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2013 Annual Report for ASCE Student Organizations

Calendar Year: January 1 – December 31, 2013

University of Southern California

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President's Message

The year 2013 brought forth new challenges and opportunities to grow for the University of Southern California student chapter of the American Society of Civil Engineers (USC ASCE).

USC ASCE began the year by continuing to plan the Pacific Southwest Conference (PSWC), which took place in April 2013. This conference was co-hosted with Loyola Marymount University (LMU) and California Baptist University (CBU), but majority of the events took place on the USC campus. We battled with constant construction on campus, high parking rates, and venue conflicts with other events held that weekend. In the end, it all worked out, and many schools gave us positive feedback about the conference.

In addition to planning PSWC, we also needed to field teams to compete, which is one area we struggled in. Many of our members were heavily involved with the planning of events, so they were not eligible to compete in certain events. Other members only attended the conference between classes, so there were some events where no one showed up. However, our Environmental Design Team pulled through and placed 1st in their endeavor to construct a municipal sewer collection system. Despite this success, USC ASCE placed 12th overall out of 18 universities, which is similar to our rankings in the past.

Determined to do better and with renewed energy, our new Executive Board charged into Fall 2013. We formulated new goals, completely redesigned our website, started PSWC design team blogs, and looked into expanding our career development focus. We tripled our recruiting efforts from previous years by visiting every underclassmen civil/environmental engineering class and re-launching our Big Buddy/Little Buddy program. We worked with our undergraduate advisor to send out email advertisements. Our efforts paid off because over 75 students attended our first meeting, compared to about 50 from previous years.

To keep our new members engaged, our Steel Bridge and Concrete Canoe teams started holding weekly meetings. The Concrete Canoe team formed sub-teams for the first time and got more members involved in leadership roles. USC ASCE held two speaker meetings, two general meetings, and several social events. We volunteered in our community, coordinated a resume workshop, and hosted the Los Angeles Section Student Roundup. We held one event almost every week and tried to provide enough variety of events to appeal to all members. We plan to continue this trend of events for the spring semester while focusing in on doing well at PSWC 2014.

Another important focus of USC ASCE this year is networking. We sent 8 students to the ASCE National Conference in Charlotte, NC and met many friends, both new and old, from around the world. We met several people from nearby universities, and we look forward to seeing them soon at the

upcoming conference. At each of our events, we implemented different activities to facilitate discussion and encourage our members to talk to others, which could potentially help them in their career search someday.

USC ASCE recognizes the support of the Viterbi School of Engineering and the Sonny Astani Department of Civil and Environmental Engineering, the guidance of its official and unofficial advisors, and the strong commitment of its members. USC ASCE would not continue to improve without each and every one of these key components, to which we would like to express our sincere appreciation.

Respectfully,

A handwritten signature in black ink that reads "Elise Takebayashi". The signature is written in a cursive, flowing style.

Elise Takebayashi
USC ASCE, President

I. Student Organization Information

Part I contains the objective records regarding the student organization's leadership, membership, and finances.

School Name: University of Southern California

ASCE Student Organization Mailing Address: USC ASCE, 3620 Vermont Avenue, KAP 210, Los Angeles, CA 90089

ASCE Student Organization E-mail Address: uscasce@usc.edu

ASCE Student Organization Website: <http://uscasce.com/>


ASCE Student Organization Other Online Site(s): <https://www.facebook.com/uscasce>
<http://canoe.uscasce.com/>

Month(s) of Officer Elections: April

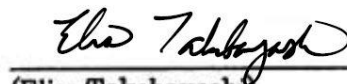
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Report submitted by:

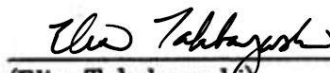
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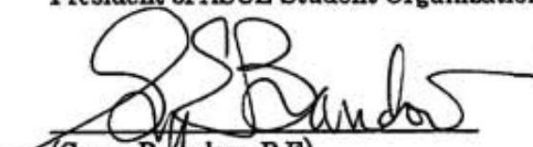
(Davi Corcio-Alvarez)
Secretary of ASCE Student Organization



(Elise Takebayashi)
President of ASCE Student Organization



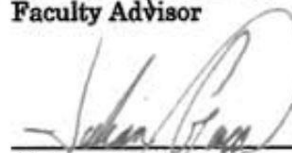
(Elise Takebayashi)
President of ASCE Student Organization



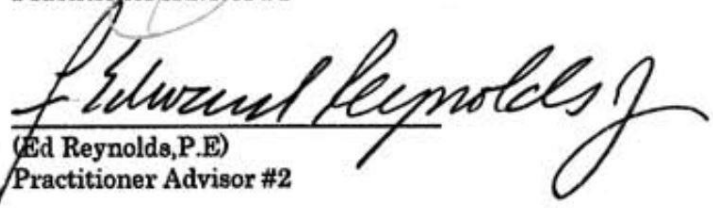
(Gregg Brandow, P.E.)
Faculty Advisor

2/1/14

Date



(Julian Garcia, P.E.)
Practitioner Advisor #1



(Ed Reynolds, P.E.)
Practitioner Advisor #2

1. Advisor Information

Faculty Advisor Name:	Professor Gregg Brandow, P.E
Faculty Advisor ASCE Member Number:	163115
Faculty Advisor E-mail Address:	brandow@usc.edu
Faculty Advisor Phone Number:	213-740-1040
Faculty Advisor Fax Number:	213-744-1426
Practitioner Advisor #1 Name:	Julian Garcia, P.E
Practitioner Advisor #1 ASCE Member Number:	356626
Practitioner Advisor #2 Name:	Ed Reynolds, P.E
Practitioner Advisor #2 ASCE Member Number:	199396

2. ASCE Student Organization Officers

From: January 2013

To: April 2013

President: Oscar Rivera

Vice President: Theresa Kurth

Secretary: Katie Wilson

Treasurer: Thomaz Paschoal

PSWC Chair: Chris Hong

Canoe Co-Captains: Jake Hermle & Erin Khan

Bridge Co-Captains: Thomas Palmieri & Justin Zhang

Environmental Co-Captains: Elise Takebayashi & Rosa Lau

Historian: Davi Corcio-Alvarez

Communication Chair: Jennifer Vides

Social Co-Chairs: Loay Alsalem & Joao DeBarros

Fundraising Chair: Omar Dana

From: May 2013

To: December 2013

President: Elise Takebayashi

Vice President: Rosa Lau

Secretary: Davi Corcio-Alvarez

Treasurer: Evan Rosca

Concrete Canoe Co-Captains: Jake Hermle & Sian Alam

Steel Bridge Co-Captains: Daniel Huang & Winston van Keulen

Environmental Co-Captains: Lauren Tiedemann & Tedman Tran

PSWC Chair: Naren Sahai

Sponsorship/Fundraising Chair: Vincent Nguyen

Social Co-Chairs: Allison Wheeler & Dennis Orozco

Membership Chair: Nick Halsey

Historian: Joshua Hung

3. Finances

Refer to Appendix F for a Summary Financial Statement

Local Membership dues: \$30 per academic year

Societal-level Membership: \$0 per calendar year

Summary for 2013:

Total Income (2013): \$9660

Total Expenditures (2013): \$9569.27

Financial Position as of December 31, 2013:

Cash Balance: \$90.73

Accounts Receivable: \$150

Accounts Payable: N/A

4. Important Contacts

Name	Contact	Address	Key Points
Gregg Brandow, P.E.	213-740-1040 brandow@usc.edu	3620 S. Vermont Ave. Los Angeles, CA 90089	Faculty Advisor
Danielle Elkins	213-228-8262 Danielle.Elkins@chm.com	100 Wilshire Blvd. 21st Floor Los Angeles, CA 90017	Ch2M Hill Engineer & Former President of ASCE
Julian Garcia, P.E.	310-508-6183 JUGARCIA@dpw.lacounty.gov	952 Cypress St. #6 El Segundo, CA 90245	Practitioner Advisor
Paul Garcia	559-916-9141 Paulmichael.garcia@gmail.com	100 Wilshire Blvd. 21st Floor Los Angeles, CA 90017	CH2MHill MLAB YMF Contact
Serge Haddad	323-205-6236 Serge.haddad@gmail.com	LADWP	MLAB YMF Contact
Lance Hill	213-740-0599 lhill@usc.edu	3620 S. Vermont Ave. Los Angeles, CA 90089	USC CEE Lab Director
Julia Moye	213-483-4623 Julia.moye@lacity.org	1149 S. Broadway St. Suite 810 Los Angeles, CA 90015	Civil Engineering Associate
Farzad Naiem, S.E.	213-483-6490 farzad@johnmartin.com	1212 S. Flower Street Los Angeles, CA 90015	Serves as a link between USC ASCE and industry sponsors.
Don Sepulveda, P.E.	213-593-8401 dsepulveda@hntb.com	707 Wilshire Blvd Suite 3300 Los Angeles, CA 90017	Provides feedback for student work and organizational publications such as the Annual report.

Part II. Student Organization Goals and Objectives

Summary Statement

In the spring of 2009, USC ASCE released its first Five-Year Strategic Plan. This plan outlined the goals for the organization to promote its growth and improve its reputation. The strategic plan was divided into five broad categories: university interaction, branch and section interaction, societal interaction, internal affairs and conference competition. As required by the strategic plan, this portion of the annual report will serve as an opportunity to reflect upon the progress towards the completion of our goals as well as the metrics by which we measure our success. This portion will serve as a standalone supplement to the strategic plan and shall be made available to our members via our website. To preserve the continuity between the strategic plan and our annual report, the formatting of this goals and objectives section shall match that of the strategic plan in its categorical division.

University Interaction

The stated goals for university interaction are:

1. *Maintain status as both a University and Viterbi Student Council Recognized Student Organization.*
 - In 2013 USC ASCE maintained its status as a recognized student organization. This included the implementation of the university's new "Involvement Transcript," a web based program that allows organizations to record events and hours so members have an official record of involvement in student organizations.
 - Recognition at the university is a yearly process that will need to be completed again in the fall of 2014.
2. *Send at least one representative to all department events for undergraduate students, specifically those events aimed at student involvement, underclassmen outreach, and faculty or student recognition.*
 - While overall representation was improved at events during the past year, the executive board felt that there is room for more joint events between the department and student organizations. Currently, the department plans events independently of students and invites us to them. Our goal is to plan at least 3 additional events to the standard yearly department social, which can include even study hours.
3. *Send at least two representatives to all Viterbi welcome events, such as the Freshman Welcome Luau. The representatives will bring a display to each event.*
 - At this year's Luau 3 officers represented us and reached out to nearly 50 freshmen students. Participation in this event allows our officers to gather contact information, explain about our research and design projects, and to advertise our upcoming events.
4. *Provide student volunteers for Viterbi events, such as career fairs.*

- Select Viterbi events in 2013 required volunteers, aside from those serving as representatives, to admission events. USC ASCE was always represented, but we hope to increase our involvement in 2014.

5. *Plan and sponsor an annual Engineering Week activity for faculty, students and the outside community in support of the Viterbi School of Engineering E-Week program.*

- In 2012, USC ASCE created and ran two days of activities in conjunction with the activities put on by the Viterbi Student Council. As in years past we developed, funded and implemented a “Tallest Tower” competition, which gave teams of 2-3 students a five minute time limit to construct towers from wooden skewers and marshmallows. As a part of the “Carnival Day” we ran a concrete bowling alley. Our goal is to continue this tradition and keep implementing more opportunities for students to learn more about engineering, and specifically, civil engineering.

Branch and Section Interaction

The stated goals for branch and section interaction are:

1. *Attend all branch student events including, but not limited to, MLAB Student Mixers and the Student Recognition Banquet.*

- USC ASCE has been represented at many MLAB events, however there were some events that conflicted with scheduled classes and our students were unable to attend. We want students to be encouraged to attend.

2. *Send at least one Representative to regular branch meetings.*

- We did not have at least one representative at all of the regular branch meetings, due to class schedule and involvement issues. In order to increase involvement next year we shall implement an involvement requirement for all USC ASCE officers to attend at least one meeting throughout the year.

3. *Inform practitioner advisors of all meetings and hold one advisor-Executive Board meeting per term.*

- This year we had better contact with both of our practitioner advisors. Yet, there is still not much contact with them throughout the year. Our goal is to have more time to coordinate and ask for advice from the practitioner advisors.

4. *Hold at least two general meetings per term with representatives from the Metropolitan Los Angeles Branch to inform all members of opportunities in the American Society of Civil Engineers, and promote interaction and socialization with young members of MLAB.*

- USC has not had many general meetings such as this in the past. As such, we hope to hold this meeting at the start of the 2013-2014 school year to gain the most interest and member turnout.

5. *Host a minimum of one branch activity per year to promote interaction between the Metropolitan Los Angeles Branch schools. These meetings should be more social in nature to allow members to meet and interact with students from the other MLAB schools.*

- Last year, we asked the MLAB YMF members to host a resume workshop at USC. We also hosted the LA Section Student Roundup, which was sponsored by YMF.

