

UNIVERSITY OF FLORIDA

2015 ANNUAL REPORT

ASCE UF STUDENT CHAPTER

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Instagram: www.instagram.com/ufasce/

UNIVERSITY OF FLORIDA

AMERICAN SOCIETY OF CIVIL ENGINEERS STUDENT CHAPTER

www.gatorasce.com

HOME EXECUTIVE BOARD CONFERENCE ABOUT US

UF ASCE

WE ARE THE UNIVERSITY OF FLORIDA CHAPTER OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

THANK YOU TO OUR NEW GOLD SPONSOR: WHITING TURNER!

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Are you an alumnus of our student chapter? We are starting an alumni newsletter! Sign up today!

[SIGN UP!](#)

Our office is located in Weil Hall room 453. We are open Monday-Thursday 8:30 AM - 4:00 PM, and Friday 8:30 AM - Noon.

Events

Click the button below to find out what's going on...

[CURRENT EVENTS](#)

Join Today

Start your career on the right foot. Make connections, build your resume, have fun.

[JOIN TODAY](#)

Design Teams

Want to learn how to weld steel? Do you wonder how concrete can float? Dying to get hands-on experience with what you've been studying? Join one of our competitive design teams!

[GET INVOLVED](#)

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www.instagram.com/ufasce



ufasce FOLLOWING ***

UF ASCE University of Florida's American Society of Civil Engineers Student Chapter www.gatorasce.com

26 posts 76 followers 44 following



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www.facebook.com/groups/ufasce

UF ASCE Student Chapter
Closed Group

Joined Share Notifications

Discussion Members Events Photos Files Search this group

Write Post Add Photo / Video Create Poll Add File

Write something...

RECENT ACTIVITY

Christine Pu 9 hrs

Don't forget that there's a safety training going on for Steel Bridge tomorrow at 3PM in Weil 170! It's not too late to get involved and no previous experience is required 😊 We can't wait to see you there!

Like Comment

2 people like this.

Write a comment...

ADD MEMBERS
+ Enter name or email address...

MEMBERS 632 Members

Invite by Email

DESCRIPTION
The American Society of Civil Engineers is ...
See More

CREATE NEW GROUPS
Groups make it easier than ever to share with friends, family and teammates. [Create Group](#)

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“The BluePrint” Newsletter



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Student Officers Spring 2015



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Historian

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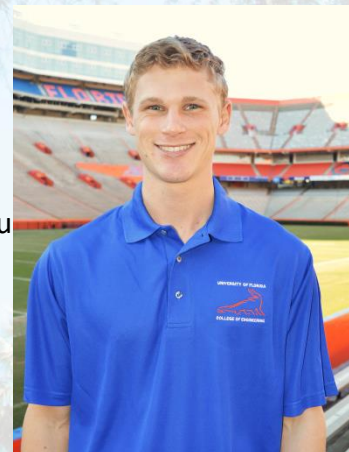
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Student Officers Spring 2015



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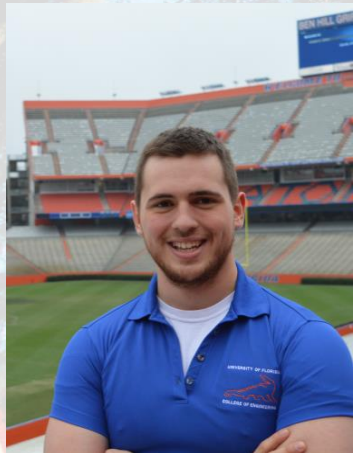
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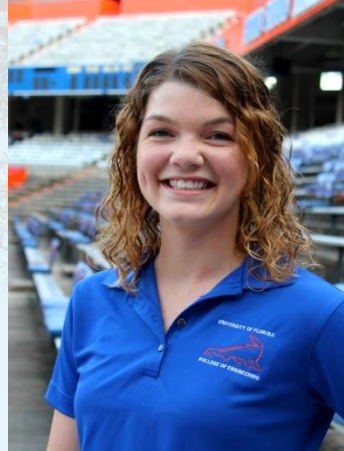
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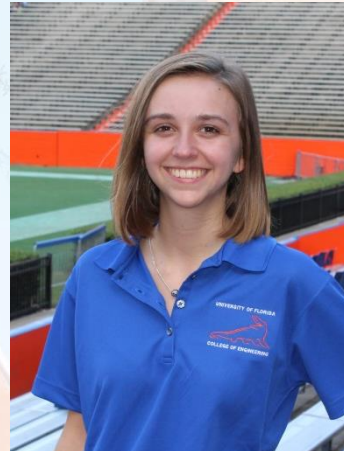
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Annual
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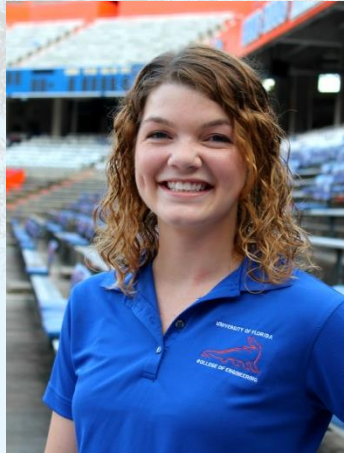
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Student Officers Fall 2015



