Auburn University Student Chapter American Concrete Institute Student Forum — ACI Las Vegas

October 15th, 2018



OUTLINE

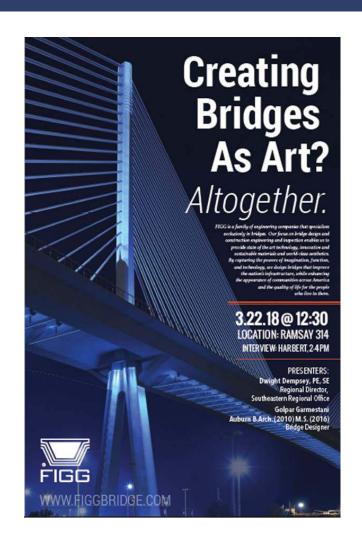
- □ 2017-2018 In Review
 - **■**Lunch Seminars
 - **■**Concrete Day
- Student Competition Trials
 - ■Salt Lake City

A Year in Review

LUNCH SEMINARS

FIGG

- Dwight Dempsey(PE,SE)
 - ■SE Regional Director
- □ Golpar Garmestani
 - **■**Bridge Engineer
 - ■Auburn Alumnus



4th Annual Concrete Day

Speaker: Gregg A. Reese (P.E., C.E)

- President of Summit EngineeringGroup, Inc., A Modjeski and MastersCompany
- Topic: "Introducing Innovation in Precast Concrete Bridge Design and Construction"

4th Annual Concrete Day

Summit Eng., Inc. Projects (Courtesy of Summit Eng., Inc.):



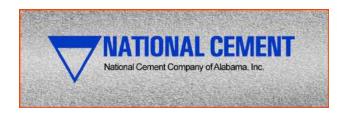






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4th Annual Concrete Day





4th Annual Concrete Day





FRC Bowling Ball Comp Trials

- Winning team received \$500 and a funded trip to the SLC ACI conv.
- □ 2 teams entered





FRC Bowling Ball Comp Trials







FRC Bowling Ball Comp. Trials







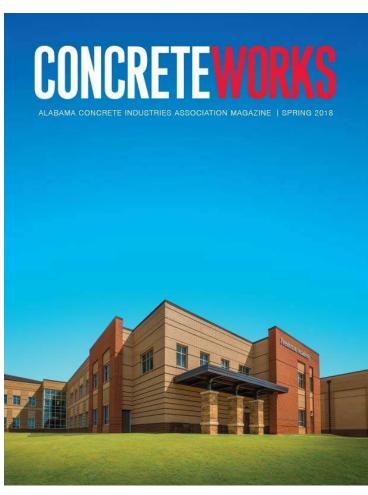


Photo courtesy of alconcrete.org



Photo courtesy of alconcrete.org

The Auburn University Student Chapter of ACI is dedicated to promoting an Interest in concrete in Auburn and in the surrounding community. Each agring, the chapter hosts a luncheon event called "Concrete Day" Where students. faculty, and concrete professionals are Invited to hear a prominent apeaker from the concrete industry and take part in a minifessional annuinase

The annual event allows for undertrieduates greduate students, professors, young engineers, experienced PEIs, company presidents, and other groups of people to nativork learn about state of the art concrete practices, and gain a deaper annienation for the concrete inquetry

The idea to organize Concrete Day came up during the first general meeting because the Auburn chanter of ACI had a dealer to promote te knowledge of concrete and natwork with concrete industry. representatives. The event has taken place

How did the students decide to design concrete bowling bells?

Our chapter every year sands a student competition team to national convention of ACI. The next convention is on March 24-28 in Sait Lake City, UT, and the student competition is FRC bowling ball Until last year we were having students working on the concrete comnettion for ecout one month before the convention. To motivate them to work early, to prepare them well and to WIN in Selt Lake City, we came up With a Nillant Idea Denartmental Train We offered student team's \$500 cash prize and the chance to represent AU at the Convention in SLD.

