



Construction Management and Civil & Construction Engineering Department Advisory Board Meeting

April 25, 2018

Agenda

- ◆ ASCE Student Chapter Update
- ◆ ASC/TEXO Heavy Civil Student Competition
- ◆ Shelter Team (Bray & Manry)
- ◆ Sigma Lambda Chi Honor Society (Tramel)
- ◆ 2018 Student Awards
- ◆ EIT Update (Dean Whitman & Webre)
- ◆ Student Services (Henley & Flowers)
- ◆ Department Report (Tramel)
- ◆ ACCE Report (Bray)
- ◆ ABET Report (Jovanovic)
- ◆ Faculty Update
- ◆ Open Discussion

Introductions

- ◆ Industry Members
- ◆ Dean Dr. Whitman
- ◆ Lloyd Webre
- ◆ Vernard Henley
- ◆ Erin Flowers
- ◆ Kesha Robinson
- ◆ Students
- ◆ Faculty
- ◆ Please sign in for minutes

ASCE Deep South Competitions

- ◆ 14 students attended
- ◆ Steel Bridge
- ◆ Concrete Canoe
- ◆ Surveying
- ◆ Mystery Event

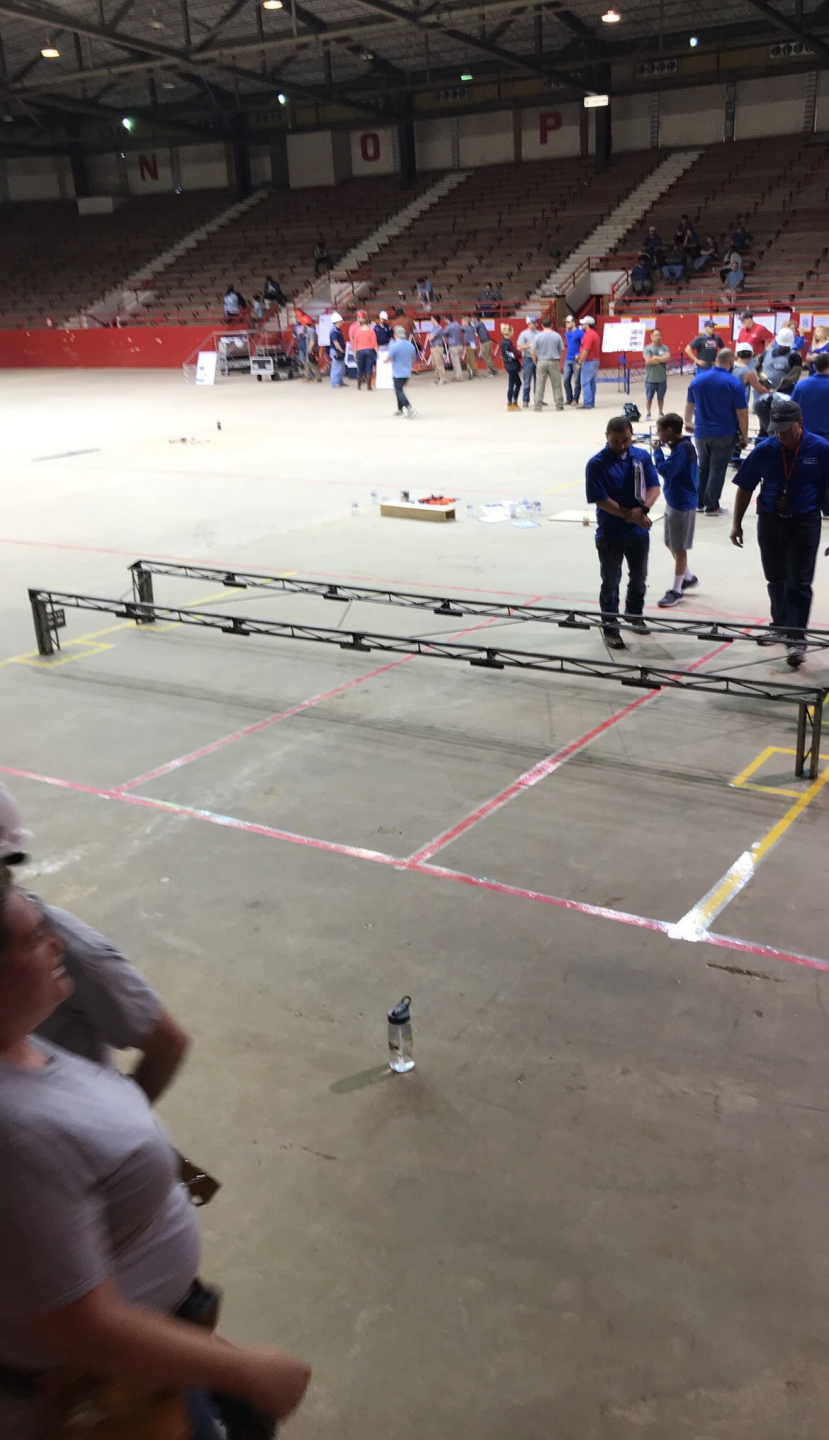
Base Camp for UA Little Rock



Steel Bridge Team







Survey Team



Mystery Event Team



Mystery Event

Cardboard and Duct Tape Boat



Concrete Canoe Team



Concrete Canoe First Race





ASC/TEXO Student Competitions

- ◆ \$2000 from the Arkansas Chapter of AGC Highway Division for Heavy Civil Team
- ◆ Rogers Group sponsored team shirts
- ◆ \$2000 from Arkansas Chapter of AGC Building Division for Commercial Team
- ◆ CDI Construction Sponsored the Team Shirts

