Pi Tau Sigma Full Annual Chapter Report
2018 - 2019
Georgia Tech Nu

A. Initiations

The initiation process for the 2018 - 2019 academic year remained relatively unchanged from the previous year. Eligible initiates included the upper quarter of juniors and upper third of seniors by class rank. These students received notification of eligibility from the Vice-President early in the semester and were invited to attend one of two information sessions in the following week. The information sessions conveyed the purpose and ideals of Pi Tau Sigma and also detailed chapter events and student involvement opportunities. Interested students received packets which detailed the following requirements for initiation.

- **Complete at least two mechanical engineering courses**
  This requirement ensures that initiates have made appropriate progress toward completing core curriculum classes within mechanical engineering. It also serves to verify that eligible students have confirmed their interests and are unlikely to change majors.
- **Attend information session**
  Eligible initiates receive important information regarding the initiation process at this meeting. Circumstantial exceptions are made if a student cannot attend; however, that student must schedule a meeting with an officer to receive this information.
- **Obtain two mechanical engineering faculty recommendation signatures**
  No formal recommendation letters are required; however, initiates must receive faculty signatures as an endorsement of their academic excellence and integrity. An underlying function of this requirement is to promote faculty-student engagement and to connect initiates with mentors and possible research advisors.
- **Obtain five Pi Tau Sigma member signatures**
  This item necessitates networking within the organization and promotes camaraderie that ultimately bolsters participation and visibility of the chapter on campus.
- **Pay $70 lifetime dues**
  Initiate dues help to fulfill obligations to the national organization and also fund the initiation dinner and various chapter activities.
- **Polish individual Pi Tau Sigma key**
  Initiates must polish individual keys to the satisfaction of the current executive board members. Initiates show commitment and dedication to the organization through several hours of detailed polishing. The chapter uses this requirement to connect initiates with the student-run Invention Studio which provides all students access to top-of-the-line equipment found in a professional machine shop.
- **Attend one Pi Tau Sigma social event**
  Social events include organized dinners, company sponsored top golf events, company sponsored bowling events, company information sessions, key polishing

gatherings, and other various Pi Tau Sigma sponsored events. These events encourage the formation of fraternal bonds among initiates and current members.

- **Attend one Pi Tau Sigma philanthropy event**
  Philanthropy events include sandwich making and donating to charity events, volunteering at the Pi Tau Sigma Research Fair, volunteering at our Pi Day Mental Health event, and attending 3D printing key chains and laser engraving coasters to give to faculty events.
- **Attend two general meetings**
  Meetings are held on a biweekly basis throughout the semester. Initiates receive information on upcoming events and meet current members through their participation.
- **Present a short self-introduction presentation at a weekly meeting**
  The presentation introduces new initiates to the membership through a discussion of personal interests and goals.
- **Submit a paragraph regarding personal goals within Pi Tau Sigma**
  Initiates are required to think deeply about their involvement and contribution to the organization. Executive board members read the submissions and can identify areas for improvement in the initiation process and ideas for future events.
- **Pass the initiation examination**
  The initiation exam consists of questions regarding the history of Pi Tau Sigma both on a national level and chapter level. Initiates are provided a brief history to study when they receive their initiation packets at the information session.
- **Complete community service (volunteer) project**
  Initiates must volunteer their time to one of several community service projects that aim to develop their understanding of the value of a mechanical engineering degree in society.
- **Attend mandatory initiation ceremony and banquet**
  An initiation ceremony is held each semester during the final week of classes. Formal business attire is required of all participants. The ceremony is conducted by the president and vice-president and includes the reading of the rituals. Following the ceremony, a catered banquet dinner is provided to initiates and officers as well as a guest speaker who addresses all members upon the conclusion of dinner.

The initiation ceremony for the Fall 2018 semester was held on November 26, 2018 and included the induction of 8 members. The initiation ceremony for the Spring 2019 semester was held on April 15, 2019 and included the induction of 14 members. The newly inducted members and officers were addressed by Dr. Kenneth A. Cunefare in the Fall and Dr. Ari Glezer in the spring, both accomplished professors and researchers at Georgia Tech. Dr. Cunefare discussed his journey to becoming a professor at Georgia Tech and talked about his research and passion with GT motorsports. Dr. Glezer gave an in-depth analysis of his flow-control research and the industry applications and implications.

B. Chapter Activities
The following chapter activities are presented in chronological order for the Fall 2018 semester

<u>Fall 2018</u>

Resume Book - All Year

This semester, Pi Tau Sigma continued to build its resume book that is given to potential employers. This was a great way for members to get their resume in the hands of people who were looking for candidates. Members emailed their updated resume, as well as their job interests (full-time, internship, co-op) to the PTS officers.

