

THE UNIVERSITY OF FLORIDA

2018 Annual Report for the American Society of Civil Engineers Student Chapter



CONTACT INFORMATION

Mailing address:

UF ASCE Chapter, PO Box 116580, University of Florida,
Gainesville, FL 32611

Email Addresses:

Primary: asce@ce.ufl.edu

Concrete Canoe: concretecanoeufl@gmail.com

Steel Bridge: ufasce.steelbridge@gmail.com

Social Media:

Website: www.gatorasce.com

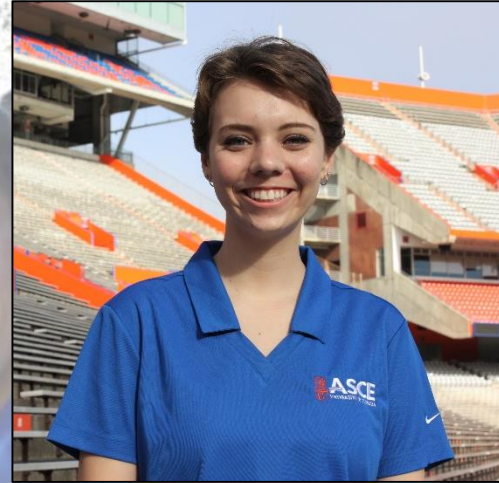
Facebook: <https://www.facebook.com/ufasce>