Societal Interaction

The stated goals for societal interaction are:

1. *Send the maximum number of students to the annual Workshop for Student Chapter Leaders. These students should all be undergraduates who intend to remain involved in USC ASCE through an executive board position. Within 2 years it shall be the goal of the organization to require all Presidents and Secretaries to have attended a Workshop for Student Chapter Leaders prior to their election to office.*

- We met this goal in 2013, as both our President and Secretary attended WSCL in January of the year prior to their term.

2. *Within 2 years, send a minimum of one organization representative to the national conference of the Society. Within a minimum of 5 years, provide and fund for a regular representative to attend each national conference of the Society.*

- This year USC ASCE budgeted for and sent 8 representatives to Charlotte, North Carolina to attend the ASCE National Conference. Please see the event write up section for a complete review of the trip. We were able to send these students using available university funds, which should enable us to send at least one student in the future as required by the strategic plan. Moreover, current executive board members are already planning on attending the 2014 conference in Panama City, Panama.

Internal Affairs

For internal affairs, goals were sub-divided into membership goals and social goals. The membership goals are:

1. *Increase membership to 75% of undergraduate class.*

- In the past, we have maintained about 20% of student members from the total class of civil engineers in Viterbi. However, we have not maintained a large enough amount of freshman in the past year. We have seen our freshman count decrease and as such we would like to increase freshman membership to a minimum of 50% of the incoming freshman class each year. In turn, we would like to maintain our upperclassmen members, so as to have a membership of 75% of the undergraduate class.

2. *Maintain and track graduating alumni, ASCE participation by class and annual retention rate.*

- Last year, the executive board retained 100% of its members. Our goal is to once again retain members, so as to retain interest and opportunities for all members in the chapter.

3. *Maintain annual records of hours spent for each member in ASCE activities.*

- USC ASCE has kept detailed records of our membership activities through the use of a shared Google spreadsheet that allows all of our executive board to verify the status of our members and their involvement hours. These records allow us to select representative members to attend workshops and conferences.

Conference Competition

Conference competition can be subdivided into several respective areas that are representative of the individual design competitions (i.e. concrete canoe, steel bridge, environmental). The goals for conference competition have been summarized as follows:

1. *Complete all travel arrangements (i.e. flights, hotel) and pay any necessary deposits prior to the University's Thanksgiving recess.*

- We researched travel arrangements and analyzed different alternatives, but we were unable to complete the arrangements because we did not have all of our members committed to attending PSWC yet.

2. *Assign captains to each non-qualifying conference event. Place in the top 5 for each event within 5 years.*

- We assigned captains to smaller events such as Quiz Bowl and Concrete Bowling to ensure greater involvement of underclassmen and more competitive teams. We hope to continue this trend for PSWC 2014. Our Environmental Design Team placed 1st in 2013, which we would like to extend to our other teams.

4. *Receive national bids for both Steel Bridge and Concrete Canoe within 5 years.*

- Concrete Canoe had a disappointing year due to lack of experience and funds. The canoe this year was able to be raced on all races, unlike last year. Our canoe did much better in general. Yet, we would like to make better changes to the canoe so as to place at least in the first half of all participating schools.
- Steel Bridge showed improvement at PSWC 2012 as well. Most of the bridge was completed in the spring semester; as such the team had less time to practice. Yet, the bridge team has continued to increase its size by hosting welding practices and design sessions throughout the fall.

5. *Win the conference title at the Pacific Southwest Regional Conference within 5 years.*

- Our goal is to make it into the top 5 overall at the Pacific South West Conference. We are going to reach this goal by practicing for each individual event before the competition to an extent that has never been done at USC. In previous years, students haven't even known what events they are participating in up until the week of the competition. We will inform our members since the beginning of the school year and hold practices throughout the year. With this, USC can move up in the final rankings of the competition.

Part III. Student Organization Membership and Meetings

This section includes the records relating to membership and meetings of the organization.

1. Membership

Is attendance at ASCE Student Organization meetings mandatory?	No
Society-Level ASCE Membership is	Voluntary
Total Number of Juniors & Seniors eligible to join ASCE (Number of Jr. & Sr. with CE declared major; average over the year)	82
Total Number of Juniors & Seniors in your ASCE Student Organization (Average over the year)	24
Number of members of your ASCE Student Organization (Average over the year)	60
Number of ASCE Student Organization members who are Society-level ASCE Student Members	23
Statistical Information: (Total Jr. & Sr. ASCE Student Organization Members) ÷ (Total Jrs. & Srs. Eligible)	0.29
(Total Society-level Student Members) ÷ (Total Local Student Members)	0.38

Note: Membership lists are in Attachment A

2. ASCE Student Organization Meetings

Meetings to which the general membership of the ASCE Student Organization is invited should be recorded here. All meetings reported in this section must be arranged and sponsored by the ASCE Student Organization. Include joint meetings, technical and professional meetings, field trips and social functions.

Activity Date	Activity Type (Use abbreviations below; list all that apply)	Program (Briefly describe program. Include name of speaker if applicable)	Attendance				
			Students	Faculty	Faculty Advisor	Practitioner Advisors	Other
1/17/13	OP	PSWC Info Meeting	8	0	0	0	0
1/21/13	OP	PSWC Info Meeting	10	0	0	0	0
1/22/13	OP	Weekly Officers Meeting	9	0	0	0	0
1/25/13- 1/26/13	PM	Workshop for Student Chapter Leaders	7	0	0	0	0
1/29/13	OP	Weekly Officers' Meeting	10	0	0	0	0
1/30/13	OP	Environmental Design Meeting	17	0	0	0	0
2/5/13	OP	Weekly Officers' Meeting	8	0	0	0	0
2/6/13	OP	Environmental Design Meeting	17	0	0	0	0
2/12/13	OP	Weekly Officers' Meeting	10	0	0	0	0
2/13/13	OP	Environmental Design Meeting	17	0	0	0	0
2/19/13	OP	Weekly Officers' Meeting	8	0	0	0	0
2/20/13	OP	Environmental Design Meeting	17	0	0	0	0
2/26/13	OP	Weekly Officers' Meeting	9	0	0	0	0
2/27/13	OP	Environmental Design Meeting	17	0	0	0	0
3/5/13	OP	Weekly Officers' Meeting	8	0	0	0	0
3/6/13	OP	Environmental Design Meeting	17	0	0	0	0
3/12/13	OP	Weekly Officers' Meeting	10	0	0	0	0
3/13/13	OP	Environmental Design Meeting	17	0	0	0	0

3/26/13	OP	Weekly Officers' Meeting	10	0	0	0	0
4/3/13- 4/6/13	PM,FT	PSWC	34	0	0	0	0
4/16/13	OP	Weekly Officers' Meeting	8	0	0	0	0
8/31/13	PM	Viterbi President's Council Retreat	8	0	0	0	0
9/1/13	SF	Officer Retreat	13	0	0	0	0
9/5/13	SF	First General Meeting	65	0	0	1	0
9/11/13	OP	Weekly Officers' Meeting	16	0	0	0	0
9/18/13	OP	Weekly Officers' Meeting	16	0	0	0	0
9/25/13	OP	Weekly Officers' Meeting	14	0	0	0	0
9/26/13	FT	Canoe Paddling Practice	11	0	0	0	0
9/26/13	PM	USC ASCE/USC ITE with Jessica Wethington McLean	37	0	0	0	0
9/27/13	OP	Concrete Canoe Weekly Meeting	21	0	0	0	0
9/28/13	FT	Vine Street Elementary	8	0	0	0	0
9/29/13	FT	Canoe Paddling Practice	6	0	0	0	0
10/2/13	OP	Weekly Officers' Meeting	15	0	0	0	0
10/4/13	OP	Concrete Canoe Weekly Meeting	20	0	0	0	0
10/6/13	FT	Canoe Paddling Practice	5	0	0	0	0
10/9/13	OP	Weekly Officers' Meeting	13	0	0	0	0
10/9/13- 10/12/13	PM	ASCE 143 rd Annual Civil Engineering Conference	8	0	0	0	0
10/11/13	OP	Concrete Canoe Weekly Meeting	18	0	0	0	0
10/13/13	FT	Canoe Paddling Practice	5	0	0	0	0
10/15/13	PM	Speaker Meeting with John Hogan, Hall and Foreman	22	0	0	0	0
10/16/13	OP	Weekly Officers' Meeting	15	0	0	0	0

10/18/13	OP	Concrete Canoe Weekly Meeting	21	0	0	0	0
10/18/13	PM	ASCE MLAB Annual Officer Installation	4	0	0	0	0
10/20/13	FT	Canoe Paddling Practice	8	0	0	0	0
10/23/13	OP	Weekly Officers' Meeting	16	0	0	0	0
10/25/13	OP	Concrete Canoe Weekly Meeting	20	0	0	0	0
10/27/13	FT	Canoe Paddling Practice	6	0	0	0	0
10/30/13	OP	Weekly Officers' Meeting	16	0	0	0	0
11/3/13	FT	Canoe Paddling Practice	8	0	0	0	0
11/6/13	OP	Weekly Officers' Meeting	14	0	0	0	0
11/9/13	FT	ASCE YMF Planting with City of Long Beach	2	0	0	0	4
11/7/13	PP	ASCE MLAB University Outreach Committee Student Round Up	36	0	0	0	5
11/13/13	OP	Weekly Officers' Meeting	15	0	0	0	0
11/14/13	PM	USC ASCE Resume Workshop with ASCE MLAB YMF	25	0	0	0	0
11/17/13	FT	Canoe Paddling Practice	6	0	0	0	0
11/21/13	SF	Environmental Design Team Ice-Cream Social	9	0	0	0	0
11/24/13	FT	Canoe Paddling Practice	6	0	0	0	0

Meeting

Abbreviation Statistical Information:

PM	Number of Professional Meetings (business & technical presentation):	7
PP	Number of student talks or Paper Presentations at ASCE Student Org. meetings:	0
PC	Number of meeting with Professional Conduct (Licensure/Ethics) programs:	0
FT	Number of ASCE Student Org. sponsored Field Trips:	11
SF	Number of ASCE Student Org. sponsored Social Functions:	3
OP	Number of Officers' or Planning Meetings	34

Statistical Information

Average attendance at 10 most populated ASCE Student Org. meetings: (if fewer than 10 meetings were held, average all meetings)	22.2
(Average attendance) ÷ (Total student ASCE Student Org. members) =	0.50

3. ASCE Section/Branch and other Professional Meetings

Date, location, and other information below for any meetings sponsored by the ASCE Section, Branch, or Society-level (i.e., National) that members of the ASCE Student Organization attended this calendar year. Also, list of technical group meetings or meetings of other professional organizations attended by members of your organization.

Statistical Information

Did your ASCE Student Org. host at least one ASCE Section/Branch/Technical group meeting?	No
Total number of students who attended ASCE Section/Branch/Technical group meetings	6

Date	Location	Name of Event	# of USC ASCE members	# of ASCE members
6/20/13	Treetops Restaurant, 3737 Manoa Rd Honolulu, HI 96822	ASCE Hawaii Section Dinner: Honolulu Board of Water Supply Water Master Plan and Capital Improvement Plan	1	50
10/10/13- 10/12/13	Charlotte Convention Center, 501 S College St Charlotte, NC 28202	ASCE National Conference	8	Hundreds

Part IV. Student Organization Activities

1. Participation in Student Conference & WSCL

a. Did your ASCE Student Organization attend a Student Conference during the year? Yes

Number of representatives attending: 47

Name of Conference: Pacific Southwest Conference

Location: Los Angeles, CA

Dates: April 3, 2013 – April 6, 2013

Did your ASCE Student Organization host or co-host this Student Conference? Yes

See attached "Special Project Report"

b. Did your ASCE Student Organization attend a Workshop for Student Chapter Leaders (WSCL) during the year? Yes

Number of representatives attending:

Students: 7

Advisors (Faculty and/or Practitioners): 0

Location: Sacramento, CA

Dates: January 25, 2013 – January 26, 2013

2. ASCE Student Chapter Newsletter & On-Line Presence

a. Does the ASCE Student Chapter prepare its own newsletter? Yes

Number of issues during Annual Report year: 18

Are copies regularly distributed to the following?