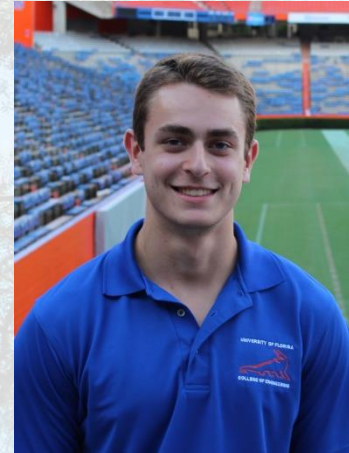
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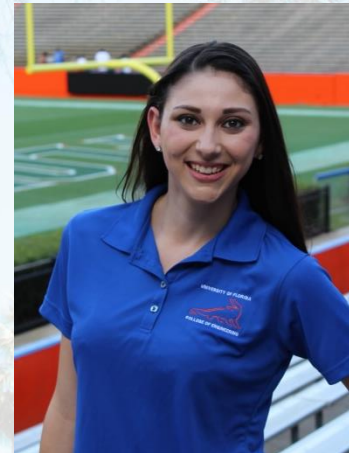
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Financial Summary

Dues

\$20 One Time Membership Fee

As of December 31, 2015

Total Income	\$24,781.51
Total Expenditures	\$24,190.43
Cash Balance	591.08
Accounts Receivable	0
Accounts Payable	317.87

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Goals and Objectives

“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.”



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Goals and Objectives

Goal 1: *Increase Meeting Attendance Numbers and Retain Meeting Attendance throughout the semester*

Goal 2: *Improved Efficiency of Executive Board*

Goal 3: *Reach Our to UF and Gainesville Community*

Goal 4: *Support Design Teams at the National Level*

Goal 5: *Increase Underclassmen Involvement*

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Goal 1

Increase Meeting Attendance Numbers and Retain Meeting Attendance throughout the semester

- Action Plan
 - Increase general body meeting advertising with more flyers and improved social media presence.
 - Host engaging meeting with interesting speakers.
 - Include fun icebreakers at the start of each general body meeting to form lasting connections between members.
- Assessment and Outcomes
 - 147 students came out to the first fall general body meeting
 - After the first meeting, members continued to come out to events with increasing numbers. Student wanted to get involved and over 27 applied to be on Eboard.
 - 74 Attendance Ratio (Average Attendance of 10 Best Attended Meetings). This is a 132% increase from 2014.
- Follow-up plan for the future
 - Add an active twitter
 - Hold general body meetings in a larger room

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Interactive presentations
and active icebreakers
make meetings fun!

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Goal 2

Improved Efficiency of Executive Board

- Action Plan
 - Executive Board Meetings were run efficiently with printed out meeting agendas and a new meeting room with conference table that fit all members.
 - Eboard meetings were only called when necessary.
 - GroupMe kept all officers updated and in contact. The team built trust and worked on communication at the Eboard Challenge Course.
- Assessment and Outcomes
 - With streamlined communication, the 2015 Executive Board made quick and informed decisions about projects and events.
 - Led by effective leaders, the club became stronger.
 - Only 14 Planning Meetings in 2015
- Follow Up Plan for Future
 - Continue tradition of Eboard retreat

