



USC
ASCE
American Society of Civil Engineers

Annual Report for
American Society of Civil Engineers
USC Student Chapter

2017

Contact Information

- Mailing Address:
Sonny Astani Department of Civil and Environmental Engineering
3620 South Vermont Ave.
Los Angeles, CA 90089
- Email Address: uscasce@usc.edu
- Website: uscasce.com



USC ASCE



@uscasce



@uscasce



@uscasce

Student Officers - Spring 2017 - Executive

| Position | Name | Email |
|---------------------------|------------------|-------------------|
| President | Saina Vosoghi | vosoghi@usc.edu |
| Vice President | Marissa Knutson | mvknutso@usc.edu |
| Secretary | Elizabeth Gu | elizablg@usc.edu |
| Treasurer | Jason Loui | jloui@usc.edu |
| Sponsorship/PSWC Chair #1 | Mariajose Jarrin | mjarrinl@usc.edu |
| Sponsorship/PSWC Chair #2 | Alex Tanner | adtanner@usc.edu |
| Media Chair #1 | Akivan Rooks | arooks@usc.edu |
| Social/Outreach Chair | Linnea Engstrom | lengstrom@usc.edu |
| External Relations Chair | Branden Currey | bcurrey@usc.edu |



2016-2017 Executive Board

Student Officers - Spring 2017 - Design Teams

| Position | Name | Email |
|---------------------------------|-------------------|------------------|
| Junior Concrete Canoe Captain | Emelia Park | emeliapa@usc.edu |
| Junior Concrete Canoe Captain | Cole Pernitsky | pernitsk@usc.edu |
| Concrete Canoe Captain | Karina Schulz | kschulz@usc.edu |
| Steel Bridge Captain | Jamaica Go | jamaicag@usc.edu |
| Junior Steel Bridge Captain | Jennifer Villacis | jvillaci@usc.edu |
| Environmental Design Captain #1 | Justine Lee | lee637@usc.edu |
| Environmental Design Captain #2 | Samantha McVety | mcvety@usc.edu |



2016-2017 Concrete Canoe Captains

Student Officers - Fall 2017 - Executive

| Position | Name | Email |
|-------------------------|------------------|------------------|
| President | Mariajose Jarrin | mjarrinl@usc.edu |
| Vice President | Linnea Engstrom | lengstro@usc.edu |
| Secretary | Junco Nelson | junconel@usc.edu |
| Treasurer | Jake Lam | jakelam@usc.edu |
| Assistant Treasurer | Nick Huber | nicholeh@usc.edu |
| PSWC Co-chair | Cyril Hui | cheukloh@usc.edu |
| PSWC Co-chair | Alejandro Quiroz | quiroza@usc.edu |
| Sponsorship Chair | Cole Kurth | colekurt@usc.edu |
| Mentorship/Social Chair | Julia Lind | jlind@usc.edu |



2016 and 2017 Vice Presidents and Presidents
 Left to Right: L. Engstrom, M. Knutson, S. Vosoghi, M. Jarrin

Student Officers - Fall 2017 - Design Teams

| Position | Name | Email |
|---------------------------------|------------------|------------------|
| Concrete Canoe Captain#1 | Emelia Park | emeliapa@usc.edu |
| Concrete Canoe Captain #2 | Cole Pernitsky | pernitsk@usc.edu |
| Junior Concrete Canoe Captain | Sarah Cigas | cigas@usc.edu |
| Geotechnical Captain | Branden Currey | bcurrey@usc.edu |
| Steel Bridge Captain #1 | Akivan Rooks | arooks@usc.edu |
| Steel Bridge Captain #2 | Jennifer Villaci | jvillaci@usc.edu |
| Junior Steel Bridge Captain | Nate Leon | leonn@usc.edu |
| Environmental Design Captain #1 | Justine Lee | lee637@usc.edu |
| Environmental Design Captain #2 | Samantha McVety | mcvety@usc.edu |



2017-2018 Steel Bridge Captains

Advisors

Faculty Advisor

Amy Rechenmacher
arechenm@usc.edu

(213) 740-3615

Practitioner Advisor #1

Julian Garcia
jugarcia@dpw.lacounty.gov

(626) 300-2061

Practitioner Advisor #2

Ed Reynolds
freynold@usc.edu

(213) 740-0603



USC
ASCE
American Society of Civil Engineers

Financial Summary

2017

Dues

Each student member must contribute **\$30 in dues** to the chapter for the entire school year.