Alumni: No

Practitioner Advisor(s): Yes

Section/Branch President: No

Regional Governor: No

ASCE Headquarters: No

b. Does the ASCE Student Chapter maintain an up-to-date on-line presence (i.e. website, social media, etc.)? (Address must be listed on page 1 of the Annual Report) Yes

3. Presentations Outside of the ASCE Student Organization

a. Did any student members of your organization make presentations outside of your ASCE Student Organization? Yes

Number of presentations made: 1

Date	Student Presenter(s)	Presentation Title	Event Sponsor	Location
8/29/13	Rosa Lau Elise Takebayashi	Leadership Funding Request for ASCE National Conference	USC Undergraduate Student Government	TCC 244

4. Participation in ASCE Student MEAD Paper Competition

Did a member of your ASCE Student Organization submit a paper to the National Daniel W. Mead Student Paper Contest during the year of this report? Yes

Name: Mackenzie Allen

Title: Competences versus Credentials

5. Participation in ASCE Society-Level Civil Engineering Event

Was your ASCE Student Organization represented at any ASCE Society-Level (i.e, National) Event? Yes

Event Name: ASCE 143rd Annual Civil Engineering Conference

Location: Charlotte, NC

Dates: October 9, 2013 to October 12, 2013

Number of Representatives: 8 Student(s)
0 Advisors (Faculty and/or Practitioner)

6. Collaboration with Other Student Organizations

Has your ASCE Student Organization collaborated with other student organizations on your campus in the last 12 months? Yes

7. Practitioner & Faculty Advisor Training Workshop

a. Did your Faculty Advisor attend the Practitioner & Faculty Advisor Training Workshop (this year or in the past)? Yes

Date: 2011

b. Did one of your Practitioner Advisors attend the Practitioner & Faculty Advisor Training Workshop (this year or in the past)? Yes

Date: 2005

Attachment A: Membership Lists

Local Student Organization Membership List

Name	Member Position	Email Address	Expected Graduation
Elise Takebayashi	President	takebaya@usc.edu	May 2014
Rosa Lau	Vice President	rosalau@usc.edu	May 2014
Jake Hermle	Canoe Co-Captain	hermle@usc.edu	May 2014
Naren Sahai	PSWC Chair	nsahai@usc.edu	May 2014
Fausto Hernandez	General Member	faustohe@usc.edu	May 2015
Winston van Keulen	Bridge Co-Captain	wvankeul@usc.edu	May 2015
Davi Corcio-Alvarez	Secretary	corcioal@usc.edu	May 2014
Evan Rosca	Treasurer	erosca@usc.edu	May 2015
Vincent Nguyen	Fundraising Chair	vincenkn@usc.edu	May 2015
Jessica Maass	General Member	maass@usc.edu	May 2016
Tri Pham	General Member	tripham@usc.edu	June 2016
Noah Cherner	General Member	cherner@usc.edu	May 2016
Kelvin Vasquez	General Member	kavasque@usc.edu	May 2015
Avery McEcoy	General Member	mcevoy@usc.edu	May 2017
Ethan Davidson	General Member	eddavids@usc.edu	May 2016
Nick Halsey	General Member	nhalsey@usc.edu	May 2016
Alex Nothagel	General Member	anothnag@usc.edu	Dec 2013
Lucy Egbe	General Member	legbe@usc.edu	May 2016
Nathan Ho	General Member	bathanh@usc.edu	Dec 2014
Silvia Tran	General Member	sylviatr@usc.edu	May 2015
Kenya Collins	General Member	kicollin@usc.edu	May 2016
Tyler Pullen	General Member	tpullen@usc.edu	May 2016
Miles Jensen	General Member	milesjen@usc.edu	May 2017
Koyo Kim	General Member	koyokim@usc.edu	May 2016
Khalil Fair	General Member	kfair@usc.edu	May 2016
Jason Loui	General Member	jloui@usc.edu	May 2017
Yong Wan Kim	General Member	yongwank@usc.edu	May 2013

Yanwen Cai	General Member	yanwenca@usc.edu	May 2016
Thomas Palmieri	General Member	tpalmier@usc.edu	May 2014
Danielle Thomas	General Member	dethomas@usc.edu	May 2017
Sebastian Potes	General Member	spotes@usc.edu	May 2015
Aaron Van Landingham	General Member	vanlandi@usc.edu	May 2017
Christina Nour	General Member	cnour@usc.edu	May 2016
Tedman Tran	Envi. Co-Captain	cnour@usc.edu	May 2015
Yujung Lai	General Member	yujungla@usc.edu	May 2017
Daisy Benitez	General Member	dibenite@usc.edu	May 2017
Christan Tellez	General Member	cmtellez@usc.edu	May 2017
Alejandra Lizarzaburu	General Member	alizarza@usc.edu	May 2016
Rachel Gaspar	General Member	gaspar@usc.edu	May 2017
Vidal Larious	General Member	vlarios@usc.edu	May 2016
Allison Wheeler	Social Chair	awheeler@usc.edu	May 2014
Luyue Zhang	General Member	luyuezha@usc.edu	May 2015
Karina Schulz	General Member	kschulz@usc.edu	May 2017
Daphne Lughes	General Member	lughes@usc.edu	May 2016
Jenny Hong	General Member	jennyhon@usc.edu	May 2016
Jae Park	General Member	jaep@usc.edu	May 2016
June Chew	General Member	junechew@usc.edu	May 2017
Nhu Nguyen	General Member	nqnguyen@usc.edu	May 2016
Arleth Meza	General Member	arlethme@usc.edu	May 2014
Robert Sanchez	General Member	sanc686@usc.edu	May 2016
Allison Tsau	General Member	atsau@usc.edu	May 2016
Elizabeth Gu	General Member	elizablg@usc.edu	May 2017
Lauren Tiedemann	Envi Co-Captain	ltiedema@usc.edu	May 2014
Jennifer Vides	General Member	vides@usc.edu	May 2014
Janet Perez	General Member	janetcpe@usc.edu	May 2014

Society Level Membership List

Name	National ID	Email	Expected Graduation
Elise Takebayashi	9137582	takebay@usc.edu	Dec 2014
Winston van Keulen	9140038	wvankeul@usc.edu	May 2015
Jessica Maass	9517072	maass@usc.edu	May 2016
Ethan Davidson	9688461	eddavids@usc.edu	May 2015
Kelly Lynch	9698615	kellylyn@usc.edu	May 2016
Rosa Lau	995179	rosalau@usc.edu	Dec 2014
Nathan Ho	9782634	nathanh@usc.edu	May 2015
Tyler Pullen	9433987	tpullen@usc.edu	May 2016
Allison Wheeler	9516584	awheeler@usc.edu	May 2014
Vincent Nguyen	9513891	Vincekn@usc.edu	May 2015
Sylvia Tran	9782662	sylviatr@usc.edu	May 2015
Allison Tsau	9519560	atsau@usc.edu	May 2016
Sian Alam	984902	sianalam@usc.edu	May 2014
Davi Corcio-Alvarez	9141385	corcioal@usc.edu	May 2014
Jake Hermle	1015692	hermle@usc.edu	May 2014
Joshua Hung	9125671	joshuahu@usc.edu	May 2013
Evan Rosca	9379224	erosca@usc.edu	May 2015
Erin Yamashita	9505573	emvamash@usc.edu	May 2016
Lauren Tiedemann	9572298	ltiedema@usc.edu	May 2014
Tedman Tran	9113956	tedmantr@usc.edu	May 2015
Daphne Lughes	9415551	lughes@usc.edu	May 2016
Kenya Collins	9754143	kicollin@usc.edu	May 2016
Daniel Huang	9115582	huangdan@usc.edu	May 2015
Rana Sadat Kashani	9822862	sadatkas@usc.edu	May 2016
Alejandra Lizarzburu	9804732	alizarza@usc.edu	May 2016
Naren Sahai	1021131	nsahai@usc.edu	May 2014

Attachment B: Sample Meeting Announcements, Programs, Agendas

Sample Event Flyer



Environmental Design Team Ice Cream Social

Date: Monday, 11/25

Time: 5:15pm

Location: Outside KAP

The Environmental Design Team will be hosting an **Ice Cream Social** on Monday 11/25 at 5:15 PM outside of KAP. **Everyone in ASCE**, especially those interested in the Environmental Design Team, is welcome to come! Eat ice cream and socialize with other ASCE members before Conquest! Please **RSVP** if you are interested in going.

If you are interested in joining the Environmental Team's mailing list, please email water@uscasce.com.

Sample Recruiting Brochure



USC ASCE

American Society of Civil Engineers Student Chapter at the University of Southern California



USC ASCE

USC ASCE is a student-run organization that enriches the lives of students through social events, community service, industry interaction, and engineering competitions.

We provide the connection between USC and ASCE and the professional experience.

Our biggest projects are for the Pacific Southwest Conference; each year we design and build a **concrete canoe, steel bridge, and more.**

Learn More & Get Involved

<http://uscasce.com/>

uscasce@usc.edu

USC
Viterbi
School of Engineering



Sample Meeting Announcement Email



General Meeting and YMF Student Roundup

Date: Thursday, 11/7/14

Time: 5:30pm (GM), 6:30pm (SR)

Location: THH 214 (GM), KAP 146 (SR)

[RSVP Here](#)

Our next **general meeting** will be on **Thursday, 11/7, at 5:30pm in THH 214**. We will be reviewing past and future events, bringing updates from our design teams, including information about **Environmental** and **Geotech's** first meetings and the official announcements of the **canoe and bridge themes**, introducing our special visitor Phil, and looking ahead to upcoming events.

Immediately after our meeting, at 6:30, we're hosting the **ASCE Metropolitan Los Angeles Branch (MLAB) Younger Members Forum (YMF) Student Roundup in KAP 146**. Other universities will be sending students to USC to give updates on their student chapters. Since we are the hosts, it would be awesome for us to have lots of representation! It will also be a great opportunity to meet other ASCE students and professionals!

Free Pasta Roma if you RSVP!

Attachment C: Sample Newsletter and Online Presence

Excerpts from Standard Newsletter



USC American Society of Civil Engineers Student Chapter

Hi ,

Concrete Canoe is ramping up, with five sub-teams holding their first meetings, including the first paddling practice this Sunday. Want to get involved? Unsure which sub-team is for you? Check out the full schedule and details below!

Steel Bridge will be next Wednesday (10/2) 5-5:30pm and Friday (10/4) 12-12:30pm, and we will be discussing our **bridge design**. Please come with any questions or ideas you may have.

If you're interested in any of our design teams (including Environmental and Geotech, which start next semester), [sign up for their mailing lists here](#) to get updates.

We're holding our next general body event next week: a **USC ASCE barbecue!** Save the date for Friday, October 4th, 3-5pm at McCarthy Quad for free food, fun,



Steel Bridge Updates

Thank you for everyone who came out to our informational meetings last week, it was great to see all of your interests in helping out with this years steel bridge. In our first session we went of measuring, cutting, and grinding and in the second session we went over welding. We will continue throughout the year to work on our skills so don't worry if you felt like you didn't master it the first time.

Our next meeting time will be **next Wednesday (10/2) 5-5:30pm and Friday (10/4) 12-12:30pm**, and we will be discussing our **bridge design**. Please come with any questions or ideas you may have. Or if you wanted to practice or didn't come to the information sessions, we will be having brief sessions afterwards to practice and be accustomed to the machines. Hope to see you then.

If you're interested in getting involved with steel bridge, email us at steelbridge@uscasce.com and we'll add you to the bridge mailing list.

Other Opportunities

ASCE Los Angeles Section Annual Meeting & Luncheon

Remember our explanation of the geographical hierarchy of ASCE from our first meeting? The **Los Angeles Section** (of ASCE's Region 9 - California) is holding its *Annual Meeting, Installation of Officers and Awards Luncheon* Saturday, October 5, 2013 from 11:00 AM to 2:00 PM in Irvine, CA (we can drive 3 more people). Please note that there is a cost associated with this event. Email Elise at takebaya@uscasce.com if you're interested.



Registration Deadline: Monday, September 30, 2013

Scholarships at AWWA

The American Water Works Association supports students through discounted memberships and more than 14 scholarships, ranging from \$5,000 to \$25,000 annually. For undergrads and grads pursuing anything in the (drinking) water industry; more details on their website: <http://www.awwa.org/membership/get-involved/student-center/awwa-scholarships.aspx>.

Application Deadline: Jan. 6, 2014

AGC Scholarship

Students in ABET or ACCE-accredited civil engineering or construction management programs are eligible for \$2,500 scholarships, renewable for up to



About

Big Buddies

Pacific Southwest
Conference

Concrete Canoe

Steel Bridge

Environmental

Membership

Calendar

Contact

Partner Organizations

Officer Resources

Site Home

The American Society of Civil Engineers Student Chapter at The University of Southern California

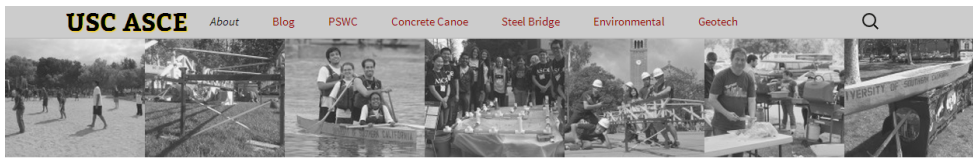
ANNOUNCEMENTS:

Welcome back to one of the most awesome ASCE student chapters in LA! We hope you have enjoyed our events so far throughout the semester, we still have many more to come!

Membership forms for 2011-12 are now available! Click the link on the sidebar for more information.