Instagram: www.instagram.com/ufasce

STUDENT OFFICERS SPRING 2018



President
Christine Pu
cpu707@ufl.edu



**Vice President of
External Affairs**
Hannah Dawley
hdawley@ufl.edu



**Vice President of
Internal Affairs**
Richard Brown
brownr4@ufl.edu



Secretary
Joachim Dagting
dagtingjoachim@ufl.edu

STUDENT OFFICERS SPRING 2018



Historian
Matthew Knight
mrknight@ufl.edu



Treasurer
Chelsea Maly
cmaly@ufl.edu



Concrete Canoe
Thomas Lutza
lutzat@ufl.edu



Concrete Canoe
Nathan O'Donnell
nodonnell8@ufl.edu

STUDENT OFFICERS SPRING 2018



Steel Bridge
Vincent Barraco
vbarraco@ufl.edu



Conference
Monica Waid
monicawaid@ufl.edu



Concessions
Emma Dietrich
egdietrich@ufl.edu



Concessions
Ricardo Aleman
ricardo.aleman@ufl.edu

STUDENT OFFICERS SPRING 2018



Community Service
Alexander Rhode
aerhode@ufl.edu



Community Service
Sophia Semensky
sophiasem@ufl.edu



Foundation Families
Emily Starkey
emstarkey@ufl.edu



Foundation Families
Shannon Scolforo
sscolforo@ufl.edu

STUDENT OFFICERS SPRING 2018



Special Projects
Caroline Armstrong
carmstrong@ufl.edu



Special Projects
Daniel Ruiz
darure7@ufl.edu



Recruitment
Jaylen Reinhart
jaylenreinhart@ufl.edu



Public Relations
Kyle Eikenberry
klyeikenberry@ufl.edu

STUDENT OFFICERS SPRING 2018



Marketing
Jeyleen Silfa Salas
jesilsa@ufl.edu



Food & Banquet
Ryan Owens
rowens6@ufl.edu



Intramurals
Leonel Rodriguez
leonelirodriguez@ufl.edu



Office Manager
Christopher Davidson
cdavidson714@ufl.edu

STUDENT OFFICERS FALL 2018



President
Mary Sullivan
maryksullivan@ufl.edu



**Vice President of
External Affairs**
Nathan O'Donnell
nodonnell8@ufl.edu



**Vice President of
Internal Affairs**
Emma Dietrich
egdietrich@ufl.edu



Secretary
David Kuehn
davidkuehn@ufl.edu

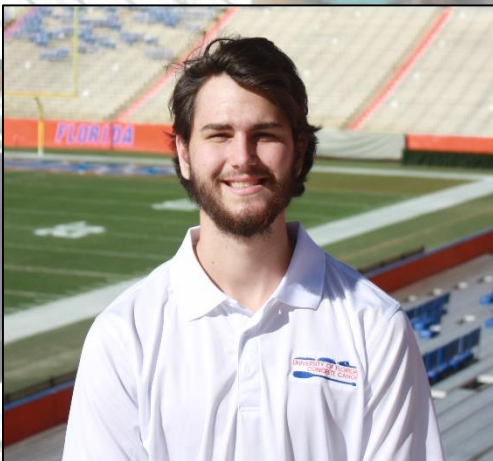
STUDENT OFFICERS FALL 2018



Treasurer
Chelsea Maly
cmaly@ufl.edu



Historian
Matthew Knight
mrknight@ufl.edu



Concrete Canoe
Maitland Melnyk
maitland.melnyk@ufl.edu



Concrete Canoe
Ryan Telemko
rtelemko@ufl.edu

STUDENT OFFICERS FALL 2018



Steel Bridge
Cory Salt
corysalt@ufl.edu



Steel Bridge
Ryan du Chanois
rduchanois@ufl.edu



Treasurer-Elect
Alexander Rhode
aerhode@ufl.edu



Recruitment
Jake Baumel
baumelj@ufl.edu

STUDENT OFFICERS FALL 2018



Community Service

Jaylen Reinhart

jaylenreinhart@ufl.edu



Community Service

Valery Serpas

valerybonar@ufl.edu



Conference

Thomas Lutza

lutzat@ufl.edu



Conference

Richard Brown

brownr4@ufl.edu

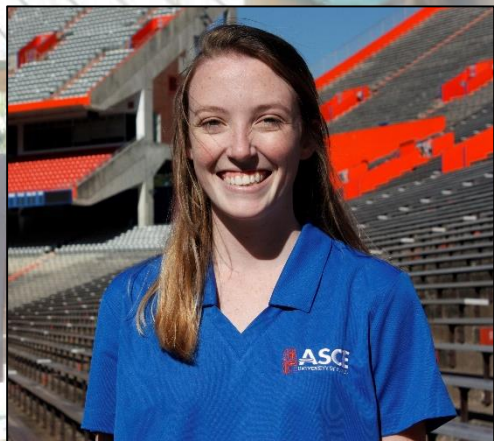
STUDENT OFFICERS FALL 2018



Special Projects
Sophia Semensky
sophiasem@ufl.edu



Special Projects
Ricardo Aleman
ricardo.aleman@ufl.edu



Foundation Families
Shannon Scolforo
sscolforo@ufl.edu



Foundation Families
Tia Lubbers
tlubbers@ufl.edu

STUDENT OFFICERS FALL 2018



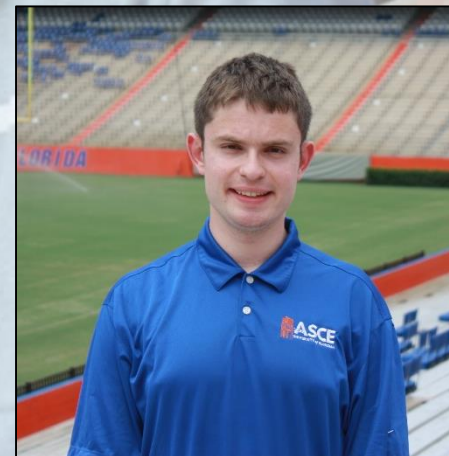
Food & Banquet
Ryan Owens
rowens6@ufl.edu



Public Relations
Alejandra Duarte
ale.duarte@ufl.edu



Engage Coordinator
Christian Gamit
chrisga8@ufl.edu



Office Manager
William Tillman
w.tillman@ufl.edu

STUDENT OFFICERS FALL 2018

Intramurals

Mariana Caballero

marianacaballero@ufl.edu



ADVISORS



Practitioner Advisor
Rachel Haeseler, P.E.
haeselerra@gru.com



Practitioner Advisor
Keith Butts, P.E.
kbutts@uesorl.com



Faculty Advisor
Mark Newman, Ph.D., P.E.
markn@ufl.edu



FINANCIAL SUMMARY

Dues

\$20 One Time Membership Fee

As of December 31, 2018

Total Income	\$36,092
Total Expenditures	\$32,297
Cash Balance	\$3,795
Accounts Receivable	0
Accounts Payable	0

MISSION STATEMENT



"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."

GOALS AND OBJECTIVES

- ***Goal 1:*** Remain as a financially stable organization and end the year with \$3,000 in profit
- ***Goal 2:*** Host the ASCE Southeast Regional Conference and stay under the initially proposed budget.
- ***Goal 3:*** Increase national membership percentage from the previous year by 5%.