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Meeting Minutes and Executive Board Retreat Improved Efficiency



5th E-Board Meeting October 21, 2015

New Business

- ✦ Send Slides by Monday
- ✦ Officer Elections and Chair Positions
 - December 2nd
- ✦ Mini Comps are out. Service project for E-Board?
- ✦ Need Volunteers for track meet
 - Nov 14 (South Carolina away Game)
 - 4 volunteers at a time
 - 8:30-3:30
 - Do in shifts

Upcoming Events

- ✦ 5th GBM : Sprinkle Consulting
- ✦ ASCE Tampa Field Trip
 - Oct 23
 - 8AM-6PM
- ✦ Next E-Board concession – Vanderbilt – NOV 7th
- ✦ Do we want to start cleaning the stadium instead of concessions?
- ✦ ESSIE Alumni Homecoming BBQ
 - Volunteers to run ASCE table 2 hours before kickoff
 - Email Nick

Faculty Advisor

Practitioner Advisors

- ✦ Alachua county vehicular bridge project...

1st VP

- ✦ Field Trip: Tampa, Oct 23, MWH, WPM
 - 6:30-8:30
 - Bring Sunglasses
 - Long Pants
 - Wear Polos

2nd VP

- ✦ Gator Dockside Nov 4

Treasurer

- ✦ Working on taxes

Secretary

- ✦ Thank you notes



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Goal 3

Reach Out to UF and Gainesville Community

- Action Plan
 - Continue work with Abraham Lincoln Middle School.
 - Collaborate with other engineering clubs at events.
 - Volunteer around Gainesville
- Assessment and Outcomes
 - Members helped out at Habitat for Humanity and Rebuilding Together to help construct housing in Gainesville.
 - In addition to attending weekly afterschool workshops at Abraham Lincoln Middle School, ASCE staffed the Energy Whiz Expo and Family Science Night.
 - ASCE worked with SWE, Chi Epsilon, the Benton Engineering Council, and Florida Structural Engineers Association Student Chapter to attend events.
 - 14 Events with Outside Organizations
- Follow Up Plan for Future
 - Hold the Energy Whiz Expo in the Spring and Fall
 - Work with Women's Transportation Seminar, Institute of Transpiration Engineers, and American Concrete Institute Student Chapters

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UF ASCE loved helping with habitat and Abraham Lincoln Middle School



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Goal 4

Support Design Teams at the National Level.

- Action Plan
 - ASCE promoted design teams in ASCE general body meetings..
 - Design teams advertised general body meetings in weekly updates.
 - Design teams perfected their final product and process with the help of a supportive team.
- Assessment and Outcomes
 - Both design teams worked very hard to create their final product.
 - After placing first at the Southeast Regional Student Conference at the University of Tennessee at Chattanooga, teams went on to compete at the national level.
 - The University of Florida Concrete Canoe attended the NCCC Conference in Clemson, SC and the Steel Bridge team competed at the University of Missouri-Kansas City .
 - UF won 1st Place at the 2015 National Concrete Canoe Competition and the 2015 National Student Steel Bridge Competition.
- Follow Up Plan for Future
 - Continue Concrete Canoe and Steel Bridge 's success using innovative design ideas in 2016

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UF ASCE Cheers for Bridge and Canoe at Meetings and Races



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Concrete
Canoe and
Steel Bridge
both won
1st at
Nationals.

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Goal 5

Increase Underclassmen Involvement

- Action Plan
 - Attend outreach events within the College of Engineering to promote clubs.
 - Advertise meetings in general freshman classes.
 - Design teams advertised general body meetings in weekly updates.
 - Host more socials that do not exclude members under 21.
 - Present ASCE at all introduction to engineering classes.
- Assessment and Outcomes
 - First year students poured into meetings after being recruited from Introduction to Engineering classes.
 - They stayed involved in the club and attended fun socials including roller-skating, pottery painting and a corn maze.
 - Underclassmen got involved early with a freshman and a sophomore officer.
 - 34 Underclassmen Members in 2015
- Follow Up Plan for Future
 - Develop a mentorship program between older and younger students