General Body Meeting I – 8/27/18

Current Pi Tau Sigma Members were introduced to this semester's Executive board and the activities planned out for the semester.

Resume Blitz Volunteer Event - 9/5/18 and 9/6/18

This event was an easy, rewarding way for members to complete their volunteer requirement for the semester. The event took place outside the Invention Studio in the manufacturing related disciplines complex, where PTS members gave peer feedback on resumes of mechanical engineering students. With the Fall Career Fair just around the corner, many students appreciated the last minute critiques before they spoke with employers. A signup sheet was sent out before the first general meeting. Volunteer requirements could be satisfied at this event.

Initiate Meeting Session – 9/5/17 and 9/6/18

Eligible students for initiation were invited to attend an information session about Pi Tau Sigma. Chapter activities were discussed by current officers so that interested students could learn about the organization on a national and chapter level. Initiation packets were distributed to interested students and food was served to all in attendance. Two meetings were held to accommodate students with conflicting schedules.

Executive Meeting - 9/6/18

An executive meeting with this semester's executive team was held to discuss the logistics of events for the semester.

General Body Meeting II - 9/10/18

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Shell was present at the meeting.

Executive Meeting - 9/17/18

An executive meeting with this semester's executive team was held to discuss the logistics of events for the semester.

General Body Meeting III - 9/24/18

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Graduating members could also pick up their stoles and cords. GE Power was present at the meeting.

Executive Meeting - 9/24/18

An executive meeting with this semester's executive team was held to discuss the logistics of events for the semester.

Honor Society Board Social - 10/4/18

Members and initiates went to a social event hosted by the honor society board, which is a board of all honor societies on campus. This counted as a social event. The organization paid for food and non-alcoholic drinks for initiates and members. There were games and food to get everyone to bond with each other.

Rocky Mountain Pizza Night - 10/11/18

Members and initiates went to Rocky Mountain Pizza for dinner. This counted as a social event. The organization paid for food and non-alcoholic drinks for initiates and members.

General Body Meeting IV - 10/15/18

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement.Graduating members could also pick up their stoles and cords. Home Depot was present at this meeting.

Sandwich Making Event - 10/18/18

This is a philanthropy event where members and initiates got together to make sandwiches for food donation. More than 100 sandwiches were made, catering to both vegetarians and non vegetarians, and they were donated.

ME Schedule Event - 10/23/18

This is a philanthropy event where members helped out initiates and other ME students schedule their classes for Spring 2018. This was a good platform to answer all questions that students had and a great opportunity to help out our fellow students.

General Body Meeting V - 10/29/18

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Graduating members could also pick up their stoles and cords.

S'mores Night - 10/30/2018

This is a social event where initiates and members met up on west campus to have some delicious s'mores together and get to know each other.

Initiation Examination and Bent Judging – 11/5/18

Initiates were required to attend this meeting and pass an initiation examination administered by the current officers. Initiates submitted completed initiation packets as well as

their polished keys for judging. The current officers judged the keys and determined which of the keys were deemed acceptable. Initiates who had satisfactorily completed all of the initiation requirements were notified and invited to attend the initiation ceremony.

Machining Event at Invention Studio - 11/7/18

This is a philanthropy event where members and initiates took a tour of the Invention Studio, located in MRDC on Georgia Tech's campus. Members and Initiated learned laser cutting and laser cutted coasters which were distributed to the ME faculty as gratitude for their service.

General Elections – 11/12/18

Elections were held for all Spring 2018 positions. Current or newly initiated members filled all positions.

Fall Initiation Ceremony and Banquet – 11/26/18

Initiates who had completed all requirements for membership were required to attend an initiation ceremony held at the Georgia Tech Hotel and Conference Center. Dr. Kenneth A. Cunefare was the keynote speaker and provided insights on careers in Mechanical Engineering, along with his research.

Research Fair - 11/28/18

The exec board decided to start hosting a signature event for Pi Tau Sigma which will be held every semester. We decided to host a research fair for ME students as it is currently quite hard for undergraduate students to get research since there is no proper platform for them to interact with professors and graduate students who require research assistants. More than 15 professors sent their graduate students to this event. We had a huge turnout from students for this event. This counted as a philanthropy event for those who helped in the setting up or tearing down of the event.

Officer Turnover Meeting – 12/1/18

A meeting was planned for all current and future officers to meet and share lessons learned and ideas for improvements the following semester. Formal documents were transferred to the new officers for their use.

Spring 2019

Executive Meeting - 1/14/2019, 1/22, 2/04, 2/18, 3/04, 3/18, 4/01
An executive meeting with this semester's executive team was held to discuss the logistics of events for the semester.

