in this competition.

Contact:

Any questions regarding the Mid Pacific Mead Paper Competition may be sent to:

Carole Wigno

midpac2017meadpaper@gmail.com



GEO-WALL COMPETITION

Competition Date: Thursday, April 20th, 2017

Saturday, April 22nd, 2017

Competition Location: Chico State Campus

Black Butte Lake, Orland Ca

Updates: The following are important updates made to the rules.

In Section 7 Sandbox and Section 14 Pre-Competition Team Captains" Meeting, It states that teams have the ability to correct and modify their wall design after the captains meeting, which will be on Thursday April 20th, having until 9:45 am local time on the competition day. Due to the competition beginning early morning, your teams will now only have up until 7:00 am local time the day of completion. Please make sure you understand that the only changes that can be made is due to compliance issues and/or unsatisfactory specifications of backfill and/or wall materials. As the rules state, if changes are done due to other reasons, there will be a penalty.

In Appendix C Design Report Judging Rubric, the total score should be totaling 50 pts, NOT 40. The points are distributed as follows;

1) Formatting, Mechanics, Grammar & Safety

a-d 2pts, e 2pts, f 2pts

2) Experimental Methods, Analyses and Design

a-i 3pts

3) Engineering Reasoning and Communication

10pts

This changes then change the table in Appendix E, titled E5: Scoring. The first item Report score out of 50, R will actually to Report and Poster score out of 70, R.

Contact:

For any questions or concerns email Dayana De La Rosa and Diana Cendejas at:

midpacgeowall2017@gmail.com



WATER RESEARCH

Competition Date: Friday, April 21st, 2017

Competition Location: Chico State Campus

Updates: None

Contact:

For questions regarding the water research competition contact:

Carole Wigno

midpac2017waterresearch@gmail.com



WATER TREATMENT COMPETITION

Competition Date: Thursday, April 20th, 2017

Friday, April 21st, 2017

Competition Location: Chico State Campus

Updates:

Inlet Water Constituents

Two (2) 5-gallon buckets total will be prepared for each team. All constituents will be added and stirred 24 hours prior and then stirred again 5 minutes before filter loading phase.

Per 5-gallon bucket:

Miracle-Gro Potting Mix 500 g Frontier Charcoal Briquettes 1 lbs Iodized Salt 58 g Vegetable Oil 1 cup Distilled Vinegar 1 cup Regal Blue Food Dye ~ 10 drops

Additional Materials List

Note: All items must be in its original packaging (see exceptions in construction details). For example, if a store sells hardware cloth in 10 square feet sizes, bring the unopened packaging to the competition. The hardware cloth will therefore be charged as \$6.70 in the cost analysis section of the design report, regardless of how much is used during the construction phase.

Table 1: List of Available Materials for Filter Design

Number	Item	Unit	Cost (\$/unit)
1	3 Drawer Plastic Tote	/unit	17.88
2	90" Batting Fabric	/yd.	3.97
3	Anthracite	/2 oz.	3.75
4	Microwave Lid Cover	/unit	6.99



COMPETITION SCORING

A breakdown of points per section of the competition is detailed below. Please refer all water treatment competition related questions to <u>watertreatmentmidpac2017@gmail.com</u>.

Table 2: Competition Scoring by Points Summary

Category	Sub-Category	Points
	рН	5
	Turbidity	5
	Total Free/Available Chlorine	5
Water Quality	Electrical Conductivity	5
	Dissolved Oxygen	5
	Volume	5
	Subtotal	/30
	Filter Design & Analysis	15
	Materials List/Cost Analysis	3
Design Report	Sustainability	4
	Professional Quality	3
	Subtotal	/25
	Technical Content	2
Poster	Professional Quality	1
Presentation	Presentation and Q&A	2
	Subtotal	/5
	Technical Content	8
Oral Presentation	Visuals	3
C.a cocitation	Oral Presentation	4
	Q&A Session	5



	Subtotal	/20
	Construction Time	13
	Cost of Construction	5
Construction	Orderliness of Construction Site	1
	Overall Teamwork	1
	Subtotal	/20
Total		/100

Contact:

Water Treatment Competition Coordinator

Whitney Brown

Send submissions and questions via email to: <u>watertreatmentmidpac2017@gmail.com</u>



TRANSPORTATION COMPETITION

Competition Date: Friday, April 21st, 2017

Competition Location: Chico State Campus

Updates:

1. The City of Chico website links for details are not working. The requirement will now be to use Caltrans Standard Plans 2015 edition which can be found at http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/stdplns-US-customary-units-new15.htm

2. The written summery should include an explanation of what methods were used to overcome the lack of specific traffic volume data. Any assumptions should be explained and their validity in this situation justified.

Contact:

Carole Wigno

midpac2017transpo@gmail.com