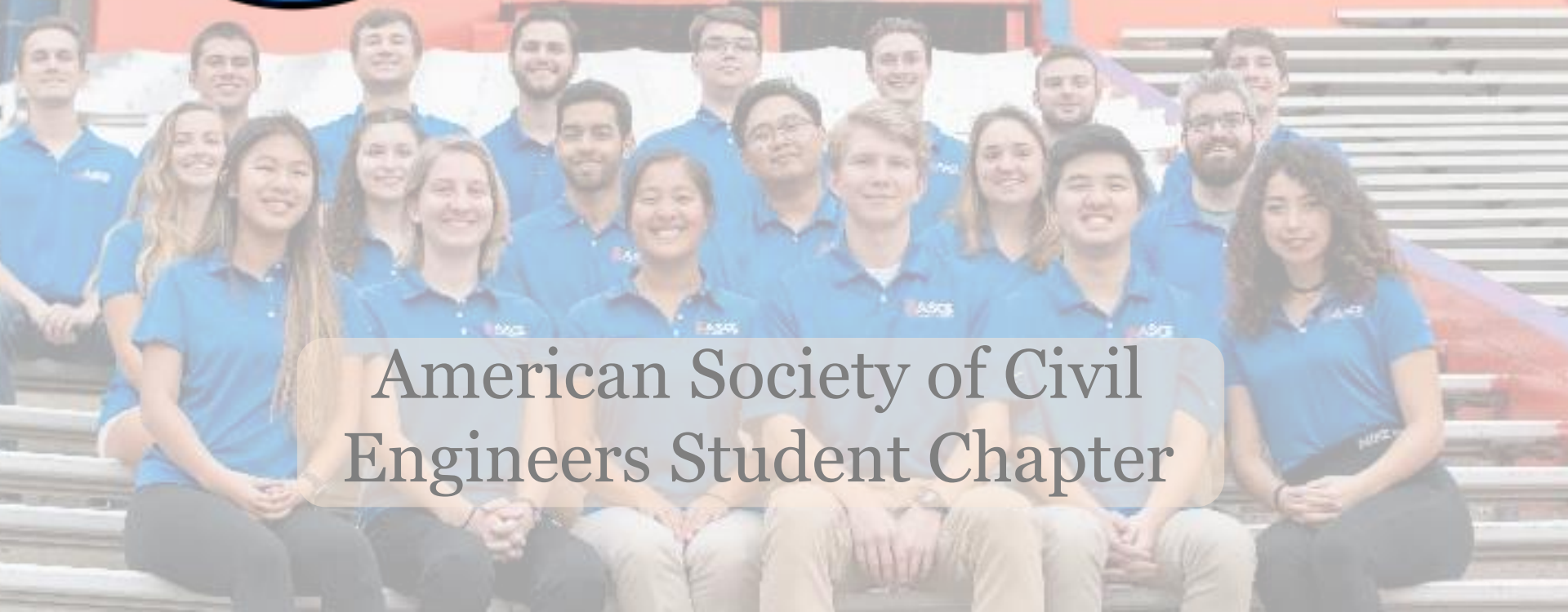


THE SWAMP



University of Florida 2019 Annual Report



American Society of Civil
Engineers Student Chapter



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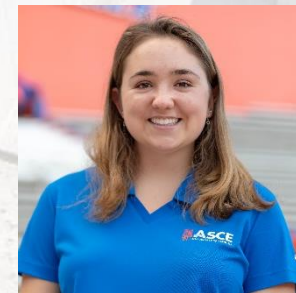
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Fall 2019 Executive Board



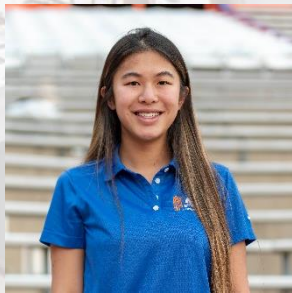
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“Our mission is to utilize the engineering knowledge gained in the classroom to promote a spirit of healthy competition, life-long friendships, community involvement, and professional development. In doing so, we expand technical skills, professionalism, and relationships to enhance our futures as Gator Engineers.”