ASC/TEXO Region V Heavy Civil 3rd Place

- ◆ Larry Blackmon (Coach)
- ◆ Casey Baker
- ◆ John Coleman
- ◆ Julie Sanders
- ◆ David Greenwood
- ◆ Jonathan Henderson
- ◆ Johnny Picking



Disaster Shelter Competition

Heat Retention 2nd Place

- ◆ David Manry(Coach)
- ◆ Joe Lansden(Coach – Baldwin & Shell)
- ◆ Meridith Williams - Senior
- ◆ Daniel Earls – Sophomore
- ◆ Dylan Ortman - Sophomore
- ◆ Weston Jones - Senior
- ◆ Miguel Valderrama – Senior
- ◆ Alex Cohen - Freshman
- ◆ Vianca Martin - Senior

2018 Disaster Shelter Team



Assembly



Presentation



Lot of Food



Timed Assembly



Timed Assembly



Timed Assembly



Earthquake Test



Heat Retention Test



Deluge Test



Wind Test

Passed 50 mph for 5 min
Failure at 110 mph



Thanks to Joe Lansden
VP Construction Services



DELTA IV Award for SLC

- ◆ Mike Tramel Faculty Advisor
- ◆ Anna Friemal (Nabholz) President
- ◆ Silver Award for 2017



Sigma Lambda Chi

- ◆ Started with nine members in 1999
- ◆ Today there are 208 members
- ◆ May 4th will induct eight new members

Sigma Lambda Chi

December 10, 1999

- ◆ Mike Tramel
- ◆ Clay Gordon - Kinco
- ◆ Patrick Schroeder – Baldwin and Shell
- ◆ Pamala Lewis (Christian) – OSHA
- ◆ Arlan Monroe – Harco Construction
- ◆ Tim Ford -
- ◆ Audrey Tinker
- ◆ Drew Welch
- ◆ Lee Niles

