



University of Notre Dame

Annual Report for
American Society of Civil Engineers
Student Chapter

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Student Officers

						
Mia Lochhead Co-President	Conor Milligan Co-President	Jack Sainz Vice President	Lalo Segura Treasurer	Joan Deitsch Public Relations Chair	Gustavo Jimenez-Guzman Events Chair	Jack Mowat Concrete Canoe Project Manager

Advisor



Andrew Bartolini, Ph.D.

*Assistant Teaching Professor - College of
Engineering*

*Concurrent Assistant Teaching Professor -
Department of Civil & Environmental
Engineering & Earth Sciences*

Chapter Recognition

2021 Great Lakes Student Conference Champions





Mission Statement

The Notre Dame ASCE student chapter strives to be a welcoming club where Notre Dame Engineers can find camaraderie and community; aims to organize a variety of engineering related meetings and events where members can learn more about civil engineering, develop their careers, and have fun; promotes the academic and overall well being of its members; and works in concert with the regional and national organizations to register members, attend conference, and strengthen the club.



Goals

Goal 1: Add external events

- To increase club membership and participation, we wanted to organize events that would provide our engineering students with a reprieve from their typical coursework and encourage interactions across class years.
- We successfully started two co-rec sports teams and competed in sand volleyball and broomball.
- Club meetings regularly had contests, trivia, and other interactive elements that engaged members.
- “Dinner with a Civil” randomly paired ASCE upperclassmen with first-year engineering students to help with major discernment.



Goal 2: Collaborate with other organizations

- To qualify for additional funding from the University, we wanted to collaborate on an event with a partner engineering club.
- ASCE successfully collaborated with the Environmental Engineering Society to host an off-campus bowling night for Civil and Environmental Engineering undergraduates.



Goal 3: Increase on-campus fundraising

- As a result of the ongoing pandemic, ASCE waived dues for the spring semester of 2021. Upon returning in the fall, the club needed to search for additional sources of income.
- The club reinstated dues at the University-required minimum of \$10 for the fall semester. We also sold t-shirts and hosted a concession stand at a home football game.
- ASCE's concession stand was one of the most profitable stands in University history and raised over \$3,500 in profits for the club.





Chapter Activities



General Meetings

Chapter Activities

February General Meeting

February 16, 2021

Attendance: 50

- **Speaker Series:** Newly-introduced Dean of the College of Engineering, Patricia Culligan, came to speak about her work at Columbia on smart water collection in urban environments.
- **Virtual Audience:** Many students & club officers joined from quarantine/isolation. Various faculty and friends of the University joined virtually from across the country.



March General Meeting

March 23, 2021

Attendance: 30

- **Speaker Series:** Professor Geno Acosta, Director of the Fitzgerald Real Estate Institute, discussed career paths in construction management and his personal experiences working in southern California.
- **Officer Elections:** 2021-22 academic year candidates gave brief pitches before the 24-hour voting period following the meeting.
- **Pictionary:** In-person attendees divided into teams to draw civil engineering-related items on the chalkboard.



May “Star Wars” Meeting

May 4, 2021

Attendance: 25

- **Senior Send-off:** Senior club members and officers were recognized for their service to ASCE and for making it through a COVID-year.
- **Campus Scavenger Hunt:** Officers designed a 15-minute scavenger hunt across campus where small groups try to picture as many items as possible. The winners received lightsabers for Star Wars Day!
- **Pizza Party:** To celebrate 94% campus vaccination, ASCE brought locally-famous Rocco's Pizza to the meeting.



Kickoff General Meeting

September 7, 2021

Attendance: 45

- **Club Introduction:** We introduced what ASCE is, as well as typical ASCE activities at Notre Dame
- **Officer Introductions:** We gave brief backgrounds for our officers, including those in Concrete Canoe
- **Second Annual Paper Airplane Contest:** After its wild popularity last year, we brought back this signature kickoff event
- **Kahoot:** We held a Kahoot Trivia contest about Civil Engineering and Notre Dame
- **Pizza Dinner!**



October General Meeting

October 5, 2021

Attendance: 35

- **Club Updates:** Gave a “Month in Review” and an “Upcoming Events” update, including site tours, social events, and our co-rec sports team
- **Concrete Cane Update:** Gave the club an update on the progress of the concrete canoe team
- **Speaker Series:** Dr. David Richter gave a talk on his career in academia and advice on discernment
- **Giant Jenga:** We played giant jenga with club members and handed out Halloween candy



November General Meeting

November 2, 2021

Attendance: 20

- **Club Updates:** Gave a “Month in Review,” including site tours, and our co-rec sports team and an “Upcoming Events” update, including a concession stand, more co-rec sports, and a lab cleanup
- **Concrete Canoe Update:** Gave the club an update on the progress of the concrete canoe team
- **Speaker Series:** Jackie Ott and Adolfo Mora from Walsh Construction presented on careers and construction and Chicago’s Red Purple Line Modernization Project
- **Secret Word/Charades:** We played a hybrid secret word/charade games with student-submitted civil engineering words

The logo for Walsh Construction, featuring the word "WALSH" in a bold, green, sans-serif font. The letters are stylized with a geometric, overlapping design.