Financial Summary

- Dues: \$20 (One time flat fee for all years in UF undergrad)
- As of December 31, 2019:



Total Income **\$28,786.77**



Total Expenses **\$20,749.84**

Cash Balance = \$8036.93

Accounts Receivable

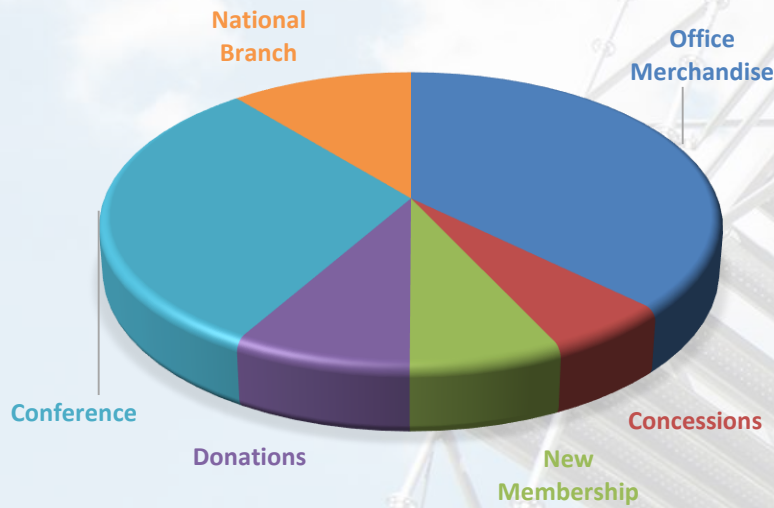
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N/A

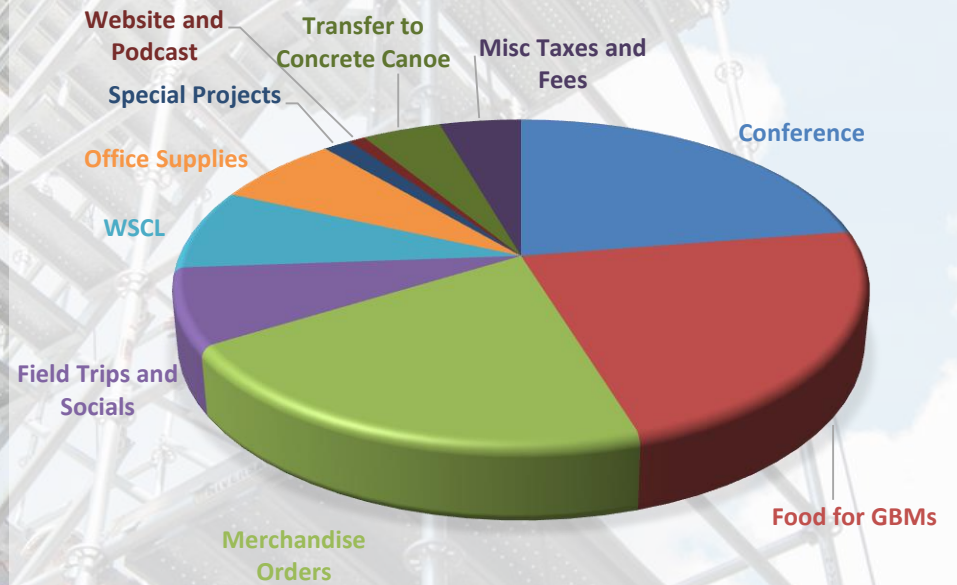
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Financial Summary

INCOME



EXPENSES



Goals and Objectives

1. Increase Members Signed Up for National Membership
2. Create the Inaugural UF ASCE Golf Tournament
3. Recruit Students to Join as New Members

Increase Members Signed Up for National Membership

Purpose: After a decrease in the national membership percentage last year, UF ASCE made it a priority to encourage members to sign up for a National ASCE membership in 2019.

Action Plan: Our secretary and office managers worked on streamlining the process to receive a national membership by encouraging all new members to create an account simultaneously to buying the Student Society membership. We also encouraged members to sign up for this by creating an extra discount in our merchandise office, allowing national members to save an additional 10% on purchases such as engineering paper and portfolios.