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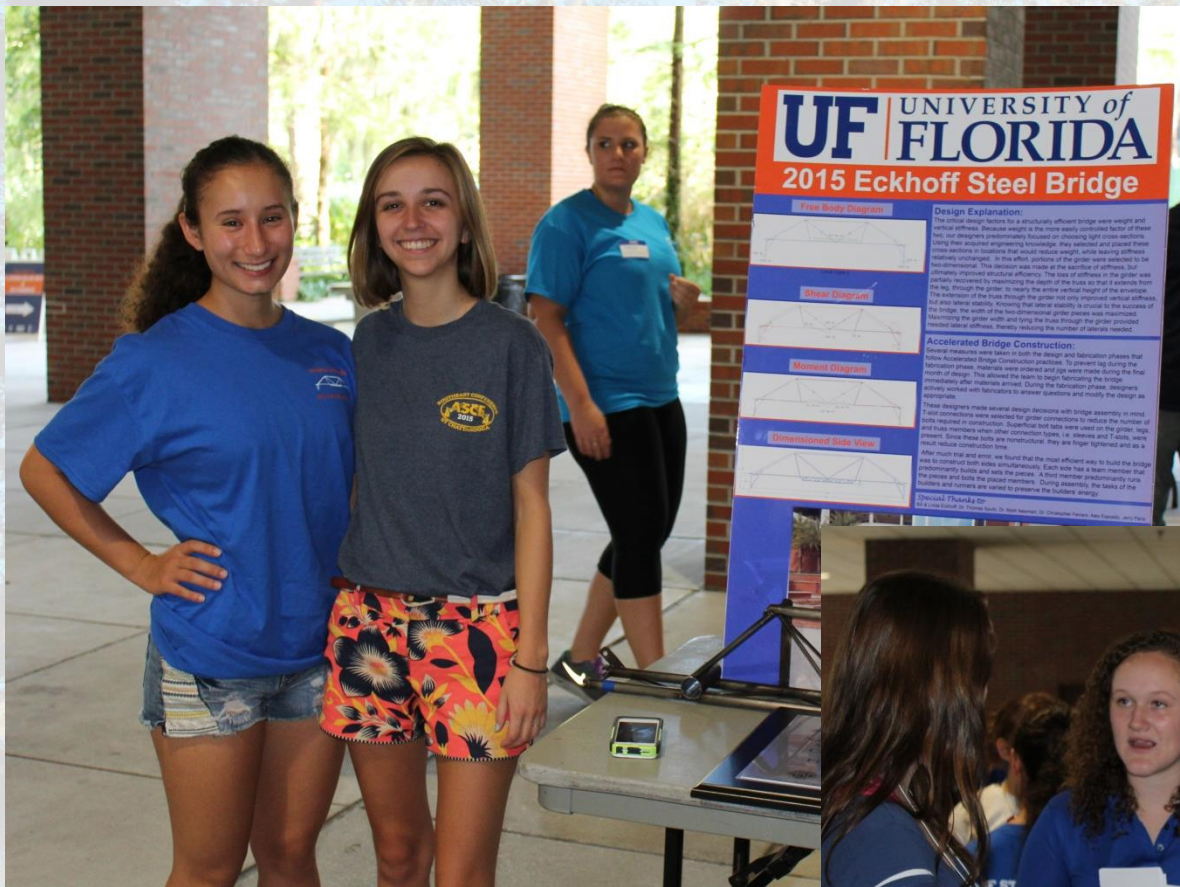


Members Formed Friendships at Socials



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Recruitment Events



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Membership Statistics

- Average of 210 total members
- Average of 157 ASCE National Society-Level members
- 79% of members are Society-Level members