Student Academic Awards

Must have overall GPA of 3.5 or higher

Civil and Construction Engineering

◆ Nicole Compton CVCE

◆ Jonathan Henderson CVCE

◆ David Greenwood CVCE

◆ Jonathan Picking CVCE

◆ Sandeep Munot CNMG

◆ Daniel Trotta CVCE

◆ Amanda Hall CNMG

◆ William Beggs CNMG

Industry 2018 Awards

- ◆ Dr. James Blacklock Foundation Award
- ◆ Darragh Company Sponsorship Award

EIT Update

◆ Dean Dr. Whitman

- Open House April 27, 2018 1:00 to 3:00 pm
- EIT Awards April 27, 2018, 4:30 to 6:00 pm

◆ Lloyd Webre

- Tyler Welch Event

◆ Vernard Henley

- Scholarships

◆ Erin Flowers

- Student advising

EIT Open House



GEORGE W. DONAGHEY
COLLEGE OF ENGINEERING AND
INFORMATION TECHNOLOGY
UNIVERSITY OF ARKANSAS AT LITTLE ROCK

YOU'RE INVITED TO THE

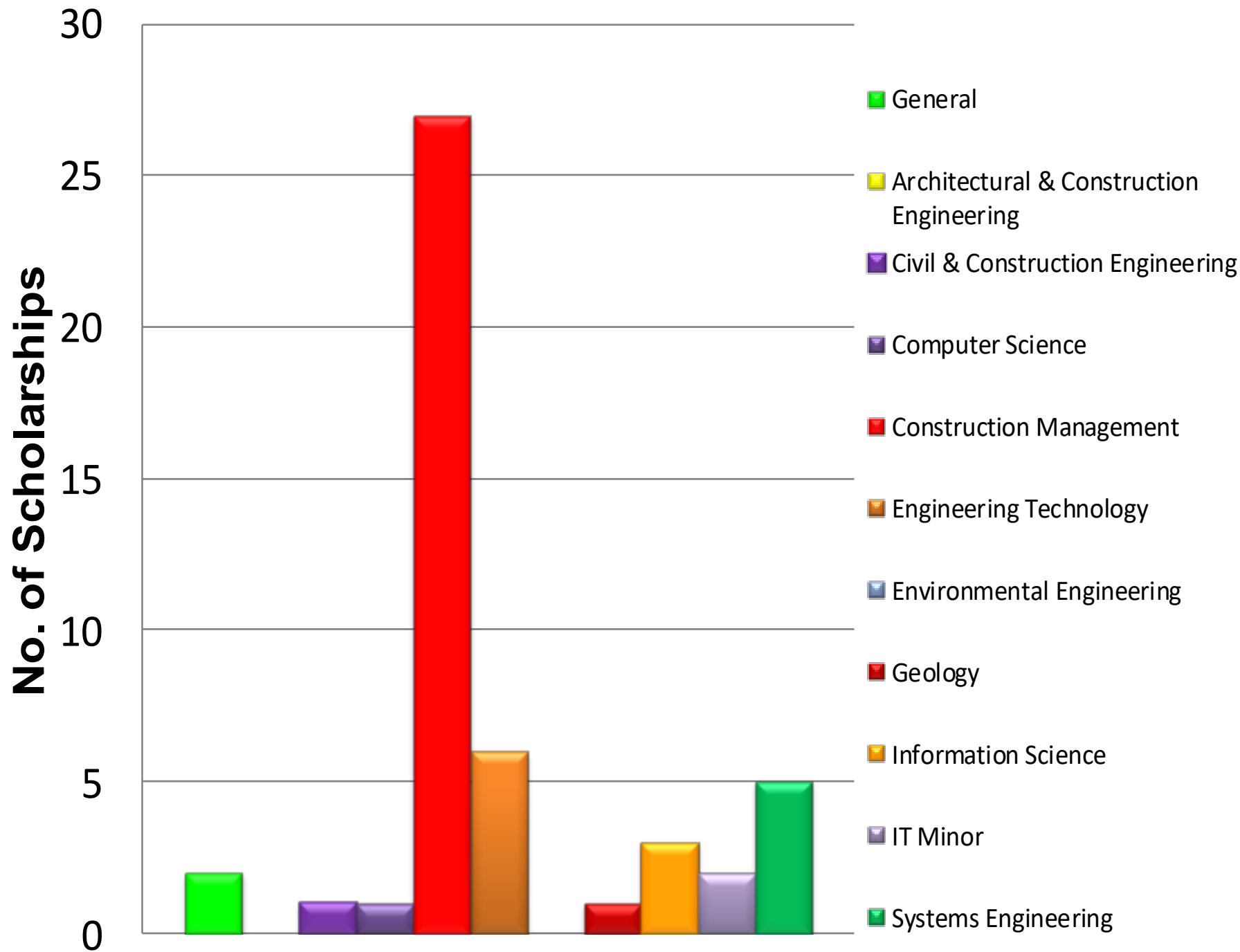
3rd Annual

**OPEN
HOUSE**

**FRIDAY, APRIL 27
1:00 - 3:00**

COME AND CHECK OUT SOME OF THE
GREAT THINGS THAT WE ARE DOING!

<http://ualr.edu/eit/open-house/>



2016-2017 Scholarships

- ◆ Funded 42 students
- ◆ \$110,000 range was \$500 to \$4500
- ◆ Amy Frets did an audit and found \$20,000 in a University Account from the Arkansas Contractor's Licensing Board (ACLB) from when the university accounts were set up
- ◆ ACLB funds can not be deposited into a foundation account only an university account

Department Enrollment Report

- ◆ The Fall 2017 enrollment had 49 new students with 27 new freshman
- ◆ The Spring 2018 enrollment had 47 new students
- ◆ Department has a total of 260 students