“December” General Meeting

November 30, 2021

Attendance: 40

- **Club Updates:** Gave a “Month in Review,” including site tours, a concession stand, and more
- **Introduced ASCE Conference:** Held live event signup
- **Speaker Series:** Katie Wilson and Colleen Kerins from Clark Construction held an interactive presentation on a problem and solution from a past construction project
- **ASCE Shirt Reveal:** Revealed 2021/22 club apparel
- **Gingerbread Construction Contest:** Using graham crackers and other supplies, club members constructed and decorated gingerbread houses





Site Tours

Chapter Activities

Tour of McKenna Hall

March 19, 2021

Attendance: 20

- Notre Dame's Conference Center was demolished early in 2020 to clear a site for the new McKenna Hall
- 2 groups of 10 students toured the new construction
- Students saw the new facilities for the Office of Admissions, new conference center activities, and subsurface mechanical systems and pedestrian tunnel connections



Tour of the Basilica of the Sacred Heart

April 16, 2021

Attendance: 8

- Led by a priest in the Congregation of Holy Cross, a small group of students was able to tour the Basilica of the Sacred Heart and learn about the history and construction of the church
- Students were able to climb the bell tower, view buttress supports, and explore the foundation of the Basilica
- The Basilica is the 2nd most visited tourist attraction in Indiana, after the Indianapolis Motor Speedway



Tour of South Bend Hydraulic Dam

September 3rd, 2021

Attendance: 25

- Toured the construction of the hydraulic dam that is being constructed in downtown South Bend



- Learned about the site, the construction process, and the future use of the dam

Tour of Sorin Hall Construction at Notre Dame



November 12th, 2021

Attendance: 12

- Toured the renovation of Notre Dame's oldest residence hall, Sorin College
- Learned about the project, as well as how soil settlement has caused problems for this building





Club Events

Chapter Activities

Bowling Night with the Environmental Engineering Society



September 29th, 2021

Attendance: 25

- To create camaraderie within our department (Civil and Environmental Engineering and Earth Science), we organized a bowling night with the Environmental Engineering Society
- We went to Chippewa Bowl in South Bend and covered the cost for dues-paying members



Co-Rec Sand Volleyball: Shear Studs

September 2021

Attendance: 15



- We formed a sand volleyball team named the Shear Studs and competed in the university's co-rec season
- Encouraged friendship and team spirit among our club members



Co-Rec Broomball: Shear Studs



October 2021

Attendance: 20

- Shear Studs continued with the formation of a broomball team, where we again competed in the University's co-rec season
- Encouraged friendship and team spirit among our club members

Materials Lab Cleanup



November 7th, 2021

Attendance: 15

- Cleaned and organized the Notre Dame Materials Lab, a space which is used for undergraduate classes, graduate research, and concrete canoe
- Notre Dame's Department of Civil and Environmental Engineering and Earth Science donated money to the club for our efforts



ND Football Concession Stand

November 20th, 2021

Attendance: 20 volunteers

1,000+ visitors

- Organized and ran a concession stand for the Notre Dame vs Georgia Tech Football Game
- Cooked and sold food, drinks, and ASCE Apparel to raise money for the club
- Had student club members volunteer to set up, run, and clean up the stand
- Raised over \$3500 dollars for the club!





Concrete Canoe Events

Chapter Activities

Weekly Mix Design Meetings

- Throughout the fall semester, we had weekly mix design meetings on Monday nights, with usually about 8-14 people attending
- We tested various materials, mix designs, and colors for the 2022 concrete canoe, *LollaCanoeza*



Concrete Canoe Paddling Practice

October 12 and 26, 2021

Attendance: 10

- The Concrete Canoe team hosted two paddling practices on Notre Dame's Saint Joseph's Lake
- Members honed their paddling skills in preparation for conference, and it was also a great way to increase camaraderie and friendship among club members





Student Conference

2021 Great Lakes Student Conference

- Hosted virtually by Purdue University - West Lafayette, IN
- April 10-11, 2021



Conference Recognition



Concrete Canoe
3rd Place



Concrete Cornhole
3rd Place



Sustainable Solutions
5th Place



Construction Institute
1st Place



Overall
1st Place

R. John Craig Legacy Competition - 1st Place



National Conferences

WSCL

- The 2021 WSCL was held virtually.
- ASCE Student Officers held a Zoom meeting to comply with University protocols to share insights from the virtual conference.





Community Service

Due to university policies regarding the COVID 19 pandemic, our chapter was unable to complete any off-campus service events this year. We are looking forward to resuming these events in the near future.

Questions?

