PI TAU SIGMA ANNUAL CHAPTER REPORT
2015-2016
California Sigma Eta

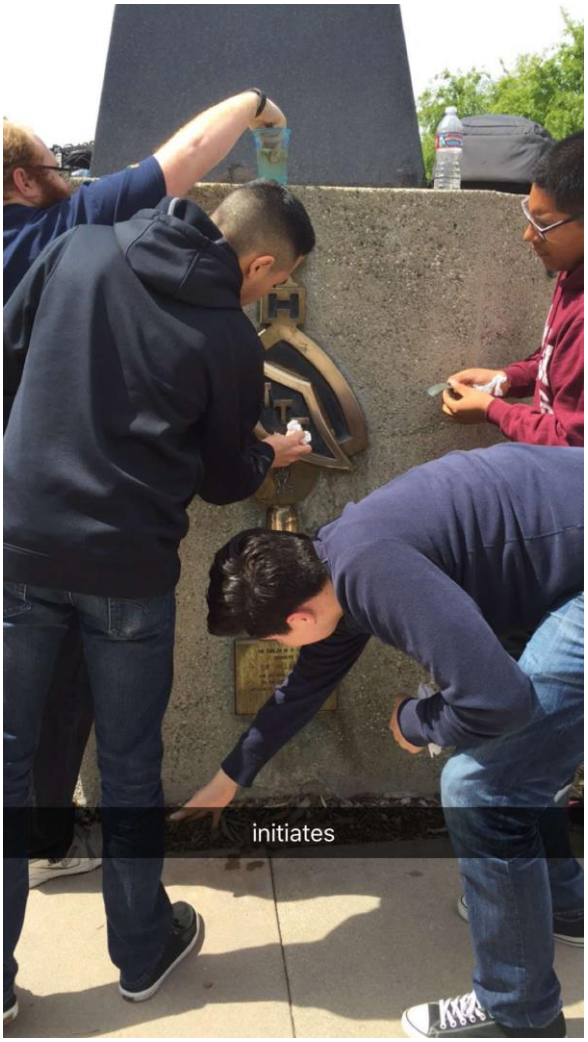
A. Initiations

a. Membership selection, requirements, rituals, and celebration

Our membership selection is based on academic eligibility as defined in the National Bylaws. A formal request is made by our faculty advisor, for a complete list of mechanical engineering students in attendance. The list is then manually sorted by the advisor to ensure that all eligible students are invited for initiation. Previously, an automated list was requested from the University's Enrollment Services Department, however, this method for unforeseen reasons returned an incomplete list of students. The manual sorting method to determine a list of possible new members has proven to be intensely more effective.

Like other honor societies within the College of Engineering, we require a strict list of requirements to be completed. Last year, our founding year of the California Sigma Eta Chapter, a smaller and less demanding list of requirements was required for induction by interested and eligible students. The previous strategy and methodology allowed us to build a strong foundation of members and gain visibility for the future success of Pi Tau Sigma at the Beach. Today, induction and initiation is a stricter and more stringent process, but because of previous efforts, we maintain a high percentage of new inducted members. We believe this approach separates the eligible students and highlights those who not only meet the academic requirements, but who also command the personal and professional qualities that Pi Tau Sigma members exemplify. This way, new members remain active and involved throughout the course of their educational career at California State University, Long Beach. Our requirements to be completed by the predetermined initiation date are exclusively:

1. Pay the initiation fee, the breakdown of which is disclosed.
2. Polish an individual bent. Students are encouraged to periodically seek advice from previously inducted members when working to complete their individual bent. Prior to initiation, students are required to complete a 'sign-off' sheet, where current Pi Tau Sigma Members of the faculty, student members, and officers are required to sign off both the caliber of the polished bent, and also the completion of the other requirements.
3. Polish the main bent on campus. Officers monitor appointments where new members polish the bent for thirty minutes of their day. This activity provides visibility to Pi Tau Sigma, while also providing students with practice and tips to better polish their individual bents on their own.



Spring 2016 Initiates Polishing the Main Bent on Campus

4. Complete four hours of approved community service. This requirement may be completed by participating in provided community service projects or at the Pi Tau Sigma Tutoring Center. Students are encouraged to host new service projects with the partnership of other members and officers.
5. Attend prescheduled initiation ceremony.
6. Participate in a minimum of one social activity. Several activities and events are offered for the members and initiates to get to know one another, and attendance is encouraged at all events.
7. Attend bimonthly meetings as time and schedule permits.