General Body Meeting I – 1/28/2019
Current Pi Tau Sigma Members were introduced to this semester's Executive board and the activities planned out for the semester.

Initiate Meeting Session – 1/23/2019 and 1/24/2019
Eligible students for initiation were invited to attend an information session about Pi Tau Sigma. Chapter activities were discussed by current officers so that interested students could learn about the organization on a national and chapter level. Initiation packets were distributed to interested students and food was served to all in attendance. Two meetings were held to accommodate students with conflicting schedules.

Rocky Mountain Pizza Night - 1/31/2019
Members and initiates went to Rocky Mountain Pizza for dinner. This counted as a social event. The organization paid for food and non-alcoholic drinks for initiates and members.

General Body Meeting II - 2/11/2019
Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Shell was present at the meeting. Pratt & Whitney held an information session and took resumes of our members after the meeting.

Bent Polishing Event - 2/12/2019 & 2/26/2019
This is a social event where initiates and members met up on west campus to have some delicious s'mores together and get to know each other.

General Body Meeting III - 2/25/2019
Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Graduating members could also pick up their stoles and cords. Eaton Corporation sponsored this event with Jimmy John's and hosted an information session for our members.

3D Printing Event @ Invention Studio - 2/28/19
This is a philanthropy event where members and initiates took a tour of the Invention Studio, located in MRDC on Georgia Tech's campus. Members and Initiates learned how to operate 3D printers. We printed keychains which were distributed to the ME faculty as gratitude for their service.

General Body Meeting IV - 3/11/2019

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement.Graduating members could also pick up their stoles and cords. GE Power sponsored this meeting with a Moe's taco bar and held an information session for our members

Pi Day Mental Health Awareness- 3/14/2019

For Pi Day, Pi Tau Sigma volunteers set up a booth on the Georgia Tech lawn and let people "Pi" us in the face with plates of whipped cream. This was a fun way to give students an opportunity to destress, laugh, and smile as a part of mental health awareness event.

Initiation Examination and Bent Judging – 3/25/2019

Initiates were required to attend this meeting and pass an initiation examination administered by the current officers. Initiates submitted completed initiation packets as well as their polished keys for judging. The current officers judged the keys and determined which of the keys were deemed acceptable. Initiates who had satisfactorily completed all of the initiation requirements were notified and invited to attend the initiation ceremony.

General Body Meeting V - 3/25/2019

Upcoming events and reminders were highlighted at this time. Initiates also could make their self introduction presentation to complete a initiation requirement. Graduating members could also pick up their stoles and cords.

Laser Engraving Event @ Invention Studio - 2/28/19

This is a philanthropy event where members and initiates took a tour of the Invention Studio, located in MRDC on Georgia Tech's campus. Members and Initiates learned how to operate laser engraving machines. We cut and engraved over 30 coasters which were distributed to the ME faculty as gratitude for their service.

GE Power Bowling Social – 3/26/2019

GE Power sponsored a bowling social in the Georgia Tech Student Center. It was a great way to learn about the company, meet some engineering representatives and make some great networking connections.

Shell Sandwich Making Event - 4/03/2019

This is a philanthropy event where members and initiates got together to make sandwiches for food donation. About 100 sandwiches were made and donated to a local homeless shelter. Shell sponsored the event and had a representative their for networking.

Shell Topgolf Social - 4/03/2019

Shell sponsored this awesome social event. Representatives took a group of about 15 members and initiates to play a few rounds and eat at Topgolf.

General Elections – 4/08/2019

Elections were held for all Spring 2018 positions. Current or newly initiated members filled all positions.

Fall Initiation Ceremony and Banquet – 4/15/2019

Initiates who had completed all requirements for membership were required to attend an initiation ceremony held at the Georgia Tech Hotel and Conference Center. Dr. Ari Glezer was the keynote speaker and provided insights into fluid flow control in his research as well as in industry.

Research Fair - 4/02/2019

The exec board decided to start hosting a signature event for Pi Tau Sigma which will be held every semester. We decided to host a research fair for ME students as it is currently quite hard for undergraduate students to get research since there is no proper platform for them to interact with professors and graduate students who require research assistants. More than 15 professors sent their graduate students to this event. We had a more than 80 students show up to this event. This counted as a philanthropy event for those who helped in the setting up or tearing down of the event.

Officer Turnover Meeting – 2/24/2019

A meeting was planned for all current and future officers to meet and share lessons learned and ideas for improvements the following semester. Formal documents were transferred to the new officers for their use.

C. Other

All information regarding the chapter for the Fall 2018 academic semester has been previously noted in this report.