- You can now follow us on Twitter! <http://twitter.com/uscasce>
- You can also now join us on Facebook www.facebook.com/index.php
- Check out ASCE national news and updates at <http://www.asce.org/>
- The 5-Year Strategic Plan for USC ASCE has been published! [Please click here to read the 5-Year Strategic Plan.](#)
- Congratulations to our past PSWC teams from 2010-11 for their great performance in Vegas and Los Angeles!! [Click here to see pictures from the events.](#)
- The 2009 Report Card for America's Infrastructure has been released. [Find the Report and Suggestions for Improvement Here.](#)

Website Homepage, March 2013



American Society of Civil Engineers Student Chapter at the University of Southern California



Check Out Our Blog to see what we're up to »

Recent Posts:

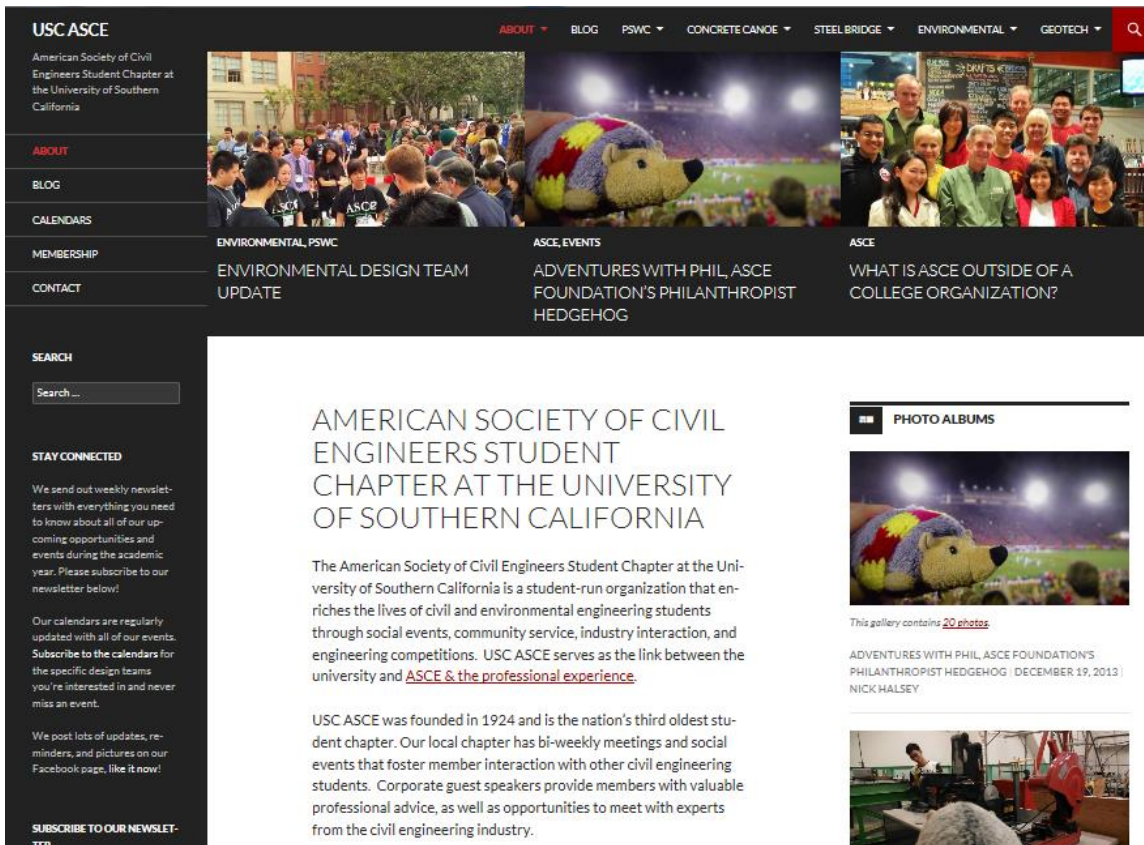
- Adventures with Phil, ASCE Foundation's Philanthropist Hedgehog
- Private: ViterbiConnect Blog Post

The American Society of Civil Engineers Student Chapter at the University of Southern California is a student-run organization that enriches the lives of civil and environmental engineering students through social events, community service, industry interaction, and engineering competitions. USC ASCE serves as the link between the university and ASCE & the professional experience.

USC ASCE was founded in 1924 and is the nation's third oldest student chapter. Our local chapter has bi-weekly meetings and social events that foster member interaction with other civil engineering students. Corporate guest speakers provide members with valuable professional advice, as well as opportunities to meet with experts from the civil engineering industry.

During the annual Pacific South West Conference (PSWC), students compete in a variety of

Website Screenshots, December 2013



USC ASCE

American Society of Civil Engineers Student Chapter at the University of Southern California

ABOUT | BLOG | PSWC | CONCRETE CANOE | STEEL BRIDGE | ENVIRONMENTAL | GEOTECH

ABOUT
BLOG
CALENDARS
MEMBERSHIP
CONTACT

SEARCH


Search...

STAY CONNECTED

We send out weekly newsletters with everything you need to know about all of our upcoming opportunities and events during the academic year. Please subscribe to our newsletter below!


Our calendars are regularly updated with all of our events. Subscribe to the calendars for the specific design teams you're interested in and never miss an event.

We post lots of updates, reminders, and pictures on our Facebook page, like it now!



CONCRETE CANOE


The ASCE Concrete Canoe Competition tasks teams at universities around the country to design, build, and race a canoe made out of reinforced concrete. What makes this competition unique is the combination of skills and disciplines



Like ASCE USC Viterbi

Concrete Canoe Team Showcase Website/Archive

USC Concrete Canoe Team









2013: SC Traveler

USC's 2013 canoe is themed in honor of USC, since we're co-hosting PSWC.



- Design Paper
- Presentation Slides
- Display Board
- PSWC Results

Share      

Attachment D: Summary and Highlights of Meetings and Activities

Sample Agenda

Meeting 1 - 8/28/13, 9:15 pm

KAP 164

- Start
- E-Board Group Picture (next week)
- ASCE National Conference (Oct 9-12)
- First GM - Sept. 5
- Oct speaker - 10/14 or **15?**
- PSWC Info Sessions
 - Th 9/12, 5:30-6:30 (2 sessions)
 - Fri 9/13, 12-12:30
- Pitch ASCE in own classes (coordinate if multiple sections)
- Talking to Nora on Fri
- Joint Consulting Mtg with IEEE
- Communication - P2
- New Ideas
 - Incorporate scholarship announcements in newsletter as well as send to Emily
 - Fact about ASCE every meeting/every newsletter
 - Point system to encourage participation?
 - Are people interested in scheduling a field trip? - yes
- VP
 - Community Service (Vine Street Elementary 9/28/13-Saturday 9-3)
- Secretary
- Treasurer
- Sponsorship/Funding
- Membership
 - Big Buddy Program
 - Recruiting
- Social
- Historian
- PSWC
- Design Teams
 - Design Team Funding Proposals
- Announcements
 - Next Mtg: Sept. 4
 - 1st GM: Sept. 5
 - 2nd GM: Sept. 16
 - Check and respond to email and P2

ASCE E-Board Meeting Minutes - August 28, 2013

Meeting Commences at 9:15 pm

- ASCE national conference Oct 9-12
- PSWC info session 9/12 at 5:30 – 6, 6-6:30 and 9/13 at 12-12:30
 - Need representation from every design team
- Communication amongst each other in e-board: P2. Use it!
- New ideas – incorporating scholarship announcements in newsletters
 - Also include a fact about ASCE or civil engineering
- First GM 9/5/13 5-6:30 pm at KAP
 - Build something? Compete to build tower out of paper?
 - Food for 60 people
 - Check out laptops to have for people to sign up online – will let us know how many will need
- Incentives for participation: meetings at least one every two weeks, set meeting times for like twice a week, email and Facebook.
 - Design team meetings can also post on Facebook.

Community service 9/28

- Garden build like 20 min away driving – non football home game day
- Social events
 - Sunday Sept 1, 2013 at noon for E-Board retreat at Santa Monica
 - Have events for big buddies and little buddies
 - Invite the little buddies not just for one on one events
- Promote ASCE in the classrooms
 - CE 110 Wed 1:40 pm – Rosa is going
 - CE 205 Mon/Wed 10-11 am – Jake is going
- Speaker Oct 15, Tuesday: hall and foreman, no set time yet
- Event planning guide was made by Elise – post on the p2

End Meeting at 10:20 pm

ASCE WSCL

DATE: January 25, 2013- January 26, 2013

LOCATION: Sacramento, CA

ATTENDEES: BOARD MEMBERS: 4

MEMBERS: 3 TOTAL: 7



DESCRIPTION OF EVENT/PURPOSE:

The Workshop for Student Chapter Leaders (WSCL) is a training session for new student officers, sponsored by the Committee on Student Members (CSM) - the national committee that oversees all ASCE Student Organization activities. WSCL was held in conjunction with the Workshop for Section and Branch Leaders (WSBL) and the Younger Member Council Meeting (YMC).

SUCSESSES/PROBLEMS:

The students who attended were able to learn more about ASCE as a society and how to be an effective leader in leading the student organization at school. Five of the members who attended are now eboard members for the 2013-2014 school year.

PREPARATIONS:

- Book hotel room
- Organize rides
- Complete waivers
- Prepare poster showcasing our student chapter

BUDGET:

ASCE Covered Relevant Expenses

Environmental Design Meetings

DATE: Every Wednesday, January—April 2013

LOCATION: Kaprielian Hall

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 15 TOTAL: 17



DESCRIPTION OF EVENT/PURPOSE:

Our task was to design and build a municipal sewer system for a small community for the Environmental Design Competition at the Pacific Southwest Conference. Starting in January, we had weekly meetings with our members to design and test our model system. We had a great turnout this year with over 17 members who helped with the construction and design of the “sewer system.”

SUCSESSES/PROBLEMS:

- Consistent amount of team members attending weekly meeting.
- Team members were always enthusiastic and on task when coming to design team meetings.
- Design completed on schedule.

SPEAKER/SPEAKER CONTACT INFO:

Rosa Lau, Team Co-Captain 2012-2013

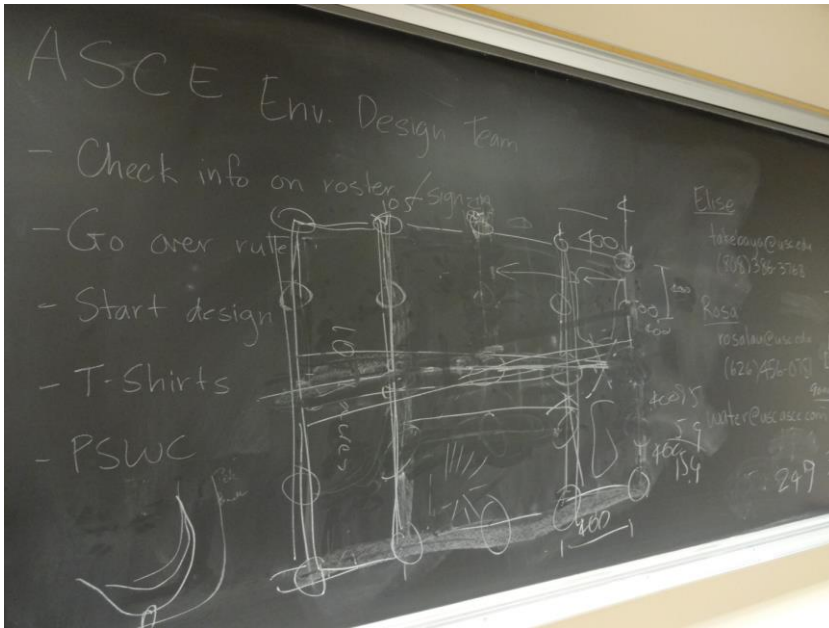
Elise Takebayashi, Team Co-Captain 2012-2013

PREPARATIONS:

- Purchased supplies for construction of our model system
- Sent out weekly update emails to all team members
- Prepared spreadsheet to conduct calculations

TEAM ROSTER:

First Name	Last Name	USC ID Number
Nicole	Aeina	4305084904
Mackenzie	Allen	9957938581
Aja	Canyon	7318996387
Gabriela	Chiriboga	3574188075
Pete	Grasso	3450869992
Joshua	Hung	5025850663
Rosa	Lau	4119631936
Roberta	Lau	5807961811
Kyleen	Marcella	
Evan	Rosca	3803582885
Naren	Sahai	7292892309
Danielle	Salah	6449580329
Elise	Takebayashi	1793917792
Lauren	Tiedemann	4623780733
Tedman	Tran	7549348553
Allison	Wheeler	7164610301
Jenny	Yu	5396521364



ASCE 2013 Environmental Design Team First Meeting

PSWC Environmental Design Competition

DATE: April 4, 2013

LOCATION: USC Pardee Plaza

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 3 TOTAL: 5



DESCRIPTION OF EVENT/PURPOSE:

The purpose of our competition was to design and build a sewer system for a small community using the given design criteria and plan view of the “community.” We were competing against 17 other schools from all around Southern California, Arizona, and Hawaii.

SUCSESSES/PROBLEMS:

This year’s Environmental Design Team placed 1st amongst 17 other schools at ASCE PSWC 2013, hosted by the University of Southern California. Starting in January, we had weekly meetings with our members to design and test our model system. We had a great turnout this year with over 16 members who helped with the construction and design of the “sewer system.” The competing participants were Rosa Lau, Elise Takebayashi, Joshua Hung, Evan Rosca, and Tedman Tran.