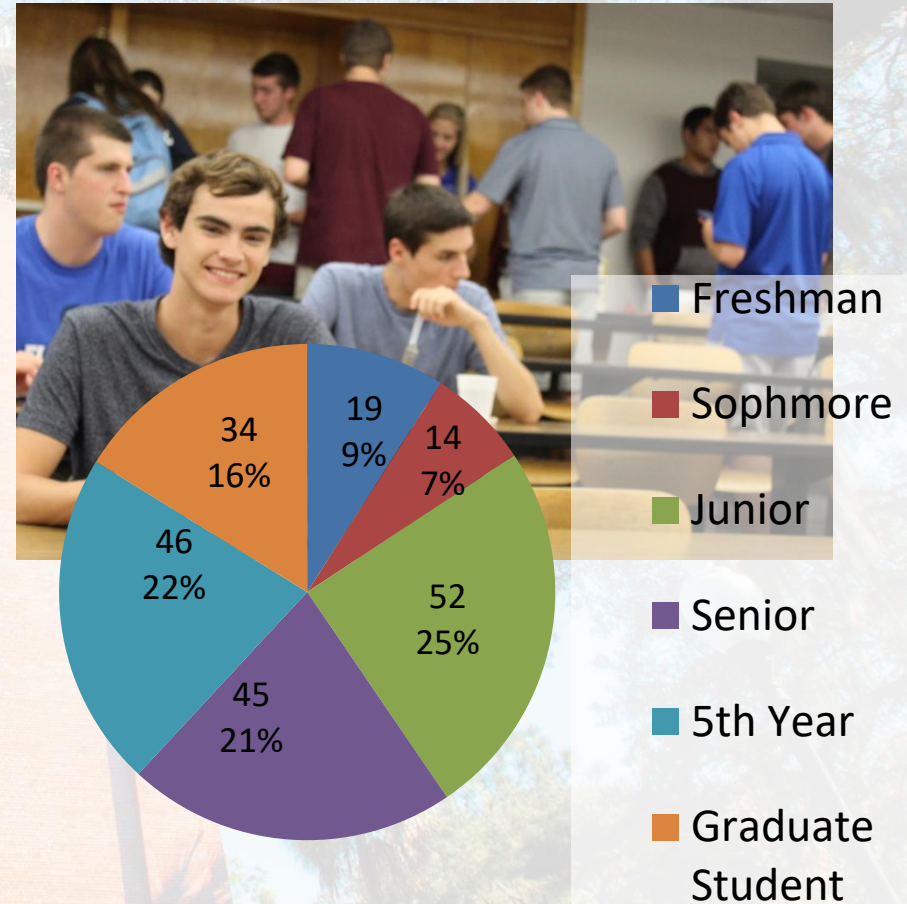


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Membership Statistics

- 173 with Junior or Senior status
- 367 Juniors and Seniors eligible to join ASCE
- 39% of eligible Juniors and Seniors are members



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Meeting Statistics

- 16 Professional Meetings with an Invited Speaker
- 4 Student Talk or Paper(s) Presented
- 3 Professional Licensures or Paper Presented
- 3 Field Trips
- 23 Social Functions



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1st Spring General Body Meeting

- 1/14/2015
- 79 Members Attended
- Ben Emerson, Director of Americas Municipal/State Services at MWH gave a presentation on overcoming challenges in the field. He also discussed how to reach a work and home balance.
- Through recruitment and advertisement, the first meeting of the semester was well attended.



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2nd Spring General Body Meeting

- 1/28/2015
- 71 Members Attended
- Tom Hayden of Environmental and Geotechnical Specialists presented on the importance of networking and joining a professional society after graduation.
- Members loved the paperclip construction challenge at the beginning of the meeting.



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1st Fall General Body Meeting



- 9/2/2015
- 147 Members Attended
- Students received a "What is ASCE" presentation by UF ASCE president Nick Bauer and followed by presentations by Concrete Canoe and Steel Bridge teams.
- Summer recruitment and publicity from national champion design teams brought out a record number of members at the start of the semester.

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2nd Fall General Body Meeting

- 9/16/2015
- 75 Members Attended
- Spencer Adams from JBrown Professional Group presented on campus construction projects such as the new Indoor Football Practice Facility and O'Connell Center Renovations.
- Members enjoyed learning the plans for their campus.



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4th Fall General Body Meeting

- 10/14/2015
- 71 Members Attended
- Brett Goodman, ASCE Region 5 Governor presented the Distinguished Chapter Award to UF ASCE. The UF Chapter of Florida Structural Engineering Association joined ASCE for a presentation by David Richard from Walter P. Moore.
- Collaboration with other organizations increased meeting publicity.



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Reitz Union Construction Field Trip



- 2/19/2015
- 25 Members Attended
- Students took a walking tour of the Reitz Union extension construction site led by two project managers. The tour involved a summary of the renovation and a preview of the completed building.