- End of 2018: 38%
- Goal by End of 2019: 50%
- End of 2019: 59.8%
 - Result (%): 120%

The chapter excelled in achieving this goal through the various methods implemented.

For the Future: Moving into the next year, we hope to continue to register most of our new members into the National ASCE membership as they join our Student society. We strive to continue this trend in the following year.

Create the Inaugural UF ASCE Golf Tournament

Purpose: In order to encourage economic sustainability, our UF ASCE Chapter decided to innovate a new fundraising event, a golf tournament. Companies paid to play in the tournament where they played 18 holes at Haile Plantation Golf and Country Club while paired with some skilled UF ASCE members on their golf teams.

Action Plan: Led by the President and an advisor, the golf tournament planning continued over the course of months prior to November. It included reaching out to engineering companies to participate, local companies for gift cards, and ASCE members to volunteer throughout the event. Also, logistics and scheduling had to be coordinated for the day of.

- Goal by End of 2019: Fundraise approximately \$10,000; Involve 50 students
- End of 2019: \$12,650; 27 students (22 volunteers, 5 golfers)
 - Result (%): 126.5%; 54%

Without a previous benchmark, this event surpassed the initial plans of our organization in terms of financial benefit, although it did fall short in the number of people involved. This lack came purely from lack of jobs for people to run.

For the Future: The golf tournament is on track to become an annual event for UF ASCE. We plan to innovate based off of feedback from participants in the golf tournament and hopefully provide more opportunity for volunteers and professionals to network and socialize. We also hope to optimize the course order and prizes.

Recruit Students to Join as New Members

Purpose: As a chapter, UF ASCE strives to create a welcoming and supporting environment that fosters professional and social growth for its members. With this attitude, the chapter seeks out new members to continue these values.

Action Plan: To introduce what ASCE is to a variety of students in the department, the chapter tabled at university Involvement Fairs, presented the civil engineering portion of the Intro to Engineering course (EGS 1006), and posted flyers and promotional materials for upcoming events. These methods were chosen to improve targeted marketing and to interested students on campus.

- End of 2018: 79 New Members
- Goal by End of 2019: 75 New Members
- End of 2019: 52 New Members
 - Result (%): 69.3%

Based off of tracked membership, UF ASCE can search the number of members who register in a year. Although the chapter did not reach our targeted benchmark for new registered members in 2019, we did have over 50 members sign up to join the organization, most of which are younger students or transfer students.

For the Future: UF ASCE will focus on creating events targeted to help new members integrate into the organization by meeting other members early on. We will also work to improve our promotional materials and methods in reaching engineering students in the department.

Membership Statistics

- 168 members
- 59.5% ASCE National Society-level members
- 100% of members are Society-level members (Society-level/total members)
- 132 members with Junior and Senior status
- 250 Juniors and Seniors eligible to join ASCE (CE declared majors)
- 52.8% of eligible Juniors and Seniors that are members (Jr&Sr members / Jr&Sr eligible)

Meeting Statistics

- 9 professional meetings with an invited speaker
- 2 meetings with student presentations and/or paper(s) presented
- 1 professional licensure meetings and/or ethics topics presented
- 4 field trips
- 35 social functions
- 12 members that attended Section/Branch meetings
- 0 that attended Younger Members meetings

General Body Meeting – RS&H

- *January 16, 2019*
- *72 Student Attendees*
- *Event Type: PM*
- *Speaker: RS&H*

Kicking off our Spring 2019 semester, UF ASCE hosted RS&H to speak about their work including transportation and aviation. This engaging speaker brought in one of our highest attendances.

As our general body meetings (GBMs) normally begin, the members participate in an icebreaker social activity followed by industry presentation. Lastly, the e-board presents the upcoming events and opportunity for members to get involved.



General Body Meeting – Walter P. Moore

- *April 3, 2019*
- *61 Student Attendees*
- *Event Type: PM*
- *Speaker: Walter P. Moore*

Towards the end of the spring semester, students gathered at our second to last general body meeting to hear from Walter P. Moore on their industry contributions and speak to their professionals. While eating some well-deserved pizza, students also heard the final updates on remaining events in the semester.