Designing the system for this small community helped reinforce the concepts we learned in class. We were able to use trial-and-error in conjunction with our theoretical calculations to visualize the flows in different pipe sizes and the effects of viscosity. Being a part of this design team has also allowed all of our members to meet other students with similar career goals. On the day of competition, we were given the opportunity to learn from other students’ designs from other schools and to prepare for our competition next year.

One challenge that we encountered was ordering the right specialty fittings for our system. Many vendors did not carry the fittings in the size that we needed, and it took several weeks to get the correct parts that would allow flow through all four directions. Despite this fact, we were able to complete our system and bring back the gold for our team. We have been keeping extensive records to help next year's team set up the budget and help them overcome any obstacles they may face. We hope to become the first USC ASCE team to place two years in a row.

Speaker/Speaker Contact Info:

Rosa Lau, Team Co-Captain 2012-2013


Elise Takebayashi, Team Co-Captain 2012-2013

PREPARATIONS:

- Held weekly meetings to prepare for the competition.
- Purchased supplies to build our final design
- Prepared presentation and poster board to present during competition.

Competing Members:

Name	USC ID Number
Joshua Hung	5025850663
Rosa Lau	4119631936
Evan Rosca	3803582885
Elise Takebayashi	1793917792
Tedman Tran	7549348553



USC-ASCE Environmental Design Project

By: Joshua Hung, Rosa Lau, Evan Rosca, Elise Takebayashi, Tedman Tran

Problem Statement

Proper sewage treatment is an integral and un-compromisable part of every community. Sewer systems are designed to collect sewage through a system of pipes and pump stations. We have been given the task to design a sewer system for the Fruitsville community, which is to be linked to existing sewers.

Our sewer system needs to fulfill all of the given requirements. First, we have to decide the pipe diameter and slope across the system in order to achieve the proper flow. At peak flow, pipe diameters must be at depth 50% full. Our system should be well prepared for any incidents, so redundancy is essential. We included three flow splits to have the necessary redundancy. Lastly, maintenance holes will be placed at every intersection, and will be less than 500 feet apart.

Elevations, Inverts & Initial Slopes

Ground elevations were given according to the plan view. For invert elevations, given manhole W and Y were 621 and 624.08 feet, respectively, the slope between W and Y is 0.0383/ft. All pipe length between manholes is estimated as 400 ft

Elevation Calculations

Area	Acreage	Population	Pop Calc (ft ³ /sec)	Commercial (sqft)	Com Calc (ft ³ /sec)	Total (ft ³ /sec)	Total (ft ³ /sec) for full flow 50% for peak
Z	3.4	195	0.0124863		0.0000000	0.0124863	0.0124863
Y	2.8	172	0.0108113		0.0000000	0.0108113	0.0108113
X	5.3	290	0.0205015		0.0000000	0.0205015	0.0205015
W	4.2	185	0.0190125		0.0000000	0.0190125	0.0190125
V	4.2	200	0.020211	13260	0.0016414	0.0218525	0.0218525
U	5.2	0	0	300000	0.0243724	0.0243724	0.0243724
T	5.2	0	0	300000	0.0243724	0.0243724	0.0243724
S	5.8	170	0.0107285		0.0000000	0.0107285	0.0107285

Calculations

Pipe Start	Pipe End	Total Q (ft ³ /sec)	slope (ft)	Manning Solve for n (ft)	Manning Solve for r (ft)	Commercial diameter (in)	Commercial Pipe (in)	Scour rate (ft/sec)
E	O	1.07	0.000395	0.43	5.12	10.24	12	2.0
O	Z	1.69	0.000395	0.43	5.18	10.36	12	2.1
Z	Y	1.69	0.000395	0.43	5.18	10.36	12	2.1
Y	V	1.71	0.000395	0.44	5.29	10.57	12	2.2
V	Z	1.96	0.000395	0.46	5.57	11.14	12	2.5
D	N	0.49	0.0045	0.25	2.97	5.95	6	2.0
C	M	0.39	0.0045	0.25	2.84	5.69	6	2.0
B	K	0.14	0.0049	0.17	1.98	3.95	4	2.0
K	V	0.21	0.001	0.17	1.99	3.99	4	2.5
A	I	0.07	0.002	0.19	1.14	2.28	3	2.0
O	N	1.09	0.000395	0.43	5.15	10.29	12	2.0
N	M	0.42	0.002	0.19	2.29	4.59	6	2.1
M	K	0.81	0.000395	0.33	3.99	7.98	8	2.3
K	I	0.81	0.000395	0.33	3.99	7.98	8	2.3
T	Q	0.80	0.000395	0.33	3.97	7.94	8	2.3
N	T	1.59	0.000395	0.43	5.15	10.29	12	2.0
T	Y	0.82	0.004	0.33	3.98	7.96	8	2.3
P	S	0.08	0.002	0.19	1.21	2.42	3	2.0

Manning's Equation

Where:
 Q = flow in the pipe
 r = radius;
 S = slope;
 A = area
 R = hydraulic radius = area/wetted perimeter

Assumptions:
 N = 0.012 for concrete finished pipe

Manning's Equation

Assuming Q is running at full capacity (100%)


$$Q = \frac{1.486}{n} A * R^{\frac{2}{3}} * S^{\frac{1}{2}}$$

Assuming Q is running at full capacity (100%), the equation is reduced to

$$Q = \frac{1.486}{n} * A * \left(\frac{r}{2}\right)^{\frac{2}{3}} * S^{\frac{1}{2}}$$

Which can be simplified to

$$r = \left(\frac{2}{3}\right)^{\frac{3}{2}} \frac{Qn}{\sqrt{1.486\pi 0.5^{\frac{2}{3}} * S^{\frac{1}{2}}}}$$



USC Viterbi
 Sony Atani Department of Civil and Environmental Engineering
 3620 S. Vermont Avenue, KAP 210
 Los Angeles, CA 90089-2531
 Phone: 213-740-0603
 Fax: 213-740-0897
 E-mail: water@uscce.com

Figure 1: ASCE Environmental Design Team Presentation Poster- Front

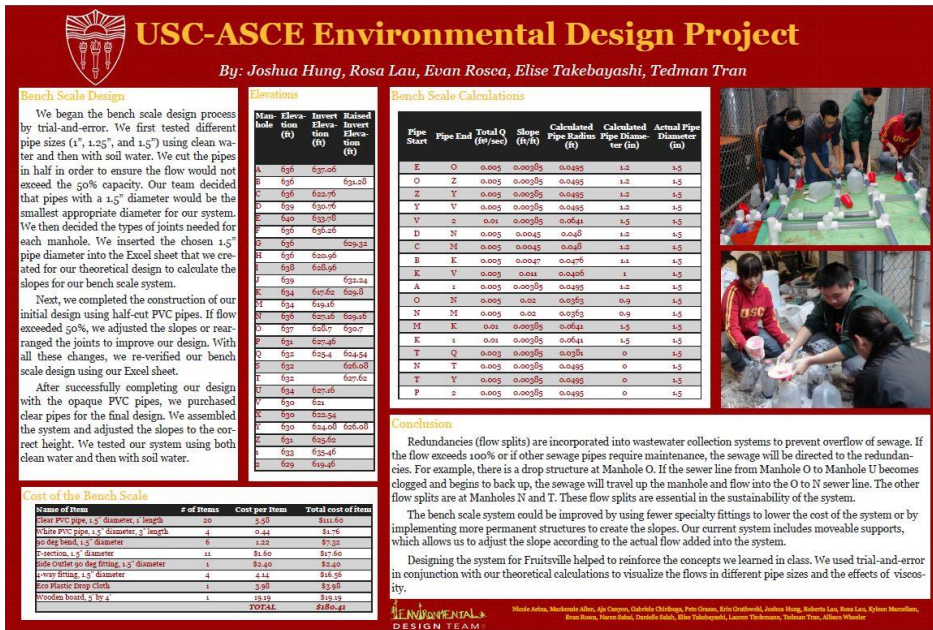


Figure 2: ASCE Environmental Design Team Presentation Poster- Back

Competing in PSWC 4/4 – 4/6/-2013

DATE: April 4 to April 6, 2013

LOCATION: USC Campus and Santa Fe Dam

ATTENDEES: BOARD MEMBERS: 10

MEMBERS: 37 TOTAL: 47



DESCRIPTION OF EVENT/PURPOSE:

PSWC was an exciting time despite the stressful environment of hosting an event. Our design teams competed with a lot of heart and pride in their work. The highlight of the event was the environmental team taking home first place. Everyone still managed to have fun and make multiple connections with other students across the conference. Most importantly, many of the freshman and sophomores had a great experience and were motivated to become more involved for the next competition.

SUCSESSES/PROBLEMS:

Because we hosted the event many would be supporters were off helping run other events, often leaving the design teams with a small crowd of supporters. This coming competition we look forward to supporting our teams in full force.

PREPARATIONS:

- Organizing design teams
- Balancing set up and competition

Viterbi Presidents' Council Retreat

DATE: August 31, 2013

LOCATION: USC Ronald Tutor Hall

ATTENDEES: BOARD MEMBERS: 8

MEMBERS: 0 TOTAL: 8



DESCRIPTION OF EVENT/PURPOSE:

Eight of our E-board members attended the Viterbi Presidents' Council Retreat on August 31, 2013. This retreat was organized by the KIUEL (Klein Institute for Undergraduate Engineering Life) Programming Committee. We were able to learn about Viterbi School of Engineering's resources and strategies to help us fund, plan, and market our events. We were also given the opportunity to earn extra funding for our student chapter by participating in the "Amazing Race". After the retreat, a few of our members were also able to attend the social event, a visit to the Grammy Museum.

SUCCESSSES/PROBLEMS:

This event was quite successful as many of our e-board members were able to attend the event. We were able to learn about all the resources that are available to make our events successful. It was an event that was fun and informative. We were also able to learn from other student organizations within our engineering school regarding their events, successes, failures, and how they function as a student organization. Taking all that we learned from the retreat, we were able to share it with all of our other e-board members to better plan our events for the 2013-2014 school year.

PREPARATIONS:

Sign up our e-board members to participate in the retreat

Officer Retreat

DATE: September 1, 2013

LOCATION: Officer's house

ATTENDEES: BOARD MEMBERS: 13

MEMBERS: 0 TOTAL:13



DESCRIPTION OF EVENT/PURPOSE:

This event was a bonding event for E-board. It was a nice relaxing day by the pool, with food and cold drinks.

SUCSESSES/PROBLEMS:

It was a great success as 13 out of 16 officers were able to attend. We were able to discuss our goals for the school year as well as learn more about each other.

Preparations:

- Organize rides
- Purchase food and drinks

Budget:

\$50 for food and drinks

USC ASCE 1st General Meeting

DATE: September 5 2013

LOCATION: KAP 158

ATTENDEES: BOARD MEMBERS: 16

MEMBERS: 49 TOTAL: 65



DESCRIPTION OF EVENT/PURPOSE:

As the first ASCE USC student chapter meeting, members learned the benefits of joining ASCE, such as networking, speaker events, national conferences, Pacific Southwest Conference, and camaraderie. The main objective was to initiate communication between new incoming members and the USC ASCE student chapter.

SUCSESSES/PROBLEMS:

The student outcome was amazing and impressive compared to past years. An issue was room size.

PREPARATIONS:

Applied to Viterbi Funding Board for funding and purchasing

BUDGET:

\$178.97; Actual Cost: \$167.29

Concrete Canoe Weekly Paddling Practice

DATE: 9/29/13, 10/6/13, 10/13/13, 10/20/13, 10/27/13, 11/3/13, 11/17/13, 11/24/13

LOCATION: Kaprielian Hall, USC Campus & Newport Aquatic Center, Newport Beach, CA.

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 3-8 (varying)

TOTAL: 5-11 (varying)



DESCRIPTION OF EVENT/PURPOSE:

The paddling team for the USC concrete canoe team gathered in front of Kaprielian Hall on the USC campus at 9:30AM every Sunday during the fall semester. Members car-pooled to the Newport Aquatic Center in Newport Beach, CA, where members practiced paddling techniques in the Newport Bay. After finishing practice at around noon, the team would go out to lunch together.

SUCSESSES/PROBLEMS:

Motivating college students to wake up at 9AM on a Sunday morning can be a difficult task. Attendance usually increased when captains made a particular week's practice mandatory.

PREPARATIONS:

- Pack paddles and lifejackets in drivers' vehicles.
- Collect release forms from paddlers.

BUDGET: \$0.00

Concrete Canoe General Meeting/Information Session

DATE: September 19, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 25 TOTAL: 28



DESCRIPTION OF EVENT/PURPOSE:

The purpose of this meeting was to welcome returning members and introduce new members to the concrete canoe competition. Captains Jake Hermle and Sian Alam explained the basic process of how a concrete canoe is made, then discussed how the competition is scored and the work that goes into each scoring category. Members were briefed on the new organizational structure of the team and how meetings would be structured. After the informational portion of the meeting was finished, team members were toured through the concrete canoe lab space.