The initiation ceremony is performed according to the National Ritual Manual where the initiates are approved based on requirements and the completion of the individual bent, then led into a classroom for the traditional ceremony. Following the ceremony, current members and officers host a lunch for the new initiates and Honorary Members, following a group photo in front of the main bent.

b. Fall 2016: December 19, 2015

Fall 2015 Initiates and Officers– December 19, 2015

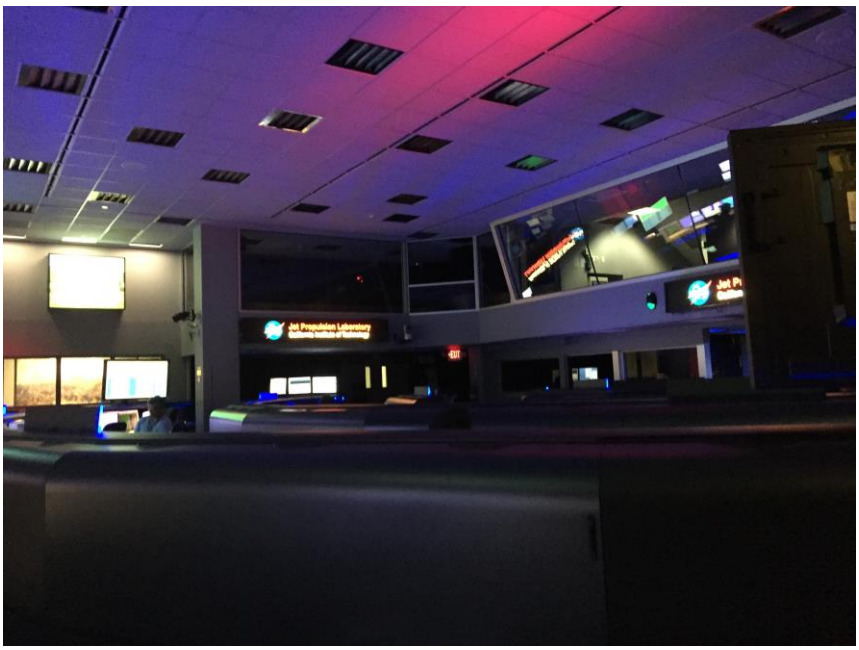
c. Spring 2016: April 23, 2016

Spring 2016 Initiates – April 23, 2016

B. Chapter Activities

a. JPL Open House 2015

Jet Propulsions Laboratory was open to the public in mid-October 2015. Pi Tau Sigma sent out emails to members and initiates urging them to attend this event. Carpool was setup and regrouped inside the gates. As a group, PTS explored the campus and gained some knowledge of JPL's current mission and technology.



JPL's Control Room

Spacecraft Fabrication Facility

b. Campus Events

In Spring 2016, Pi Tau Sigma has co-hosted a bowling event with Tau Beta Pi. All PTS members and initiates as well as all TBP members and initiates come together to socialize through bowling. It was a great experience for officers, members, and initiates to know each other and give helpful advice in the right direction.

Other participation on campus included hosting an event for the College of Engineering's E-week from February 22-26, 2016. Pi Tau Sigma hosted a friendly game of "Humans vs. Zombies" where students within the college attempted to make it through the week without being turned into a zombie. Sadly, it was a lowest turnout with little over 30 participants. Prizes were given at the end of the E-week at the closing ceremony. There were 5 humans who were not eaten throughout the week. They were awarded $5 gift cards.

c. Chapter Meetings

We have maintained holding member meetings monthly throughout the Fall 2015 and Spring 2016 semesters. This method has proven effective to communicate the information regarding updates and events, while we also redirect our meeting to an on or off-campus restaurant to promote societal community and sociability following a short informational meeting. We have maintained high attendance of members at the meetings as we try to accommodate the highest number of students when choosing the meeting date and time at the start of the semester. For the Fall semester, we averaged 16 people at our meetings, while the Spring 2016 semester provided that we maintained an average of 17 students in attendance. For those unable to attend, the minutes from each meeting are emailed to members and available on our chapter's website.

d. Fundraising

Starting this school year, Pi Tau Sigma lost its room and now shares room with 5 other organizations in a small cramped space. Previous years, Pi Tau Sigma raised money through selling snacks and drinks to students. There was no fundraising all year but hopefully that will change this coming year.