Members also nominated students for Executive board positions so nominees could prepare speeches for elections next meeting.

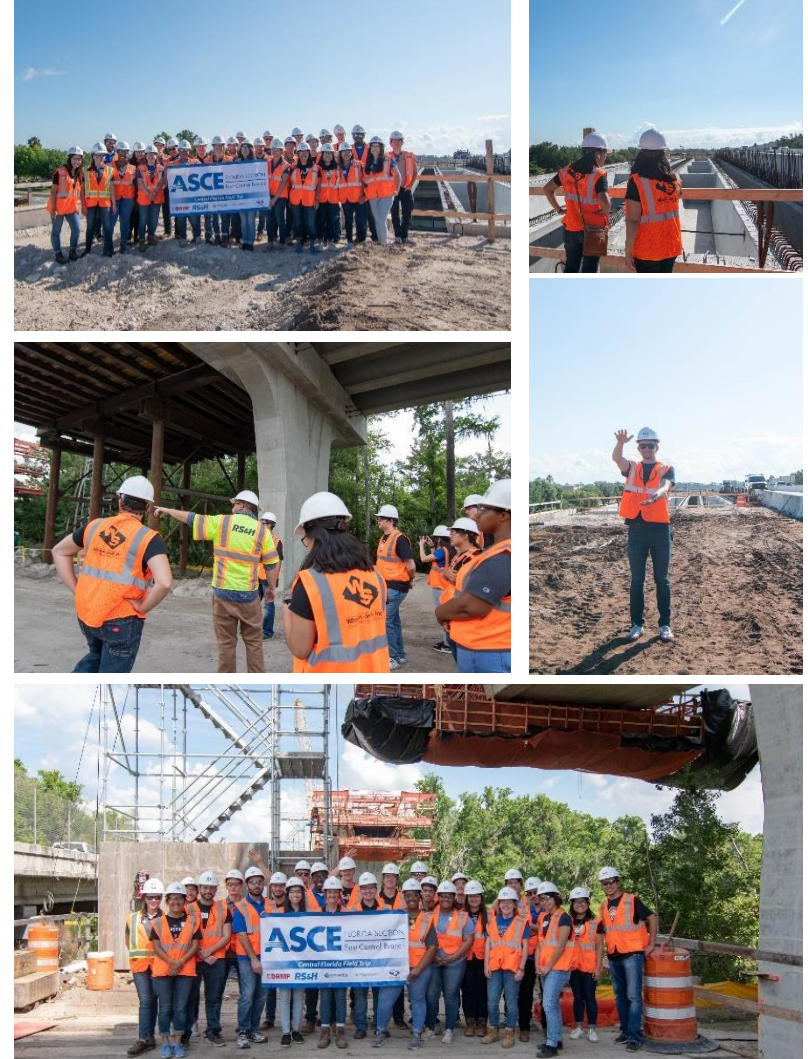


Central Florida Field Trip

- *April 12, 2019*
- *10 Student Attendees*
- *Event Type: FT*

Hosted by the ASCE East Central Branch, students from across the state gathered in Orlando to see four construction sites up close. The agenda included three impressive sites including a Universal Hotel Project 801 and the Wekiva Parkway Section 6.

This insightful trip provided students first-hand viewing of the projects that civil engineers work on in industry, as well as the vast impact these projects make for society's functionality.



Family Feud

- *April 14, 2019*
- *26 Student Attendees*
- *Event Type: SF*

In a face off between our four families in the Foundation Families mentorship program, members competed on their team in the classic game show Family Feud.

Using an online generated version of the game, each player wore their team color and answered the best responses to surveyed questions. This event provided a beneficial bonding opportunities for each of the families, and everyone to have some great laughs together.



General Body Meeting – Spring Elections

- *April 17, 2019*
- *49 Student Attendees*
- *Event Type: SF*

UF ASCE tried a new rewards system, giving raffle tickets for attendance leading up to the last meeting, or elections meeting, to grant members with small prizes like gift cards.