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Byron D. Spangler Lecture



- 4/16/2015
- 26 Members Attended
- The UF chapter invited Steve Precourt, FL Representative, to give a short speech on his career and civil engineering. A reception followed afterwards with a full meal and networking.

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2015 Annual Florida Section ASCE Conference



- 7/16/2015
- 4 Chapter Members Attended with a practitioner Advisor
- Chapter leaders attended conference in Orlando, FL. Students listened to the Board of Directors meeting which broadened their perspective of ASCE while giving an inside look at the State Level. Students networked with fellow civil engineering students and potential employers. Members listened to lectures and learned how to apply civil engineering skills.

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Tampa Field Trip



- 10/23/2015
- 30 Members Attended
- Students toured the Tampa water treatment plant with MWH and the Tampa International Airport with WPM

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Football Practice Facility Field Trip

- 11/13/2015
- 17 student members
- students joined Gainesville branch for a tour of the newly constructed indoor football practice facility.
- After the trip, the branch and UFASCE attended at networking Happy Hour at the Swamp.



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ASCE 2015 Southeast Student Conference

- University of Tennessee at Chattanooga
- 3/19/2015 -3/22/2015
- 60 Students attended with 2 faculty members
- UF won 1st overall at the Conference.



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First Day of Competition

- Students were free to observe and take pictures of competitors steel bridges. Judges roamed the display grounds to judge the teams based on how well their bridges and display boards looked and how informative their display boards were.

Second Day of Competition

- The UF Steel bridge team competed in assembling and testing their final product.
- Concrete Canoe display, presentations, and swamp tests were held.
- Mini Competitions were held in various locations around the university. These included Balsa Dam, Professional Paper, Geotechnical, Transportation, Environmental, and Concrete Cylinder.

Third Day of Competition

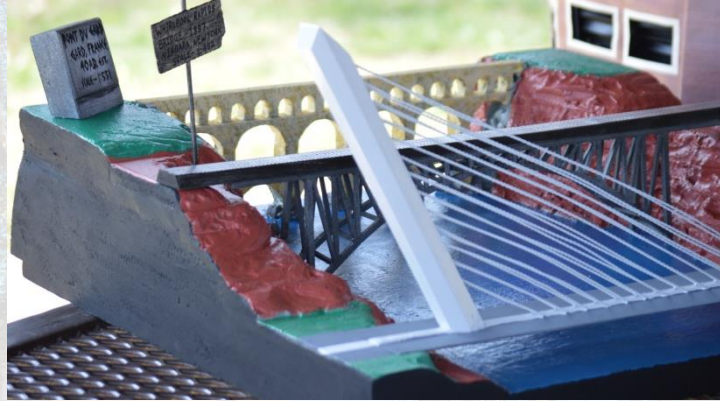
- Concrete Canoe races were held.
- Students competed in Concrete Ladder Golf, Surveying, Mystery, T-shirt, and Visual Display The banquet was held after. Here the students ate dinner and listened to speeches by UTC officials and a Brigadier General before the awards were presented.



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Competition Results



2nd in
Concrete
Ladder Golf



3rd
Professional
Paper

1st Surveying

3rd Visual
Display

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Concrete Canoe

UFCC placed

- First in Final Product, Presentation, Design Paper, Co-ed sprint
 - Second in women's sprint and men's endurance
- First Overall qualifying the team for nationals



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Steel Bridge

UF Steel Bridge placed
First in Efficiency,
Display, and
Lightness
Second in
Construction
Speed, Economy,
and Stiffness
First overall
qualifying the
team for nationals



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Workshop for Student Chapter Leaders



- 1/9/2015
- Hyatt Regency, Miami, FL
- 4 Students attended

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National Concrete Canoe Competition



- Clemson, SC
- 6/19/ 2015 - 6/21/2015
- 15 students attended
- 2nd Oral Presentation
- 4th Design Paper
- 2nd Men's Endurance Race
- 3rd Women's Endurance Race
- 1st Co-Ed Sprint Race

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UFCC Placed First Overall



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National Student Steel Bridge Competition



- 5/22/2015 - 5/23/2015
- University of Missouri-Kansas City, MO
- 11 Students Attended
- UF Steel Bridge placed 1st Overall

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Special Project: Energy Whiz Expo



Goals

- Facilitate event races and events
- Demonstrate civil engineering to the Gainesville Community

Description

Students and volunteers gathered at Santa Fe Community College for Gainesville's second Energy Whiz Expo on April 11. Organized for elementary students to showcase their engineering prowess, this expo was the result of year long planning. UF ASCE assisted in this event by helping to set it up, break it down, and by acting as judges during events. The Expo featured two competitions for students to demonstrate their abilities: the Solar Cooker competition and the Solar Car race. Aside from these events, the Expo also featured a telescope capable of viewing the sun, food, and a showcase of UF ASCE's conference displays.