2017-2018 Treasurer Jake Lam

Budget Summary as of 12/31/17

Total Income = **\$36,707.99**

Total Expenditures = **\$14,034.92**

Cash Balance = **\$22,673.07**

Accounts Receivable = **\$0**

Balance = **\$22,673.07**



Goals and Objectives

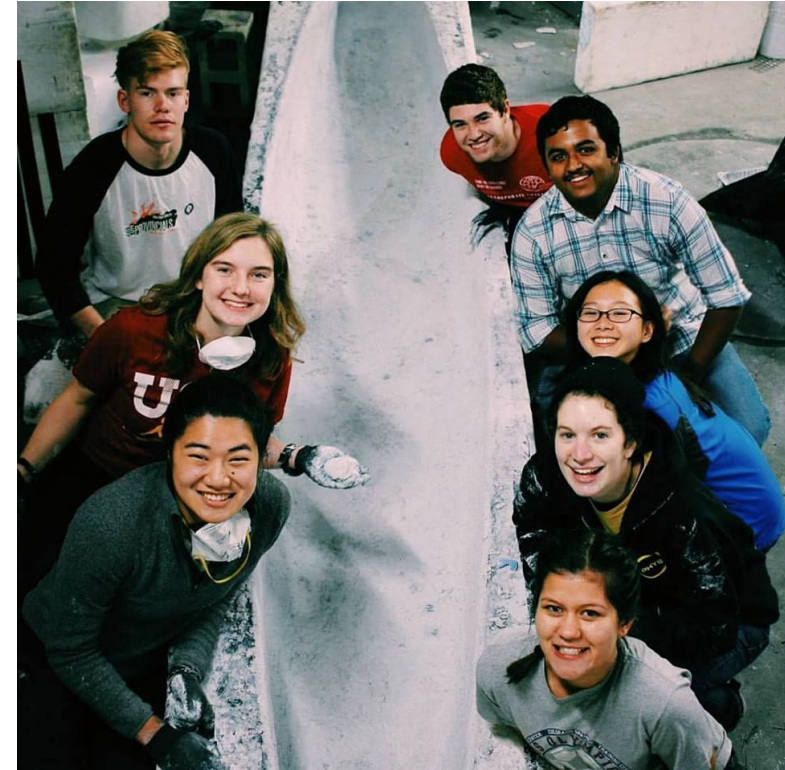
2017

Mission Statement

“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.”

Chapter Goals

1. Encourage Team Bonding
2. Increase Underclassmen Membership
3. Increase Underclassmen Leadership
4. Top 5 PSWC Performance



Smiling faces after pour day

Encourage Team Bonding

The goal was met by (1) planning more social events in general, not restricting the events to USC ASCE activities and (2) having the design team captains plan joint events for the design teams. This year we developed strong relationships between our members by joining the USC Intramural Basketball League, attending the annual holiday party, hiking and even bowling. There were a total of **10 social events** in 2016. In 2017 we aimed for the same amount and wound up with **13 socials**.



ASCE E-board members at the 2017 annual Civil Engineering Department holiday party

Increase Underclassmen Membership

Underclassmen involvement improved from **26 student members in 2016** to **31 student members in 2017**. The goal was met by maintaining the Big Buddy program and participating in involvement fairs. Our increase in membership is also attributed to our underclassmen officers making announcements in introductory civil engineering courses.



7 of our freshman members at PSWC 2017

Increase Undergraduate Membership



ASCE Executive Board present our work at the Viterbi and General Student Involvement Fairs

Increase Underclassmen Leadership

The number of underclassmen holding executive board positions increased from **5 in the 2016-2017 school year** to **6 in the 2017-2018 school year**. We were able to achieve this by more leadership positions like Assistant Design Team Captains and Assistant Treasurer. This not only encourages leadership, but ensures success in coming years.



Current sophomores, Nick Huber (Co-Treasurer) and Nathaniel Leon (Assistant Project Manager) at PSWC 2017

Top 5 PSWC Performance

Unfortunately, this goal was not met in 2017. Although we were able to place 3rd in Concrete Frisbee, we did not do as well as we hoped to in other categories. Our priority moving forward is to not only focus on the core design teams but to place more emphasis on teams like Design-Build, Geotech, Surveying, and Transportation. We think that this strategy will lead us back to top 5 as we have performed in previous years.



Concrete Frisbee Team Celebrates at PSWC 2017



USC
ASCE
American Society of Civil Engineers

Chapter Events & Statistics

2017

Membership

| | | | |
|---|--------------|---|-------------|
| Number of Members | 96 | Number of Members with Junior and Senior Status | 40 |
| Number of ASCE National Society-level Members | 96 | Number of Eligible Juniors and Seniors | 60 |
| Society-Level Membership Percentage | 100 % | Junior and Senior Membership Percentage | 67 % |

Dream Big Social

Jan 15, 2017

As part of WSCL, club members joined together to watch and discuss Dream Big: Engineering Our World. Here we heard from leaders of ASCE and viewed the director's cut pre-official release.



Number of Attendees: 8

ASCE Senior Hardhat Signing

April 21, 2017

As a send-off for graduating seniors, underclassmen signed USC Viterbi hardhats for graduates to cherish their times here. This is an annual tradition that our senior members love to participate in.



Number of Attendees: 11

USC/UCLA Social @ USC

April 24, 2017

USC hosted a friendly social event with our cross-town rival UCLA. We had a bracketed ping pong tournament, in which the losing school had to record a video of club members singing the winning school's fight song. UCLA won :(



Number of Attendees: 20

Design Team Bowling Night

October 6, 2017

As part of this year's effort for greater socializing between design teams, members of the steel bridge, concrete canoe, and environmental design teams went bowling together.