SUCCESSSES/PROBLEMS:

The amount of information conveyed in the meeting might have been too much for new members to digest and understand in one sitting.

PREPARATIONS:

- Create an agenda of important talking points and information that members need to know
- Developed a slide show with effective visuals

BUDGET: \$0.00

USC ASCE/USC ITE 1st with Jessica Wethington McLean

DATE: September 26, 2013

LOCATION: KAP 147

ATTENDEES: BOARD MEMBERS: 13

MEMBERS: 24 TOTAL: 37



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE & USC ITE welcomed Jessica Wethington McLean, Executive Director of Los Angeles City Councilmember José Huizar’s Bringing Back Broadway initiative on September 16, 2013 for our first speaker meeting. During the presentation, Jessica touched on several points regarding the project. She discussed the progress and milestones of the project which launched in 2008. We were able to learn more about her career path and specific aspects of the project.

SUCCESES/PROBLEMS:

Undergraduate and graduate students attended from the both the USC Viterbi School of Engineering and USC Price School of Public Policy. We were able to learn more about the Streetcar and how it will affect transportation in Downtown LA.

SPEAKER/SPEAKER CONTACT INFO:

Jessica Wethington McLean, Executive Director of Los Angeles City Councilmember José Huizar’s Bringing Back Broadway initiative

Jessica.WethingtonMcLean@lacity.org (213) 473-7014

PREPARATIONS:

- Scheduled speaker and reserved room.
- Applied to Viterbi Funding Board for funding and purchasing

BUDGET: \$230.00; Actual: \$208.25

Concrete Canoe Weekly Meeting 9/27/13

DATE: September 27, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 18 TOTAL: 21



DESCRIPTION OF EVENT/PURPOSE:

Co-Captain and mix design lead Jake Hermle led an introductory lesson on the basics of concrete: its basic components, how it is made, and its material properties. Members were also taught the basics of designing and testing concrete mixes. Aesthetics sub-team captains Nick Halsey and Jessica Maass gave a presentation to the aesthetics team members on the aesthetic designs of previous years' canoes, and led a brainstorming session on potential themes for the current year's canoe.

SUCCESSES/PROBLEMS:

A lively and productive brainstorming session produced many good theme ideas. The lesson on concrete seemed to bore some team members. It was suggested that lessons could be conducted while in the mixing lab so that members can see tangible examples of what they are being taught (e.g. when discussing cement, show members different kinds of cement in the lab, what it looks like when mixed with water, etc.).

PREPARATIONS:

- Create slide show presentation showing past years' aesthetic designs.
- Prepare lesson materials for concrete lesson.

BUDGET: \$0.00

Vine Street Elementary Community Service Project

DATE: September 28, 2013

LOCATION: Vine Street Elementary

ATTENDEES: BOARD MEMBERS: 7

MEMBERS: 1 TOTAL: 8



DESCRIPTION OF EVENT/PURPOSE:

This volunteer event is organized by Enrich LA, a nonprofit organization aimed to benefit students and communities through building gardens at schools. A group of USC ASCE members got up early on a Saturday morning to help completely rebuild an edible garden at Vine St. Elementary School. Tomás O'Grady of Enrich LA led a team of about 80 volunteers to clear out the old, unmaintained garden and build new raised beds, an irrigation system, a wooden fence, and picnic tables. After six hours in the sun, construction was complete and other groups began planting a variety of vegetables.

SUCCESSES/PROBLEMS:

We got valuable experience that will benefit our design teams' work, including sanding, staining, and constructing an irrigation system. Overall, it was a great experience for everyone that attended.

SPEAKER/SPEAKER CONTACT INFO:

<http://enrichla.org/volunteering/volunteer/>

PREPARATIONS:

- Contact Enrich LA
- Collect waivers from students
- Organize rides to Vine Street Elementary

Concrete Canoe Weekly Meeting 10/4/13

DATE: October 4, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 17 TOTAL: 20



DESCRIPTION OF EVENT/PURPOSE:

A base concrete mix design was mixed and poured into cylinder molds in the concrete mixing lab. The aesthetics sub-team developed some of the theme ideas they came up with in the previous week and began narrowing the field of potential themes. The construction sub-team, using the same base mix as the mix design team, used a portion of the mold from the previous year to place a “test section”, which allowed them to test out methods of placing and smoothing out layers of concrete. The structures sub-team met for the first time, where the structures sub-captains introduced how structures can be applied to concrete canoes.

SUCSESSES/PROBLEMS:

Overall, the sub-team meetings were very productive. The construction sub-team encountered some issues with maintaining layer thickness, which gave them a topic to research and test in future meetings.

PREPARATIONS:

- Acquire materials for concrete mixing and test section pour
- Prepare agendas for aesthetics and structures sub-team meetings.

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BUDGET: \$0.00

Steel Bridge Weekly Meetings: Every Friday at Noon

DATE: Every Friday at 12pm

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 7 TOTAL: 9



DESCRIPTION OF EVENT/PURPOSE:

Every Wednesday Steel Bridge meets to construct the bridge. Most of the work takes place inside the Kaprielian Hall basement where there is room to cut, grind, and weld. During the meetings there would be at least two people cutting metal, another two people grinding the metal smooth, and then two people welding.

SUCSESSES/PROBLEMS:

The 2013 team practices were productive at getting the pieces cut and ready to be assembled. Despite the productivity, there were bottlenecks when the welders were overwhelmed with the amount of pieces reading to be welded. Another problem was the monotonous nature of the process; this did not attract very many members.

PREPARATIONS:

- Safety preparations
 - Safety glasses
 - Gloves
 - Checking to make sure proper clothing was worn
- Discussion in beginning on goals for the day

USC ASCE BBQ

DATE: October 4, 2013

LOCATION: McCarthy Quad, USC
Campus

ATTENDEES: BOARD MEMBERS: 8

MEMBERS: 17 TOTAL: 25



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE held a BBQ on the McCarthy Quad on campus to invite perspective members to become a part of ASCE. In addition to the BBQ were games including, ice breakers, soccer, and Frisbee.

SUCSESSES/PROBLEMS:

The BBQ produced a good atmosphere for mingling and activities between current members and prospective members. The only problem was we struggled with lighting the coals and cooking the food at a fast enough rates. Possible solutions would be to find better lighter fluid or coals and to use more grills.

PREPARATIONS:

- Purchasing Food, Drinks, Coals . . . etc.

BUDGET: \$90.00

ASCE 143rd Annual Civil Engineering Conference

DATE: October 9, 2013- October 12, 2013

LOCATION: Charlotte, NC

ATTENDEES: BOARD MEMBERS: 8

MEMBERS: 0 TOTAL: 8



DESCRIPTION OF EVENT/PURPOSE:

This is the annual national conference for the national branch of the American Society of Civil Engineers. The topic of this year's conference is "Civil Engineers – The Foundation of the Nation." The conference brings together civil engineers of all skill levels, from students to industry professionals to members of academia, to discuss these real world problems and brainstorm possible solutions. It is a great networking opportunity, not only for students, but for all attendees, to make new friends and forge new professional bonds. The conference was held in Charlotte, NC this year. Attendees had the chance to meet fellow civil engineering students, industry professionals, and national and international leaders.

SUCSESSES/PROBLEMS:

This event was very valuable for all the members that went to the conference. We were all able to talk to countless amounts of professionals throughout the 4 days. Not only were we able to interact with the professionals and students during the conference, we were able to mingle with them at the events outside of planned conference events. From talking to them, we were able to learn about their projects and their careers. Most of them gave us advice that will benefit us in our future careers. We were also able to learn more about the new technologies, past and current projects, as well as topics such as ethics and finance by attending the concurrent sessions. We were also able to learn more about the role of ASCE as a professional organization. The ASCE Annual Civil Engineering Conference was definitely positive and very beneficial for not only the students that attended the conference, but the students we have already and will share our experiences with.

PREPARATIONS:

- Applied for funding through USC Leadership Funding Board and Viterbi Student Organization Support (SOS) Funding Board.
- Researched airfare, hotel, and other travel necessities.
- Collected waivers and emergency contact information from students who were attending.
- Obtained necessary registration information from students to submit to USC Lead Fund.

BUDGET:

\$3041 – approved by Leadership Funding Board for Lodging and Registration Fees

\$1000 – approved by Viterbi SOS Funding Board for travel expenses

Other costs- covered by students

Concrete Canoe Weekly Meeting 10/11/13

DATE: October 11, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 16 TOTAL: 18



DESCRIPTION OF EVENT/PURPOSE:

The concrete canoe team gathered and split into various sub-team meetings. The mix design team mixed an altered version of the base mix design and pour test cylinders. The aesthetics sub-team selected four final candidate themes for the canoe's aesthetic design, and sent out a voting form via email to the rest of the team. The structures sub-team began brainstorming different elements of the canoe hull design. The construction sub-team did not meet.

SUCCESSES/PROBLEMS:

There were a lot of people working in the mix design sub-team, but pouring only one mix requires 2-3 people. Captains should plan ahead to have work for 5-6 people ready.

PREPARATIONS:

N/A

BUDGET:

\$0.00

Speaker Meeting with John Hogan

DATE: October 15, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 6

MEMBERS: 16 TOTAL: 22



DESCRIPTION OF EVENT/PURPOSE:

John Hogan, the CEO of Hall & Foreman, Inc. spoke with the USC ASCE chapter about the importance of the “5 Cs of Success.” He stressed the importance of virtues such as character, commitment, and communication that go beyond being a competent engineer. As a USC alum, Mr. Hogan remembered his days as a student in ASCE and shared his journey throughout both the public and private sector, as well as from large companies to small companies.

SUCSESSES/PROBLEMS:

Our members learned about the importance of networking and making connections that may lead to future jobs. We had the opportunity to speak with the CEO of a company and see how he was able to achieve that position.

Speaker/Speaker Contact Info:

John Hogan – jhogan@hfinc.com

Preparations:

- Contact Speaker
- Order Food
- Advertise Event

Concrete Canoe Weekly Meeting 10/18/13

DATE: October 18, 2013

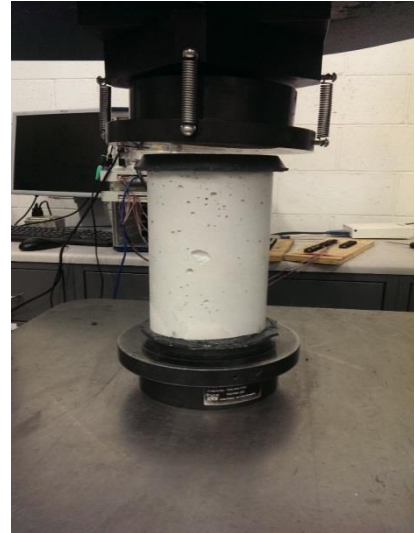
LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 18 TOTAL: 21

DESCRIPTION OF EVENT/PURPOSE:

The mix design team performed compression tests on the base concrete mix cylinders poured two weeks prior, and recorded the results. Homework assignments were given out to mix design sub-team members to develop new concrete mix designs that alter the amount of cement, fibers, and aggregate in the base mix. The canoe theme, “DiSCovery”, was selected by the aesthetics sub-team based on the poll results from the previous week. The structures sub-team discussed more hull design concepts. The construction sub-team poured a second test section, testing methods for maintaining a consistent layer thickness in the concrete.



SUCCESSSES/PROBLEMS:

The compression tests required cylinders to be capped with a sulfur compound – this capping process was more time-consuming than expected. In the future, cylinders should be capped in the previous week, or at some other time before the meeting.

PREPARATIONS:

- Prepare mix-related homework assignments for mix design sub-team members
- Collect poll results from online voting system

BUDGET: \$0.00

ASCE MLAB Annual Officer Installation

DATE: October 18, 2013

LOCATION: Los Angeles City Hall

ATTENDEES: BOARD MEMBERS: 4

MEMBERS: 0 TOTAL: 4



DESCRIPTION OF EVENT/PURPOSE:

The ASCE Metropolitan Los Angeles Branch (MLAB) had their Annual Officer Installation & Awards Dinner at the LA City Hall. At the event, incoming officers for the Branch, YMF, and student chapter (including 4 USC ASCE officers) were installed by Region 9 Governor Jay Higgins. At the dinner, they also awarded various projects and individuals that “demonstrated excellence in professional achievements this past year.”

SUCSESSES/PROBLEMS:

We were able to meet and chat with different professionals as well as learn about the projects that were honored. We were also able to volunteer to guide members to the correct floor/room at City Hall.

PREPARATIONS:

Organize Rides

BUDGET:

N/A

Concrete Canoe Weekly Meeting 10/25/13

DATE: 10/25/13

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 17 TOTAL: 20



DESCRIPTION OF EVENT/PURPOSE:

The mix design team tested the concrete cylinders poured two weeks prior. Concrete mixes with altered ratios of cement and aggregate were poured. The aesthetics sub-team brainstormed ideas for display stands for the canoe. The structures sub-team discussed various options for cross-sectional shapes of the hull. The construction sub-team poured a third test section, where they tested methods of producing a flat finish on the concrete surface.