In addition, members can listen to speeches and elect the incoming Executive Board for the Fall 2019 semester.



General Body Meeting – Chen Moore & Associates

- *August 28, 2019*
- *75 Student Attendees*
- *Event Type: PM*

Beginning the Fall semester of 2019, Chen Moore & Associates spoke at the first GBM. Members engaged in a social icebreaker, followed by Peter Moore's presentation about his career and his motivations. Lastly, the e-board informed everyone of upcoming events.

New and returning members interacted and began to make connections with one another while also developing industry connections and knowledge.



New Member Bowling Social

- *September 5, 2019*
- *19 Student Attendees*
- *Event Type: SF*

Aligned with our goal of recruiting new members, UF ASCE aimed to host some events targeted at In efforts to provide a welcoming and friendly way for potential new members to meet current UF ASCE members, our chapter hosted a bowling social at the Reitz Student Union.

Players showed off their bowling skills while chatting in between frames. Building bonds together, members had a blast at this social.



General Body Meeting – FR Aleman

- September 25, 2019
- 54 Student Attendees
- Event Type: PM
- Speaker: FR Aleman

Prior to starting the 3rd GBM, members who sign up to join Foundation Families finally meet their mentor and family members. This program attracts most of our chapter's most involved members. Reveal serves as an exciting experience for newly joining members to meet their "family."

The GBM continued with a presentation from FR Aleman, a Hispanic-women owned consulting engineering and surveying firm specialized in traffic synchronization. Additionally, Gift of Life offered members to join the national organ donation registry.



Pumpkin Carving Social

- *October 30, 2019*
- *18 Student Attendees*
- *Event Type: SF*

UF ASCE annually hosts a pumpkin carving social to parallel the Halloween spirit of October. With some snacks, carving tools, and many pumpkins to carve, members brainstorm and find their best designs to create and make their masterpiece come to life.

This event serves as a creative release and hands on activity to help members relax from exam stress and focus on socializing with friends. Members embrace their artistic talents and have a great time carving their pumpkins.





UF ASCE Golf Tournament

- *November 8, 2019*
- *27 Student Attendees*
- *Event Type: SF*

UF ASCE hosted our inaugural golf tournament at Halie Plantation Golf and Country Club for 52 participants. Organized throughout the year, this event plays a significant new role for creating a sustainable fundraising source for our chapter as well as improve our professional relations in industry.

The day included a full 18-hole course, catered food, and grand prizes based on scores and techniques. With the help of 22 volunteers, the event succeeded in uniting professionals with members from the UF ASCE chapter.



Argos Cement Plant Field Trip

- *November 15, 2019*
- *7 Student Attendees*
- *Event Type: FT*

Members went on a facility plant tour with Argos in Newberry, Florida. Clad in proper protective gear, our field trip started with presentations on safety throughout the facility and the process of making a variety of cements. Employees then guided our group around the lot to their materials, kiln, and storage units. To conclude, we saw the facilities control tower where oversight of the facility occurs, ensuring its safety and efficiency.



The students were amazed at the facility's size and the amount of cement the plant produces yearly. Our members asked numerous questions throughout the tour and were enthralled with the whole cement making process.

Smash-a-Canoe Field Day

- *November 17, 2019*
- *30 Student Attendees*
- *Event Type: SF*

UF ASCE spent a day out at Lake Wauburg; Smash-a-Canoe Field Day allows members to use a sledgehammer to hit a canoe, using proper safety protection. In order to free storage space at the lake, we have fun with one of the retired canoes no longer used by the Concrete Canoe team.

A \$5 fee provided lunch and the other supplies necessary, such as utensils and games. Students also played volleyball, cornhole, and paddled on the lake.



Friendsgiving Potluck

- *November 22, 2019*
- *33 Student Attendees*
- *Event Type: SF*

In the season of giving, before leaving for Thanksgiving Break, ASCE members enjoyed a Friendsgiving Potluck. This food-filled event provided members a great time to socialize and relax from the looming stress of final exams.

Members reflected upon all they are grateful for and how ASCE has helped them individually from social networking and academic support. This event helped remind us to be grateful for one another as we work through the difficulties of college.