Number of Attendees: 12

ASCE Basketball Intramural League

October-November, 2017

As an effort to prepare for basketball games at PSWC, members united to create an ASCE basketball team to compete in the USC intramural league.



Number of Attendees: 8

ASCE-SWE Philanthropy

October 21, 2017

ASCE members partnered with the Society of Women Engineers on a Saturday to help middle-school aged girls get excited about STEM, facilitating fun activities and answering any questions the girls had about college and engineering in general.



Number of Attendees: 7

YMF Mixer hosted at UCLA

October 21, 2017

USC executive board members attended a Los Angeles section student mixer in order to build relationships before PSWC and learn more effective club leadership methods.



Number of Attendees: 3

Griffith Park Hike

October 29, 2017

New and returning members hiked around the Griffith Park Observatory in an effort to make new freshmen feel welcomed.



Number of Attendees: 7

Breakfast with Kristina Swallow

November 17, 2017

The USC Civil Engineering Department hosted ASCE National 2018 President Kristina Swallow in November. ASCE student leaders had the opportunity to join her for breakfast at the University Club and to hear her speak about her current agenda and ask her questions about the industry.

Number of Attendees: 10



Mariajose Jarrin (President) and Alex Huerta (Chapter Member) with Kristina Swallow

Resume Review

November 28, 2017

Alumni from Los Angeles engineering and construction firm, CDM Smith, hosted an on campus resume review. They provided personalized, one-on-one feedback on members' resumes as well as offered career and course advice.



Number of Attendees: 17

Design Team Karaoke

November 30, 2017

Design teams united for a fun social activity in order to further our club's efforts to create closer bonds between new and returning members of different design teams



Number of Attendees: 10



USC
ASCE
American Society of Civil Engineers

Pacific Southwest Conference (PSWC)

University of California Irvine
Irvine, CA
April 5 - 8, 2017



Donald Bren
Information & Computer Sciences

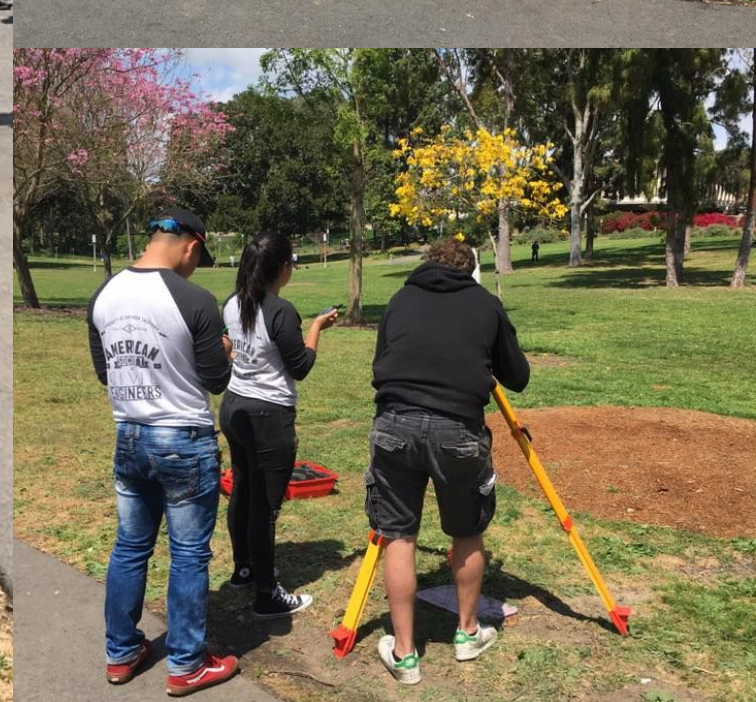
Technical Paper

Current Vice President, Linnea Engstrom, presents her technical paper at PSWC 2017



Environmental design team members, Alejandro Resendiz and Jake Lam, are focused as they compete in the construction portion of the design competition at PSWC 2017.

Environmental Design



Surveying

The USC ASCE Surveying is ready to take on PSWC 2017's problem statement.



Concrete Canoe



Steel Bridge



Geotechnical Wall



Concrete Frisbee

Third Place



Scavenger Hunt



Construction



USC
ASCE
American Society of Civil Engineers

Leadership Development

Workshop for Student Chapter
Leaders (WSCL)
Los Angeles, CA
January 20, 2017



This fall four of our members attended the national convention in New Orleans. As their first national conference they were excited about all of the talks, tours, and gumbo!

“My favorite part was definitely the motivational speaker. I think it’s super important to learn your brand in this industry to differentiate yourself from the rest”

M. Jarrin, Chapter President

USC
ASCE
American Society of Civil Engineers

ASCE 2017 National Convention

New Orleans, Louisiana

October 8 -11, 2017

Summary

Overall, 2017 was a successful year for USC ASCE! Despite our placement in PSWC we exceeded our goals in diversifying our chapter body and preparing our younger student members for leadership roles in the organization's future. Our community was strengthened by encouraging social bonding among our members, regardless of class standing. We are proud of the work we have accomplished within the past year and look forward to setting more goals to have an even brighter future!



USC
ASCE
American Society of Civil Engineers

Thank You

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