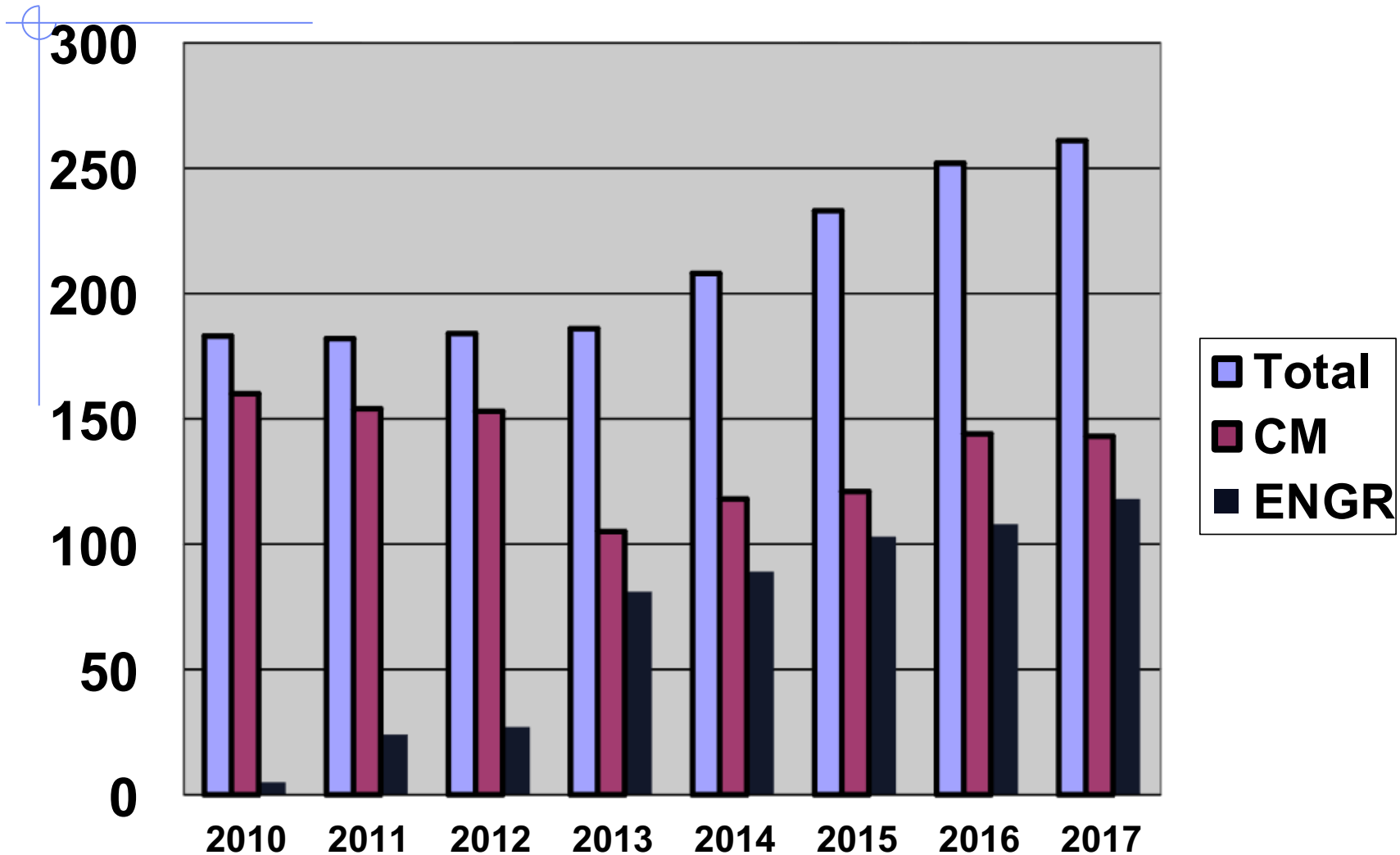
Construction Management

- ◆ 143 total majors
- ◆ Associate of Science has 1 student
- ◆ Bachelor of Science has 115 students
- ◆ Bachelor of Professional Studies has 2 students
- ◆ Master of Science has 25 students