Special Projects: Campus Clean Ups

Goals: In order to promote a clean environment around the Gainesville community and our campus, UF ASCE made it a goal to host a semesterly clean up. This service project coordinated with members and planned to make the experience a social bonding experience while serving the community. Many new members attended these events, helping parallel Goal 3 of recruiting new members into our organization.

Events and Dates:

- Great Invader Raider Rally – January 19th
- Lake Alice – November 10th

Engineering Components: In order to prepare for these events, chairs searched for sites in the community that were heavily contaminated. The events had members break into groups to encourage team collaboration; groups had to decipher landfill waste from recyclables with instructions given by the event chairs.

Special Projects: Campus Clean Ups

Project Impact: This hands-on event helps teach our members more about environmental awareness and the importance of caring for the environment. We work to encourage proper waste disposal, since recycling is often not processable due to contaminating materials. Besides membership bonding, educating our members plays a large role in shaping responsible engineers and conscious citizens for the future. As an organization, we hope these events will begin a tradition of going green and working to improve our environmental efforts.

Participation:

- Students in Attendance: 24
- Students in Involved in Planning: 21
- Faculty and Practitioner Advisors Involved: 0
- Total Person-Hours Spent: 26

Special Projects: Girl Scout Badge Day

Goals: UF ASCE revitalized our Girl Scout Badge Day to introduce local youth to the field of civil engineering and to provide an exciting, interactive, and informative event that will hopefully motivate girls to join STEM fields.

Date: March 16th, 2019

Engineering Components: The event chairs spent many of hours emailing professors to speak to the student attendees about their respective specialties. Guest lecturers include Dr. Mohseni, a soil mechanics professor, and Dr. Newman, a water resources professor. After lunch, the group began the civil engineering challenge: to build a bridge over a theoretical river. The students were provided the basics necessary to complete the challenge of maneuvering a remote control car across the bridge safely.

Special Projects: Girl Scout Badge Day

Project Impact:

The students heard presentations catered to their age and level of education. We hope to open young people's eyes to their options of entering the STEM field in their future career. The hands-on activity engages the students to learn creativity thinking and problem solving skills. Additionally, for longevity, we aimed to provide a strong connection with local troops and students to create long term connections for future years.

Participation:

- Students in Attendance: 6
- Members in Volunteering or Involved in Planning: 35
- Percent Involved: 20.8% (35/168)
- Faculty and Practitioner Advisors Involved: 3
- Total Person-Hours Spent: 51

Leadership Development

Workshop for Student Chapter Leaders

Orlando, FL

January 24th – 26th 2019

- 6 student attendees

This conference helps ASCE student chapters from across the United States share ideas about how to better their chapters. Students discuss planning events, improving professional relations, and how ASCE nationally can help the students. Topics also include recruitment, leadership skills, and communication.



Student Conference

ASCE Southeast Student Conference

Knoxville, TN

March 28th – 31st 2019

- **66** students attended
- Competed in 16 competitions, 5 of which were at the national level
- **2nd Overall** in 2019 ASCE Southeast Student Conference
- **1st** in 2019 Concrete Canoe Southeast Student Conference



National Conference

National Concrete Canoe Conference

Melbourne, FL

June 5th – 8th 2019

- **24** students and **2** advisors that attended
- **1st** in 2019 National Concrete Canoe Conference
 - 2nd in Final Product
 - 1st in Oral Presentation
 - 1st in Design Paper





2019 Awards Summary

- **2019 Gator Engineering Student Society Recognition Award for Excellence**
- **2019 ASCE Student Chapter Honorable Mention for Annual Report**
- **2019 ASCE Southeast Student Conference, 2nd Overall**
- **2019 National Concrete Canoe Competition, 1st Overall**

Year In Review

- **Achievements:**

- Family Feud game show Foundation Families social
- Inaugural Golf Tournament
- 2nd Place at Southeast Regional Conference
- 1st Place in the National Concrete Canoe Competition

- **Continued Goals:**

- Improve upon retaining and engaging members throughout the semester
- Connect more with the Gainesville Branch