GOAL 1: REMAIN AS A FINANCIALLY STABLE ORGANIZATION AND END THE YEAR WITH \$3,000 IN PROFIT

Considering the large size of our student chapter, one of our key responsibilities is to be organized in everything that we partake in and track our spending/income. In order to accomplish this, \$3,000 was chosen as our target financial balance because we acknowledged that hosting conference had the potential to greatly lower our balance this year when compared to last year's balance.

Action Plan

- Kept detailed and updated records of income and expenses within the student chapter
- Our Treasurer emphasized the importance of saving money whenever monetary discussions opened up at executive board meetings.

Assessment

- Target balance: \$3,000
- Actual balance: \$3,795
- Successful; 126.5% more than the target balance

Follow-Up Plans

- Treasurer-elect was established to allow a student to get an in-depth look into the Treasurer position before taking over the role in 2019
- Continue to keep good records of income and expenses

GOAL 2: HOST THE ASCE SOUTHEAST REGIONAL CONFERENCE AND STAY UNDER THE INITIALLY PROPOSED BUDGET.

The largest and most important event of the 2018 calendar year for our chapter was hosting the ASCE Southeast Regional Conference. Because of this, it was extremely important to stay within our initial budget and execute everything as planned. Not only was this achieved, our chapter also established the overall theme concept for future conferences.

Action Plan

- Conference committees were established back in 2017 to handle different aspects of the three-day event.
- Fundraising was executed by reaching out to previously contacted companies as well as running concession stands throughout the year prior to the event.

Follow-Up Plans

- N/A

Assessment

- Initial budget: \$140,229.75
- Amount spent: \$116,880.39
- Successful; 83.3% of initial budget was used
- 27 universities attended
- 950 student competitors
- 111 volunteers
- 79 judges
- 8 venues



GOAL 3: INCREASE NATIONAL MEMBERSHIP PERCENTAGE FROM THE PREVIOUS YEAR BY 5%

National ASCE member registration is considered a top priority by the University of Florida ASCE Student Chapter. Not only does a high national membership percentage reflect well on student chapters, it also sets up current college students to continue their ASCE involvement after graduation.

Action Plan

- The 2017 national membership percentage was 53%. Therefore our goal for this year was 58%.
- Encourage new members to register by providing them with the necessary steps upon signing up with our club.
- Keep track of our national membership percentage using our membership database.

Assessment

- 2017 national membership percentage: 58%
- 2018 national membership percentage: 38%
- Unsuccessful; 20% overall decrease.

Follow-Up Plans

- One glaring problem with this goal is that our online membership database logs those with/without a national member number, but there are students in the database that are registered but it is not shown in the database. Therefore we need to strive to keep our database updated regularly to avoid this problem.
- Send emails to the club listserv with detailed instructions to register. This should help us locate older members who never registered before we emphasized it.

MEMBERSHIP STATISTICS

- 404 members.
- 154 ASCE National Society-level members.
- 38% of members are Society-level members (Society-level/total members).
- 314 members with Junior and Senior status.
- 472 Juniors and Seniors eligible to join ASCE (CE declared majors).
- 67% of eligible Juniors and Seniors that are members (Jr&Sr members / Jr&Sr eligible).

MEETING STATISTICS

- 12 professional meetings with an invited speaker.
- 2 meetings with student presentations and/or paper(s) presented.
- 0 professional licensure meetings and/or ethics topics presented.
- 3 field trips.
- 39 social functions.



1st SPRING GENERAL BODY MEETING

January 17th
63 students

Starting in 2018 our chapter began a new structure for our general body meetings. The meetings still kick off with a quick icebreaker activity, but afterward the featured company now presents before our executive board gives updates. This was done to encourage students to stay for the entire duration of each meeting.