Pi Tau Sigma lost its room and everything must be moved out.

e. Industry

Pi Tau Sigma members enjoy the opportunity of networking through fellow student members on campus. While many students work in the industry for mechanical engineering companies and internships, members were exclusively offered the opportunity to apply for select internships and positions within 3 international companies where members worked and interned. Industry professionals recognize and award those students who have exemplified their academic and professional excellence, and have asked members to recommend fellow students for internships and positions. Four students were hired into internships and full time positions because of an internally posted job opening by a current member within the California Sigma Eta Chapter of Pi Tau Sigma.

f. Outreach

Our main outreach effort for Pi Tau Sigma in the past was hosting the first ever Engineering Tutoring Center on campus. This however came to an end when we were relocated to a much smaller room due to an internal matter with the department of engineering at CSULB. We are currently working together with AESB in order to create workshops on certain topics which we can host in order to promote our organization. These workshops will be separated to college level and interlocutory level for high school and middle school students. For the college level workshops we are currently focusing on different types of software which are used in the field such as MATLAB, SOLIDWORKS, Python, and Abaqus. For high school and middle school students we will introduce the basic knowledge of the software, as well as introduce them to field of engineering.

Students partner with ASME to assist SWE with hosting the Women at The Beach Day event annually.

g. Social

The California Sigma Eta Chapter is very concerned with maintaining strong social involvement among its members. We believe sociability and communication are equally important traits for a successful engineer to possess. We bring pizzas to all our general meeting to eat and socialize after the meeting is over. We had our bowling night social event to get connected with other PTS members as well as TBP members. PTS also hosted Humans VS. Zombies during E-week.

C. Other

a. Chapter Voting

Voting is held through the use of a Google Form where each candidate submits a written statement about why he/she will be successful in their chosen running position. Current members have access to the statements and ballot, where the votes are captured electronically and only the current President has access to the results.

b. Chapter Officers and Advisors

i. 2015-2016 Officers

i. Executive Board

President	Emily Hikido
Internal Vice President	Kevin Fujikake
External Vice President	Luis Trejo
Treasurer	Taylor Uyama
Secretary	Alex Norton
AESB Representative	Joaquin Martinez

ii. Committee Chairs

Fundraising Chair	Gustavo Martinez
Industry Chair	Gustavo Martinez
Outreach Chair	Giang Vo
Social Chair	Giang Vo
Webmaster	Alex Norton

ii. 2016-2017 Officers

i. **Executive Board**

President	Luis Trejo
External Vice President	Ralph Climaco
Internal Vice President	Elizabeth Boron-Trotter
Treasurer	Taylor Uyama
Secretary	Chavisa Klunglukchup
AESB Representative	Joaquin Martinez

ii. Committee Chairs*

(Committee Chairs are nominated and voted during the first meeting of the semester)*

c. Graduating Seniors

Louie Aguilar – Design Engineer for Applied Medical
Kevin Fujikake-Seeking employment
Giang Vo- Seeking employment
Emily Hikido- Seeking employment
Tom Lockwood- Manufacturer Engineer at National Oilwell Varco
Roberto Vasquez-Seeking Employment
Bradley Johnson-Seeking Employment
Taylor Stafford-Luis-Seeking employment
Kevin Lee-Engineer for PCC
Jose Fonseca- Seeking employment
Bradley Johnson- Seeking employment
Jakob Brouwer- Seeking employment
Kory Watkins- Seeking employment
Cory Rodriguez- Seeking employment

d. Alumni Association

The California Sigma Eta Alumni Association was founded on May 4, 2011. Since its induction, the society has slowly been gaining members and foundation as graduation terms pass. The purposes of the alumni association are to serve as a support structure for the Chapter, and to serve as a means through which alumni may remain in touch with each

other and with the undergraduates. Plans for the future of the society are to expand the influence to include chapters globally across the United States, to be able to make a greater impact and support many more young professionals. Alumni Association officers are:

i. President: Bill Johns
ii. Vice President: Aaron Arnold
iii. Secretary-Treasurer: Allen Teagle-Hernandez

e. Websites

i. Chapter: http://www.csulbpts.org/

Hosted by Google, contains calendars, contact information, membership roster, announcements, a document archive containing governing codes, meeting minutes and agendas, newsletters, and other topics of interest.

ii. Alumni Association: http://alumni.csulbpts.org/
Also hosted by Google, this site has functionality similar to the Chapter's website, but with less content as it is still under development.

Pi Tau Sigma Polished Main Bent on Campus