SUCSESSES/PROBLEMS:

The mix design team members had produced multiple mix designs away from the meeting, which gave everyone on that sub-team something to do.

PREPARATIONS:

Structures: research various styles of canoe cross-sections

BUDGET:

\$0.00

Concrete Canoe Weekly Meeting 11/1/13

DATE: November 1, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 15 TOTAL: 18



DESCRIPTION OF EVENT/PURPOSE:

The mix design sub-team mixed concrete with adjusted ratios of fibers, admixtures, cement, and aggregate. The aesthetics sub-team further developed ideas for display stands, and discussed details of the canoe graphic design. The structure sub-team discussed and researched chines and rocker for the canoe hull. The construction sub-team pulled their first test section from its mold and took down observations of the result.

SUCSESSES/PROBLEMS:

The number of mixes scheduled to be mixed for this particular meeting was high, leading some team members to have to stay later than usual.

PREPARATIONS:

N/A

BUDGET:

\$0.00

Second General Meeting: 11/8/2013

DATE: November 8, 2013

LOCATION: Taper Hall of Humanities, room 218

ATTENDEES: BOARD MEMBERS: 8

MEMBERS: 24 TOTAL: 32



DESCRIPTION OF EVENT/PURPOSE:

The second general meeting was a great way to put ASCE back into peoples' minds. With still many new faces, the meeting opened up with ice breakers in which everyone, including the board members, participated. Food was served (pasta from local Pasta Roma), which probably attributed to some of the new faces. During the meeting a power point of USC ASCE was shown along with a power point introduction to PSWC. One member discussed how to best talk to professionals at conference events and establish connections.

SUCSESSES/PROBLEMS:

The meeting was successful at sparking interest in PSWC but the room was too small. Additionally, the event was too short, and we had another ASCE meeting (YMF Student Roundup) scheduled right after it, across campus.

PREPARATIONS:

- Buying food
- Transporting food
- Developing power points
- Deciding on best icebreaker

Concrete Canoe Weekly Meeting 11/8/13

DATE: November 8, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 15 TOTAL: 18



DESCRIPTION OF EVENT/PURPOSE:

The mix design sub-team performed compression tests on mixes with adjusted ratios of cement and aggregate, and capped test cylinders from the previous week. The aesthetics sub-team further developed display stand designs, and tested out the application of different types of concrete stains (e.g. acid, water-based) on test slabs. The structures sub-team chose the maximum length, beam width, and height of the canoe. The construction sub-team tested out methods of sanding cured concrete.

SUCCESSES/PROBLEMS:

A bottle of acid stain was accidentally knocked over in the lab, creating a mess that was difficult to clean up. Future teams should lay down newspaper on the floor of the lab space to make it easier to clean up messes.

PREPARATIONS:

Order samples of acid and water-based concrete stains

BUDGET: \$0.00

ASCE YMF Tree Planting with City of Long Beach

DATE: November 9, 2013

LOCATION: Long Beach, CA

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 0 TOTAL: 2



DESCRIPTION OF EVENT/PURPOSE:

ASCE LA YMF organized to volunteer as a group for a tree-planting event as a part of City of Long Beach’s “I Dig Log Beach – 6,000 Trees by 2020” campaign.

SUCSESSES/PROBLEMS:

We were able to meet and network with the ASCE LA YMF members while also helping the City of Long Beach work towards their goal of planting 6000 trees. One problem we encountered was member participation. Since it was in the middle of the semester, many students were busy with school work and projects.

PREPARATIONS:

N/A

BUDGET:

N/A

Concrete Canoe Weekly Meeting 11/15/13

DATE: November 15, 2013

LOCATION: Kaprielian Hall & Salvatori
Computing Center, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 17 TOTAL: 20



DESCRIPTION OF EVENT/PURPOSE:

The mix design sub-team tested concrete mixes with altered ratios of fibers and admixtures, and poured test cylinders of multiple finishing mix designs. The aesthetics sub-team worked on a detailed layout of the graphic design. The structures sub-team discussed the usage of keel in the canoe hull design, and began work on the CAD model of the canoe. The construction sub-team poured a fourth test section, testing out new methods of maintaining layer thickness.

SUCCESSES/PROBLEMS:

The aesthetics and structures teams could not book space in the computer labs in Kaprielian Hall, and had to move to SAL computing center to finish their work.

PREPARATIONS:

Prepare new mix designs for a finishing concrete mix

BUDGET: \$0.00

Concrete Canoe Weekly Meeting 11/22/13

DATE: November 22, 2013

LOCATION: Kaprielian Hall & Salvatori Computing Center, USC Campus

ATTENDEES: BOARD MEMBERS: 3

MEMBERS: 18 TOTAL: 21



DESCRIPTION OF EVENT/PURPOSE:

The mix design sub-team poured its final versions of the structure concrete mix. The aesthetics sub-team had to restart the display stand design process after realizing its original design was expensive to construct. The structures sub-team worked toward finishing the CAD model of the canoe. The construction sub-team pulled multiple test sections from their molds and tested sanding methods on them.

SUCSESSES/PROBLEMS:

The aesthetics team took a few steps back when the stand designs they had originally come up with were rejected by the co-captains, who thought that the initial planet-themed stands would be expensive to construct and would ultimately look different from the aesthetics sub-team's mock-up drawings. This issue brought to light the need for the team captains to stay in constant communication with the sub-team captains.

PREPARATIONS: N/A

BUDGET: \$0.00

Concrete Canoe Weekly Meeting 11/25/13

DATE: November 25, 2013

LOCATION: Kaprielian Hall & Salvatori
Computing Center, USC Campus

ATTENDEES: BOARD MEMBERS: 1

MEMBERS: 7 TOTAL: 8



DESCRIPTION OF EVENT/PURPOSE:

Because of the holiday week, only the aesthetics sub-team met during the week of November 25th, where they completed the design of the new display stands.

SUCSESSES/PROBLEMS:

The holiday week meant most team members were not available to meet.

PREPARATIONS:

N/A

BUDGET:

\$0.00

Concrete Canoe Weekly Meeting 12/6/13

DATE: December 6, 2013

LOCATION: Kaprielian Hall, USC Campus

ATTENDEES: BOARD MEMBERS: 2

MEMBERS: 16 TOTAL: 18



DESCRIPTION OF EVENT/PURPOSE:

The mix design sub-team tested all remaining concrete test cylinders. Based on the results of this testing, a final structural and finishing mix was selected. The aesthetics sub-team finalized the layout of the graphic design, and began planning out the application process for the stains. The structures sub-team finished the CAD model of the canoe hull. The construction sub-team did not meet.

SUCSESSES/PROBLEMS:

Because it was the last week of the semester, many sub-team meetings ran late in order to reach self-made deadlines for the end of the semester.

PREPARATIONS: N/A

BUDGET: \$0.00

ASCE MLAB University Outreach Committee Student Round Up

DATE: November 7, 2013

LOCATION: USC KAP 146

ATTENDEES: BOARD MEMBERS: 6

MEMBERS: 3

STUDENTS FROM OTHER SCHOOLS: 27

TOTAL: 36



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE volunteered to help host the ASCE MLAB Student Round Up at USC. At this event, students from six other universities (Cal Poly Pomona, Cal Baptist, Cal State Long Beach, Cal State Northridge, LMU, and UCLA) attended. This event was coordinated by the Metropolitan Los Angeles Branch, University Outreach committee. During the Roundup, students were given the opportunity to learn more about what ASCE can do for students after graduation and to learn more about other student chapters. The 2013-2014 LA YMF President, George Huang, started off by giving an overview of how ASCE as a society functions. Other LA YMF board members discussed community service, K-12 outreach, annual reports, scholarships, the Student Night Job Fair, conferences, and other items.

SUCCESSES/PROBLEMS:

It was a successful event as we were able to learn more about ASCE. We were also given the opportunity to form small groups to discuss with other students regarding the ups and downs of our own student chapters. From this discussion, we were able to talk about the success and failures of our chapter and what goals we have for the school year. We were also able to obtain contact information and ideas from other student chapter leaders.

PREPARATIONS:

- Coordinate with ASCE LA YMF members to organize event date and location
- Reserve room
- Advertise event
- Purchase dinner (Pasta Roma + Togo's)

BUDGET:

Pasta Roma+ Togo's+ Utensils: \$141.82

ASCE Student Roundup

By: Benjamin Baker



On Thursday, November 7, 2013, MLAB Younger Member Forum (YMF) hosted a Student Roundup for ASCE student leaders from different LA Section universities to meet up, share their experiences, describe what progress they have been making toward their goals, and learn more about how to stay involved in ASCE after graduation. The USC campus's central location in Los Angeles made it a convenient place to host the event.

Student representatives attended from seven universities: USC (9), Cal Baptist (6), UCLA (5), CSULB (4), CSUN (3), Cal Poly Pomona (3), and LMU (2). Cal State LA was unable to attend because of an unavoidable conflict with an important fundraiser. Thirty-six people attended in all, including 4 speakers from LA YMF.

The event began at 6:30 pm with Pasta Roma dinner and quick introductions. George Huang, the 2013-2014 LA YMF President, gave an overview of the ASCE governing structure. He also described LA YMF's current structure, board meetings, technical tours, and social activities. Kaitlin Hannon, the 2013-2014 LA YMF Community Outreach Chair, covered community service, K-12 outreach, annual reports, and scholarships.

Nazanin Hajaty, the 2013-2014 Student Night Job Fair Chair, explained what to expect at the upcoming event in March 2014 in Hollywood. Ben Baker, the 2013-2014 University Outreach Chair, covered next year's conferences, including the Workshop for Student Chapter Leaders in Phoenix (Jan 31-Feb 1), Pacific Southwest Regional Conference at San Diego State University (Apr 2-5), and the National/Global ASCE Conference at Panama City (Oct 5-11).

The students then formed small groups comprised of people from different universities. They shared and discussed student chapter goals for the year, especially in regard to membership and fundraising. The students then got back together with the other students from their schools to set milestones and schedule activities to meet their goals. Students also gave short presentations to the entire audience there reflecting on highlights and areas for improvement for their chapters.

At the end of the night, the student chapters were informed of upcoming events, such as the Popsicle Stick Bridge Competition, which will be hosted at CSUN in February 2014. There is the possibility of another student mixer in January. The roundup was adjourned by 8:30 pm.



Student Roundup Article written by Benjamin Baker, MLAB/LA YMF University Outreach Chair



**Metropolitan Los Angeles Branch
University Outreach Committee
STUDENT ROUNDUP AGENDA**

Attendants: University Outreach Committee (UOC) and Students
Date & Time: Thursday, November 7, 2013, 6:30 PM to 8:30 PM
Place: University of Southern California (USC), Kaprielian Hall 146

- I. Welcome and Pasta Roma Dinner (*Ben*)
 - a. Quick Introductions (*All--name, role, and one interesting fact, 5 min.*)
 - b. Overview of the University Outreach Committee (UOC) (*Ben, 5 min. about topics for the evening*)
- II. Overview of the American Society of Civil Engineers (*Darwin, 5-10 min.*)
 - a. Who is who in ASCE Leadership
 - b. Where does MLAB fit in? (Governing Structure)
- III. Overview of the MLAB Younger Member Forum (*George, 10 min.*)
 - a. Board meetings
 - b. Technical presentations
 - c. Community service
 - d. Conferences
 - e. Activities
 - f. Scholarships (briefly)
 - g. Student night/Job fair (briefly)
 - h. Contact info (mlab-yfmf.org, Facebook page)
- IV. Strategic Planning for 2013-2014 (*Moderated by Ben, total 50 min.*)
 - a. Share and discuss Student Chapter goals for the year (each school will give an approximately 5-minute presentation) (*35 min*)
 - i. Assessment of last year (positives, areas for improvement)
 - ii. Goals for the upcoming year
 1. Membership
 2. Fundraising
 - iii. Questions for other student chapters/YMF
 - b. Share and discuss ideas for how to meet goals (*Small groups: 1 from each school, at least 1 YMF, 10 min.*)
 - c. Set milestones/schedule activities for the achievement of these goals (*each school gets back together, 5 min.*)
- V. Scholarships (*Kaitlin, 5 min*)
 - a. ASCE scholarships (National, Section, Branch, YMF)
 - b. Non-ASCE opportunities
- VI. Annual Report (*Kaitlin, 5 min*)
 - a. Important dates and deadlines
 - b. Advice and tips
- VII. Upcoming Student Night/Job Fair (*Nazanin, 5 min.*)
 - a. When: March 2014, tentatively
 - b. Attendance: Minimum 15 students per school
 - c. Resume/Mock Interview Workshops, Resume CDs.
- VIII. Conferences (*Julian, 5 min.*)



**Metropolitan Los Angeles Branch
University Outreach Committee
STUDENT ROUNDUP AGENDA**

- a. Pacific Southwest Conference – San Diego State University (April 2-5, 2014) ... How can we help?
 - b. Workshop for Student Chapter Leaders (WSCL) – Phoenix, AZ (January 31-February 1, 2014)
 - c. National/Global ASCE Conference – Panama City, Panama (October 5-11, 2014)
- IX. Upcoming ASCE Events (*Ben, 5 min.*)
 - a. Engineers Week. Popsicle Stick Bridge Competition volunteer opportunities.
 - b. Refer to calendar at mlab-yfmf.org, Facebook page.
 - c. Set date and decide host for January mixer.
 - X. Open Forum
 - XI. Announcements and Adjournment (*thank USC for hosting*)

Student Roundup Agenda prepared by Benjamin Baker, MLAB/LA YMF University Outreach Chair

USC ASCE Résumé Workshop with LA YMF

DATE: November 14, 2013

LOCATION: USC KAP 146

ATTENDEES: BOARD MEMBERS: 9

MEMBERS: 16 TOTAL: 25



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE hosted a résumé workshop with ASCE LA Section YMF members. Before the workshop, we had members submit their résumés which were forwarded to LA YMF for review. During the workshop, industry professionals from ASCE YMF offered general advice on how create a professional résumé as well as offered individual advice on how to revise our current résumés.