CONCRETEWORKS





Probably the most motivated were by ACI such as the bell's weight and diameter students interested in heying heride-on. In addition, the students knew that the del experience. We had an introductory meet up with the prospective contestants to inspire them by showing the previous year competition videos. Dur faculty offered students their mentorship which was also a significant factor when deciding to perticipate in the trials.

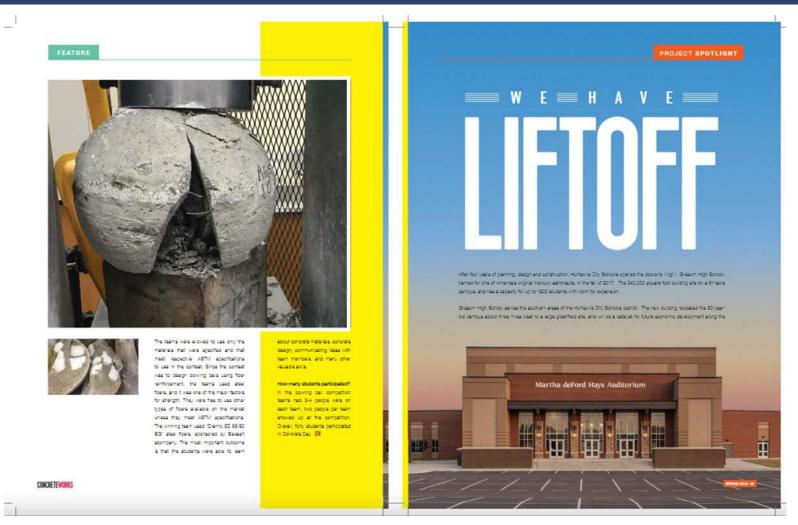
CONTENT FACTS

to choose a team to represent Auburn University in FRC Bowling ball competition: at AD convention in Selt Lake City, UT, After the tries were ennounced, there were initially five teams registered and just two teams which was hald on Monday, Fap. 12th.

There were six categories of the competition, which included the real powing with the concrete call the students designed. They each had to meet cartain criteria rivescribed

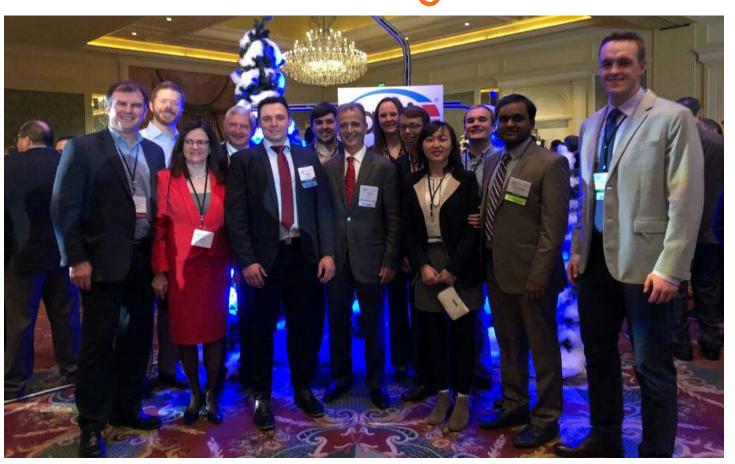
would exceed the weight capacity if the ball was solid concrete, so both teams included foam in the center to decrease weight The competitors also made the balls as acon sa they could in order to pagin the during process and get the most strength gossicle before the competition. Out of the six categories, the bowing and strength test were the most interesting. The competition The objective of having the contest was was set up to look like in a real bowing lane The bowling was very exciting, not just for the contestants, but for the audience, too They glayed three rounds, there were some strikes anares and missed bowls. Both teams performed well, and each team had showed up on the day of the competition. Their drawbacks. However, at the end of the competition, they had more confidence and learners from their evinerience

> What are some components of concrete that made it a good product to use for the bowling bell?



ACI SPRING CONVENTION SALT LAKE CITY

6 Grad & 3 Undergrad Students



ACI SPRING CONVENTION SALT LAKE CITY



Photo courtesy of springsaltlakecity.shutterfly.com

Questions?

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