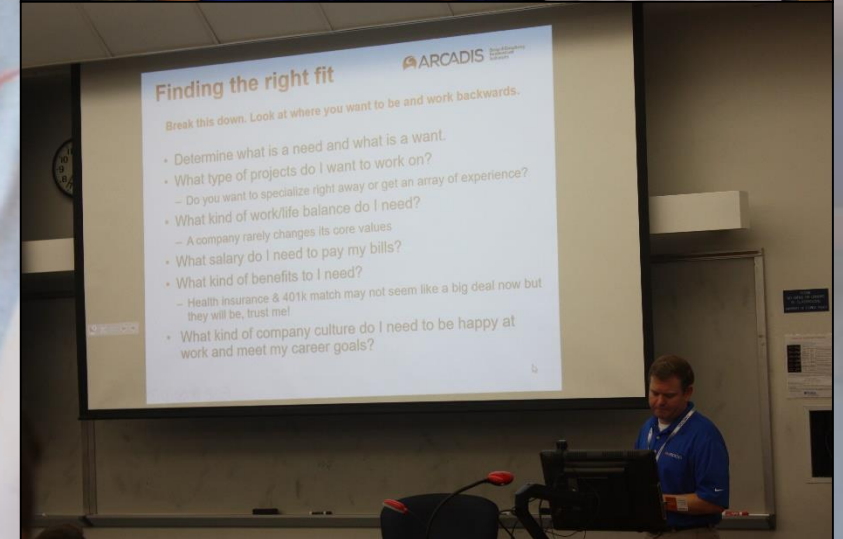
The first meeting of 2018 started off with a quick icebreaker to get new students involved. The task was to form the largest group of students as possible that had something in common, with the winning team receiving candy. Afterward Justin Berry from Whiting-Turner gave a great presentation on the company. This meeting was one of our most popular ones, mostly due to heavy marketing before the semester started. Our Concrete Canoe and Steel Bridge teams explained what their design projects consisted of and how to get involved which definitely attracted many new students to this particular meeting. Additionally, hosting the 2018 Southeast Regional Conference was discussed with the general public for the first time!



1st FALL GENERAL BODY MEETING

August 29th
47 students

Our first general body meeting of the Fall semester was a success due to the fact that it was the first meeting of the new school year for freshman students. The meeting began with a fun icebreaker which consisted of a large game of rock, paper, scissors. Following this, a fantastic presentation was given on behalf of Arcadis. In addition to talking about their company in particular, the presentation also addressed finding the right company to suit the different needs of each student. Afterward our executive board members got up and talked about what to expect from our chapter throughout the Fall semester. One of the most exciting parts of this meeting was hearing our Foundation Families co-chairs talk about our mentor/mentee program and how new students can get involved!



5th FALL GENERAL BODY MEETING

October 24th
50 students

One of our most engaging meetings was our 5th GBM in the Fall semester. The icebreaker that was led off with required students to get out of their seats and quickly form lines based on how far their hometown was from the South Pole. The line that was correct and formed the quickest won a candy prize. Then before the regular executive board updates, Jimmy Hoffman gave a presentation on behalf of VHB. In the presentation he explained how VHB is using big data to tackle complicated community-wide problems as well as issues brought by hurricanes along the East coast. Once he was done, Jimmy led an engaging Q&A session about the topics he touched on in the presentation.



STUDENT CONFERENCE

2018 ASCE Southeast Regional Student Conference
University of Florida
March 1st-3rd
Total 55 Students

Results

- 2nd Overall Conference
- 1st CC Overall
- 1st CC Design Paper
- 2nd CC Design Presentation
- 1st CC Best Final Product
- 1st CC Womens Endurance
- 4th CC Mens Endurance
- 1st CC Womens Sprint
- 1st CC Mens Sprint
- 1st CC Co-ed Sprint
- 1st Dynamic Dam
- 3rd SB Overall
- 4th SB Fastest Time
- 4th SB Display
- 1st SB Efficiency
- 4th SB Economy
- 4th SB Lightweight
- 2nd SB Stiffness
- 1st Concrete Horseshoe
- 3rd Orienteering
- 1st GeoWall
- 1st Reinforcement Rodeo