SUCSESSES/PROBLEMS:

Each student member was given the opportunity to network with the industry professionals while gaining valuable advice on how to revise their résumés.

PREPARATIONS:

- Coordinate with ASCE LA YMF members to organize event date and location
- Collect résumés
- Reserve room
- Advertise event
- Purchase snacks

Environmental Design Team Ice Cream Social

DATE: November 21, 2013

LOCATION: USC KAP Lobby

ATTENDEES: BOARD MEMBERS: 5

MEMBERS: 4 TOTAL: 9



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE Environmental Design Team hosted an Environmental Design Team Ice Cream Social so that people interested in joining the Environmental Design Team can socialize and meet other students who are interested. The event was meant to kick start the Environmental Design Team meetings in the following semester since the rules from San Diego State University wasn't released yet.

SUCSESSES/PROBLEMS:

There was little participation from new members. We will advertise the team more during the second semester to encourage participation in order to prepare for the competition at PSWC.

PREPARATIONS:

- Prepare announcement for the newsletter
- Purchase the ice-cream

Budget:

Ice cream- \$12

Attachment E: Special Project: Hosting PSWC

DATES: April 4-6, 2013

LOCATION: USC Campus, Santa Fe Dam

ATTENDEES: BOARD MEMBERS: 9

MEMBERS: 6 TOTAL: 15



DESCRIPTION OF EVENT/PURPOSE:

USC ASCE co-hosted the [Pacific Southwest Conference](#) with Loyola Marymount University (LMU) and California Baptist University (CBU). This conference is the biggest nationwide, hosting 18 universities, and over 1000 students. The 3-day conference was budgeted at over \$100,000.

In the fall of 2012, our planning committee finalized a solid budget and secured most of the venues for the on-campus events. The PSWC Planning Committee established firm lines of communication with both LMU and CBU, holding weekly conference calls and physically meeting up once a month to ensure we were all keeping pace with each other. We also kept in constant communication with the USC Department of Public Safety to coordinate the logistics of the events.

We started off 2013 by publishing the rules for all the events on the conference website (<http://www.pswc2013.com/>). The USC ASCE PSWC Planning Committee continued to meet weekly in order to iron out the smaller details of events, booking meals, and finalizing venue details. We also needed to create storage space for all the supplies and then order the bowling sets, first aid kits, trash bags, and other miscellaneous items we would need during the conference.

A couple of months before the event, we reached out to other engineering students for volunteers to run the events. We offered monetary rewards for organizations that could supply the highest percentage of volunteers relative to the size of their organizations, which was a great incentive for volunteers.

When it was time for the actual conference, we began each day at 4 am in order to set up all the events before other schools arrived, and more importantly, before USC students started going to class. We

needed to move all the materials to various parts of campus before 8 am and oversee some events while participating in others. It was a little chaotic, but we got through it. In the end, we received much positive feedback, and we are glad to have put on a successful conference.

SUCCESSSES:

Some of the successes of hosting this event include publicity of ASCE to the university, good coordination between the three host schools, and accurate timing of events. Since we started off the planning process with strong communication and continued that communication throughout the year, most of our plans for the logistics worked out, and our schedule was not delayed. One of the unique aspects about this particular PSWC was the fact that most of the events took place on USC's campus -- just a short way from downtown LA. As part of our Scavenger Hunt, we incorporated famous LA landmarks, such as the Hollywood sign and even Disneyland, which the PSWC participants eagerly looked for. It was an opportunity to show everyone a great time around Los Angeles, in addition to competing in events during the day.

Another major success was the lunch on the day of the canoe races. One of our civil engineering professors volunteered to grill Angus beef and serve a fresh, homemade meal for over 1000 students. Even though the line was long, it moved quickly, and many people tried to come back for seconds. This was a vast improvement over other meals that consisted of cheap boxed lunches.

PROBLEMS:

One of the major issues we faced was lack of manpower. Most of the Planning Committee consisted of officers on the executive board, which meant that in addition to planning the conference, we also had to worry about competing in events. We were not able to meet all of our staffing needs for events, so some of the events were run by committee members, who were then ineligible to compete on behalf of USC. Part of this is due to the fact that our civil engineering department is fairly small to begin with, and we have other civil engineering organizations that students are involved with in addition to or instead of ASCE. LMU and CBU have even smaller engineering programs, so they ran into similar issues. However, since the events were physically on USC's campus, we were responsible for providing majority of the manpower. In the end, everything worked out, even if it was at the expense of our own team's competitiveness.

PSWC | 2013



Welcome

PSWC 2013 is over! The hosts schools would like to thank all the sponsors and volunteers that helped make this year's conference a special one!

Pacific Southwest Conference 2013

[Click here to register](#)

Sponsors

PSWC is sponsored by many different engineering corporations!

[See more](#)

Hosts

LMU, USC, and Cal Baptist are hosting the 2013 PSWC, to provide a unique LA experience!



[See more](#)

Info

Here you'll find the list of competition, their locations, and times.



[See more](#)

ASCE

The public policy goal of the American Society of Civil Engineers (ASCE) is to serve the public and the engineering profession by:

- Advocating for the Society's strategic goal of enhancing infrastructure and environmental stewardship to protect the public health and safety and improve

PSWC 2013 Website



January 1, 2013

Dear Pacific South West Student Chapter:

This is your 2013 Pacific South West Student Conference Mailer 2, the second of three packets to be sent to each of the participating schools. Please read carefully through this packet and distribute copies to the appropriate chairpersons in your Chapter. Please keep this mailer as the information that is given here may not be repeated in subsequent mailers. The following items are enclosed:

- Timeline of Deadlines
- Registration Forms
- Parking Information
- Competition Rules Information
- Updated Tentative Conference Schedule

Receipt of this mailer should be confirmed by completing the *online* Mailer 2 Confirmation Form by **January 14, 2013**. Please note that the school individual attendee registration deadline is **February 1, 2013**. Registration must be **postmarked** no later than this date. Any registrations postmarked after this date must pay the late registration fee of **\$115 per person**. Late registrations must be **postmarked by February 11, 2013**. This is the final day that any registrations will be accepted.

If you have any questions, feel free to contact us at this email address: pswc2013@gmail.com. All questions and answers concerning the events, rules, etc. will be posted on our website. We will do our best to answer all questions in a timely fashion, however, please be patient! Please also monitor our Facebook and Twitter accounts!

We look forward to seeing you in the spring!

Sincerely,

The PSWC 2013 Conference Planning Committee

pswc2013.com | pswc2013@gmail.com | twitter.com/pswc2013 | facebook.com/pswc2013





October 31st, 2012

Dear Pacific South West Student Chapter:

This is your 2013 Pacific South West Student Conference Mailer 1, the first of three packets to be sent to each of the participating schools. Please read carefully through this packet and distribute copies to the appropriate chairpersons in your Chapter. Please keep this mailer as the information that is given here may not be repeated in subsequent mailers. The following items are enclosed:

- Timeline of Deadlines
- Registration Information
- Tentative Conference Schedule
- Hotel Accommodations

Please monitor our website, www.pswc2013.com, very carefully. You will be notified of all major announcements and changes via email. All other announcements will be posted on our Facebook page and Twitter account. Receipt of this mailer and school registration should be confirmed by completing the *online* School Registration Form by **November 23, 2012**. Please note that while the school registration deadline is November 23, 2012, the individual attendee registration will not be due until **February 1, 2013**. Please also note that the two student contacts and faculty advisor that you will list on the School Registration Form will be your **only** points of contact for email updates; all updates and FAQs will be posted on the website for everyone else.

If you have any questions, feel free to contact us at this email address: pswc2013@gmail.com. All questions and answers concerning the events, rules, etc. will be posted on our website. We will do our best to answer all questions in a timely fashion, however, please be patient!

We look forward to seeing you in the spring!

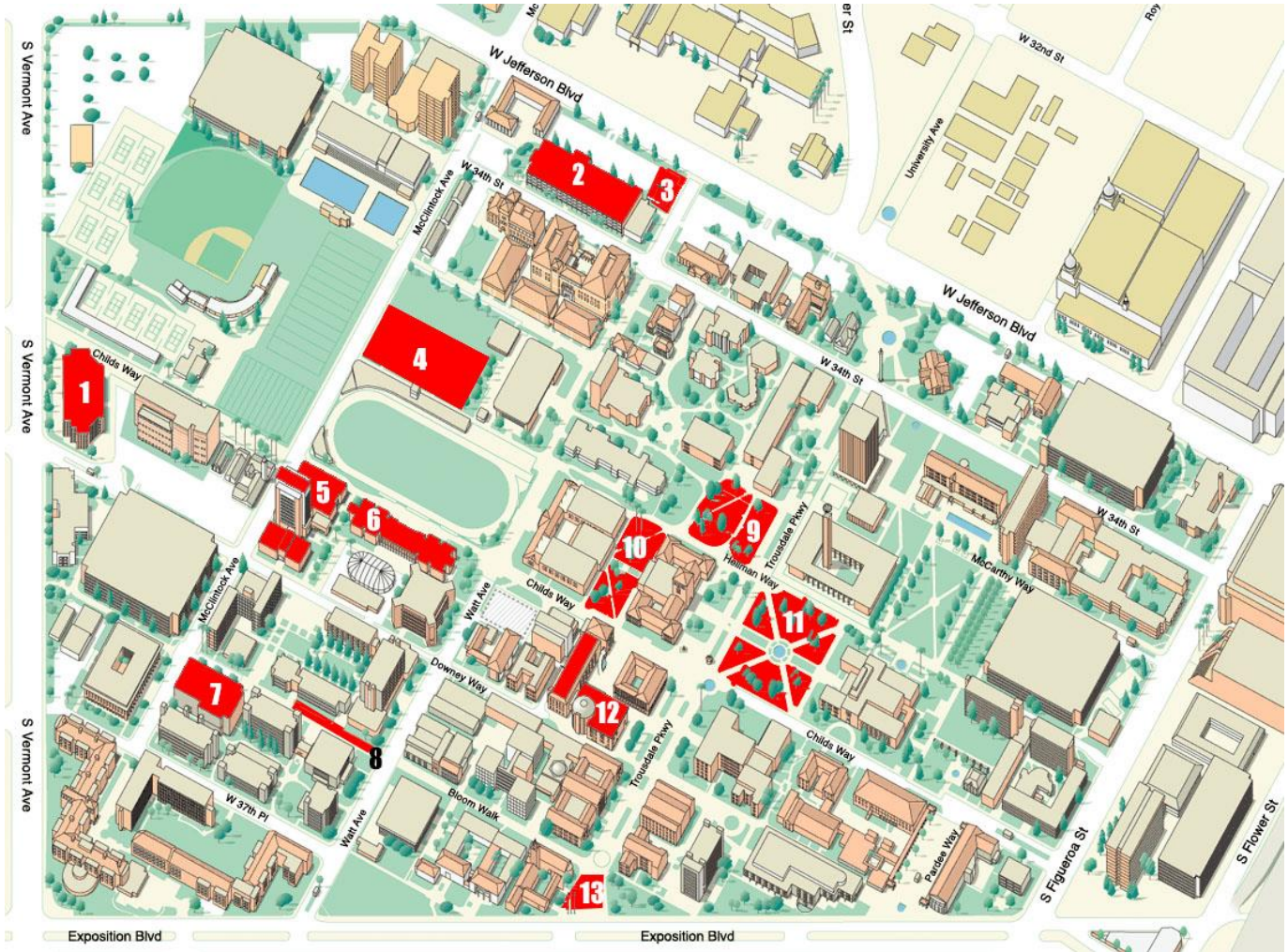
Sincerely,

The PSWC 2013 Conference Planning Committee

pswc2013.com | pswc2013@gmail.com | twitter.com/pswc2013 | facebook.com/pswc2013



Schedule of Events



Campus Map with all Event Locations

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You are here: Home » News » **Row your boat**

Row your boat

Posted April 4, 2013 at 11:40 pm in News

USC displays its entry in the concrete canoe and steel bridge competition in Alumni Park on Thursday. The USC chapter of the American Society of Civil Engineers is hosting 18 universities for a weekend conference.

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Joseph Chen | Daily Trojan

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