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Special Project: Energy Whiz Expo



Participation

- 45 ASCE Members
- 1 Faculty
- 21% of members participated
- 200 person-hours on the project
- 4/11/2015

Project Impact

- Members of the Gainesville Community were exposed to civil engineering.
- Young students were inspired to explore STEM majors.
- Gators shared their passion for engineering.

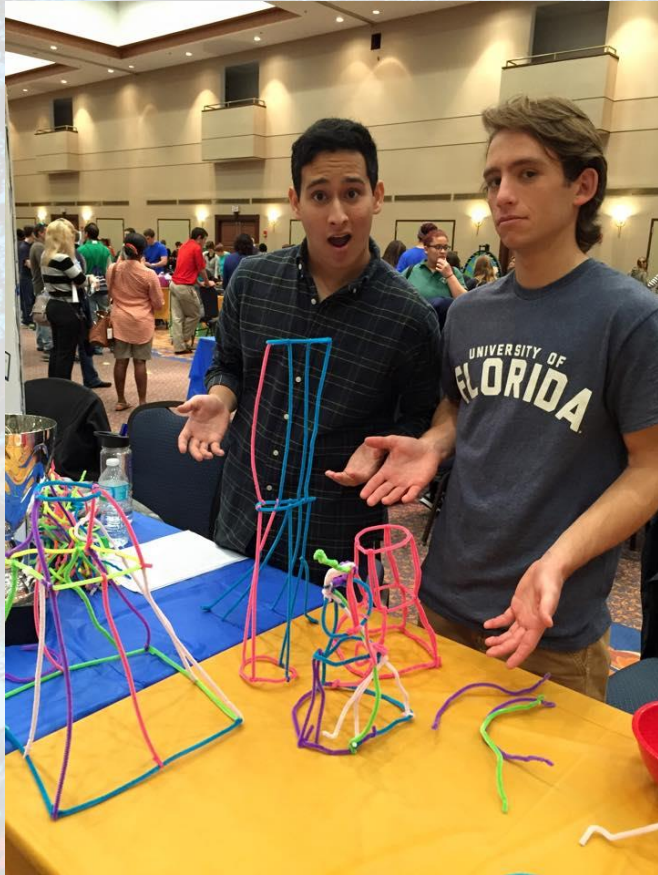
Engineering Component

- Student led the event while working on communication and problem solving skills.

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Special Project: Engineering Fair



Description

Members volunteered in shifts to support the College of Engineering E-Fair. ASCE set up a table with a civil engineering challenge. The Concrete Canoe team brought their canoe to display and present to middle school students.

Participation

- 21 Members and 9 Faculty (10% of Student Chapter)
- 50 Person-Hours
- 2/24/2015

Project Impact

- Engaging the young students lead to a possible interest in the field of engineering.
- Making connections with the College of Engineering and other clubs

Engineering Component

Members were challenged in the communication aspects of engineering. They also practiced communicating with young students who had little prior knowledge of engineering, so they had to convey their complex ideas in a simple manner.

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2015 Summary

- Steel Bridge and Concrete Canoe became National Champions.
- UF Hosted Steve Precourt, FL Representative, at the Byron D. Spangler Lecture.
- UF won first overall at the Southeast Student Conference.
- Giving back to the community was fun through active events like Energy Whiz Expo, Engineers Week, and Habitat for Humanity .
- Members toured on-campus construction while getting the inside scoop of their school at the Reitz Union and Indoor Football Practice Facility construction tours.

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2015 Summary

- Large numbers of attendance at meetings made creating a club cohesion difficult.
- Raising money for significant travel for both design teams was a challenge.

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Thank you!



If you have any questions, feel free to contact us!

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