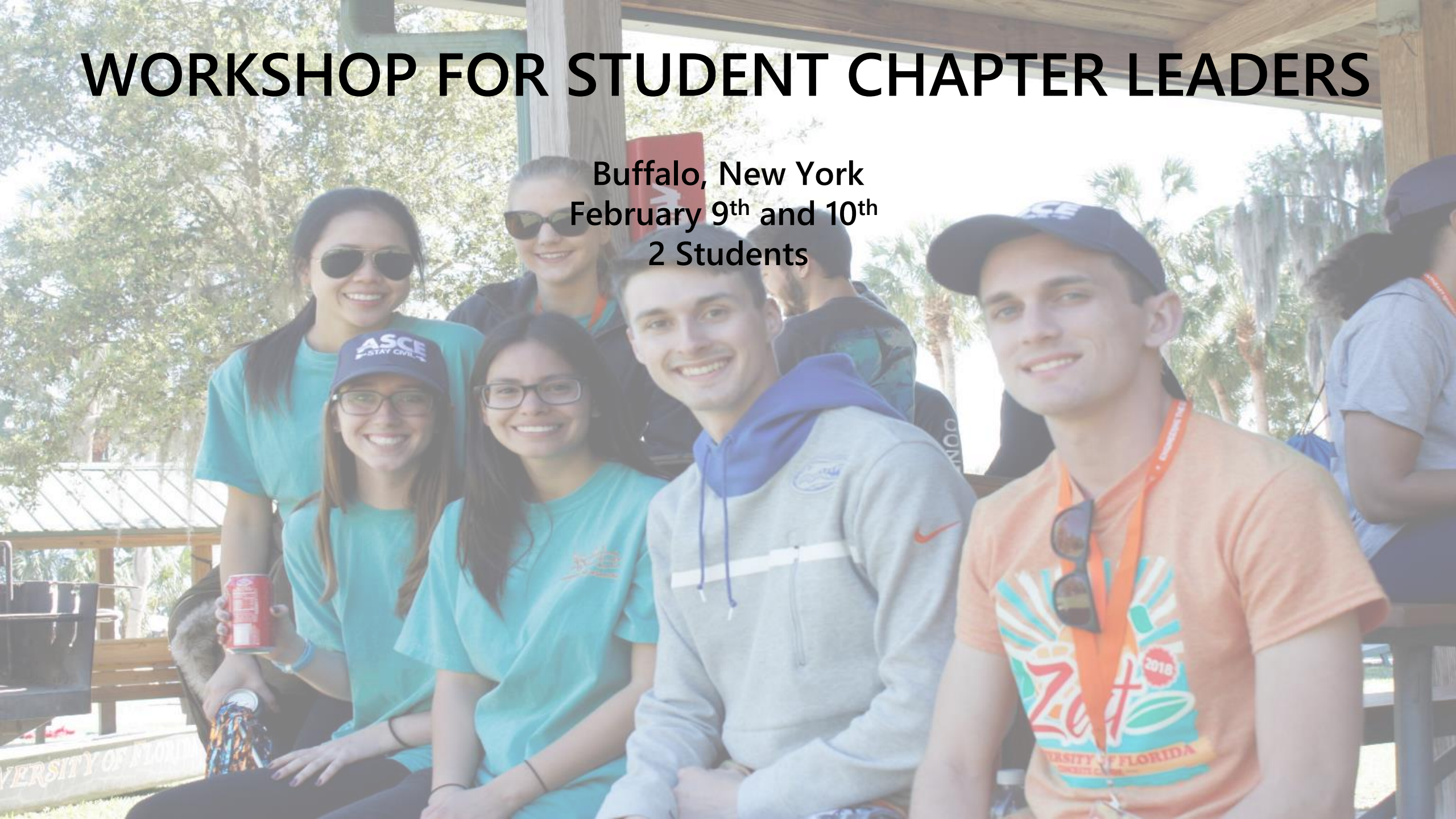
STUDENT CONFERENCE

2nd Place Overall
Go Gators!



WORKSHOP FOR STUDENT CHAPTER LEADERS

Buffalo, New York
February 9th and 10th
2 Students



ASCE FLORIDA SECTION CONFERENCE

St. Petersburg, Florida
July 12th to July 14th
3 Students Attended
1 Practitioner Advisor



Mary Sullivan (Pictured here second from right) won the Past President Scholarship award!

3 Gator ASCE members were represented at the 3-day conference.

BRYAN D. SPANGLER LECTURE

Matthews Suite Gainesville, Florida

March 30th

15 Students

1 Professional



Guest Speaker: Robin A. Kemper, P.E., LEED AP, F.SEI, F.ASCE - ASCE National

Kemper passed on some fantastic insight to our members on how she got to where she is today and what it truly means to be a civil engineer in today's world.

CONCRETE CANOE NATIONAL CONFERENCE

San Diego State University

June 23rd to June 25th

13 Students

1 Faculty

Results:

- 2nd Overall
- 4th Oral Presentation
- 2nd Design Paper
- 3rd Final Product
- 4th Men's Endurance
- 5th Men's Sprint
- 4th Women's Endurance
- 3rd Women's Sprint
- 2nd Co-Ed



STEEL BRIDGE NATIONAL CONFERENCE

University of Illinois Urbana-Champaign

May 25th to May 26th

5 Students



Results

- 6th Overall
- 2nd Stiffness
- 1st Efficiency

UNIVERSITY OF FLORIDA

SPECIAL PROJECT: CIVIL CONVERSATIONS



SPECIAL PROJECT: ENGAGE PROGRAM

Weil Hall Structures Lab, University of Florida

March 24th and November 16th

18 high school students and 12 UF ASCE members

95 man hours

UF ASCE set out to collaborate with high school students in the local Gainesville area to spark a potential interest in the STEM field through the lens of civil engineering.

Mentor/mentee relationships between the ASCE members and local high school students were desired to be established through this program. Our mission statement emphasizes the importance of life-long friendship and community involvement. The goals of this program directly coincide with these pillars.



The engage program was started at the beginning of 2018. One event was held per semester and consisted of the following activities:

- The high school students were given a tour of the Weil Hall Structures Laboratory, which is a fully equipped civil engineering materials preparation and testing laboratory.
- Each ASCE student member was assigned 3-4 high school students as mentees. They exchanged contact information, gave advice to the students, and helped them with the program activities.
- Both events held contained a main activity that emphasized a certain engineering component. One event required the students to fabricate a scale model size concrete canoe while the other event had the students erect wooden bridges and tested the strength of the bridges by hanging weights off of them.

FIELD TRIP: CENTRAL FLORIDA CONSTRUCTION TOUR

March 23rd
10 students

The East Central Branch Younger Member Forum hosted their 12th Annual Central Florida Field Trip on March 23, 2018. Civil engineering students from five of Florida's Engineering Universities visited exciting state-of-the-art engineering projects highlighting the Central Florida area. The field trip was a highly informative tour of exciting Central Florida Construction and Engineering Projects. It included the 4 site visits shown in the table.

The field trip ended with a social at Ace Cafe Orlando



Stop 1	SR 408 Widening
Stop 2	Universal Aventura Resort
Stop 3	Wekiva Parkway Site 6
Stop 4	ADS/StormTech Factory Tour



FIELD TRIP: INFRA-METALS

September 22nd
10 students

UF ASCE was given the opportunity to experience a commercial steel distribution plant that provides metals to much of the state of Florida and a few surrounding states. The students were given a presentation on the production and distribution of steel, and then were provided with a tour of where metal was stored, maintained, and prepared for shipment. The students received a learning experience examining how structural steel and metal can be an alternative to normal concrete structures.



FIELD TRIP: NASA

November 2nd
31 students

The UF ASCE Student Chapter had the opportunity to take a tour of the NASA Kennedy Space Center (KSC) this Fall 2018. The students were given a tour of the Vehicle Assembly Building (VAB) and learned about how it was designed and constructed. They also were able to tour the NASA developmental technology lab, Swamp Works, where they learned about the role civil engineers will be playing in the mission to Mars. The chapter also was able to see the KSC Visitor center where they were able to learn more about the NASA Space Shuttle program and see the now retired Space Shuttle Atlantis.



SUMMARY AND QUESTIONS

Significant Moments

- Our chapter successfully hosted the 2018 Southeast Regional Student Conference and placed 2nd overall
- Our Concrete Canoe team placed 2nd overall at the national competition in San Diego, CA
- Our Steel Bridge team placed 6th overall at the national competition in Champaign, IL
- We had a successful Spangler lecture featuring the president-elect of ASCE National as a guest speaker
- Our newly-established Engage program allowed local high school students to be exposed to the STEM field through the lens of civil engineering and create connections with our current members
- The Civil Conversations podcast was the first of its kind for our chapter and reached a large audience
- We were able to take field trips to NASA, Infra-metals, and a tour of 4 Central Florida construction sites.
- We ended the year with over \$3,000 in profit

Challenges Faced

- Encouraging more of our members to sign up to be ASCE national members
- Keeping our membership/event database updated at regular intervals
- Retaining high attendance at our general body meetings
- Finding enough chapter members to fill all executive board positions. Interest seems to be falling slightly over time.

SUMMARY AND QUESTIONS

Thank you for an incredible year! Questions?