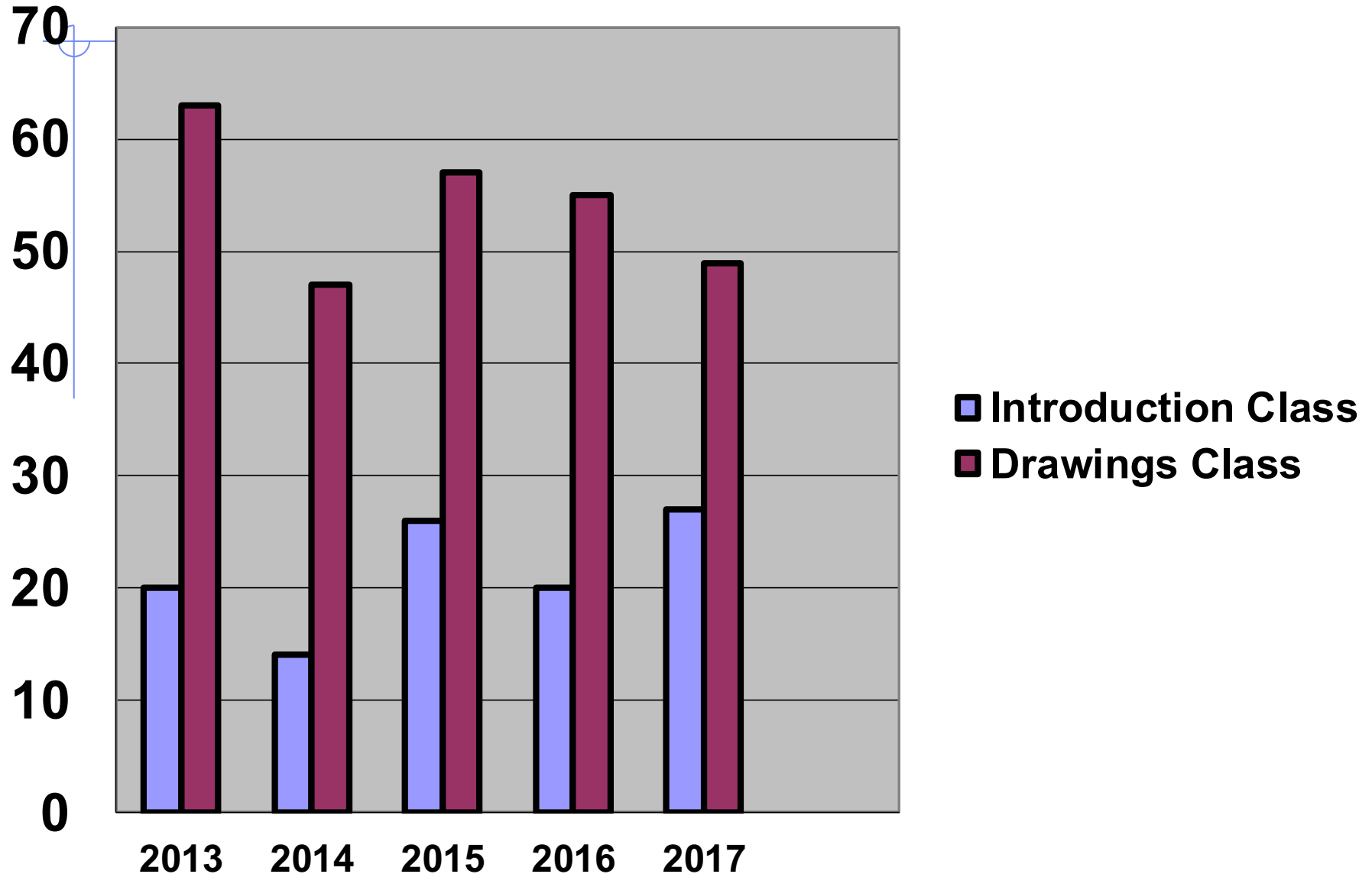
Engineering

- ◆ Total of 118 engineering students
- ◆ Civil & Construction Engineering has 81 students
- ◆ Architectural & Construction Engineering has 18 students
- ◆ Environmental Engineering has 19 students

CNMG, CVCE, ARCE, & ENVE Totals



Freshman Enrollment Trends



Department Graduation Report

Fall 2016 and Spring 2017 (Approved)

- ◆ 45 Total graduates
- ◆ 31 Construction Management
- ◆ 13 Civil & Construction Engineering
- ◆ 1 Architectural and Construction Engineering

ACCE Update

- ◆ Dr. Bray submitted the first year report
- ◆ All concerns removed
- ◆ No third-year report required

Engineering Update

Dr. Nick Jovanovic

◆ Civil and Construction Engineering

- Initial Graduating Class: May 2013
- Re-accredited in 2015

◆ Architectural and Construction Engineering

- Initial Graduating Class: May 2017
- Initial ABET visit September 2017

◆ Environmental Engineering

- Initial Graduating Class: May 2020 (?)

ABET PEO Review

- ◆ Civil and Construction Engineering
- ◆ Program educational objectives (PEO's) are broad statements that describe what graduates are expected to attain within a few years after graduation.
- ◆ PEO's must be consistent with the needs of the program's constituencies.

Program Constituencies

◆ Employers and Potential Employers

- Construction companies
- Engineering design firms
- Government agencies
- Vendors

◆ Professional Societies

◆ Faculty

◆ Alumni

In other words, all of you!

PEO 1

Produce graduates who rapidly become certified Engineer Interns (EI) and Associate Constructors (AC) employed in architecture, engineering, construction, or related fields or pursuing graduate or professional education in engineering, business, law, architecture, etc.

PEO 2

Produce graduates who become licensed Professional Engineers (PE) and/or Certified Professional Constructors (CPC) after gaining the required professional experience and the requisite knowledge to pass the licensing and/or certification exams.

PEO 3

Produce graduates who engage in lifelong learning, through on-the-job training, participation in professional societies, additional formal education, continuing education and professional development, research, and self-study, in order to use state-of-the-art knowledge to design and build safe and effective buildings and/or provide high quality service to the general public, employers, clients, and other professionals.

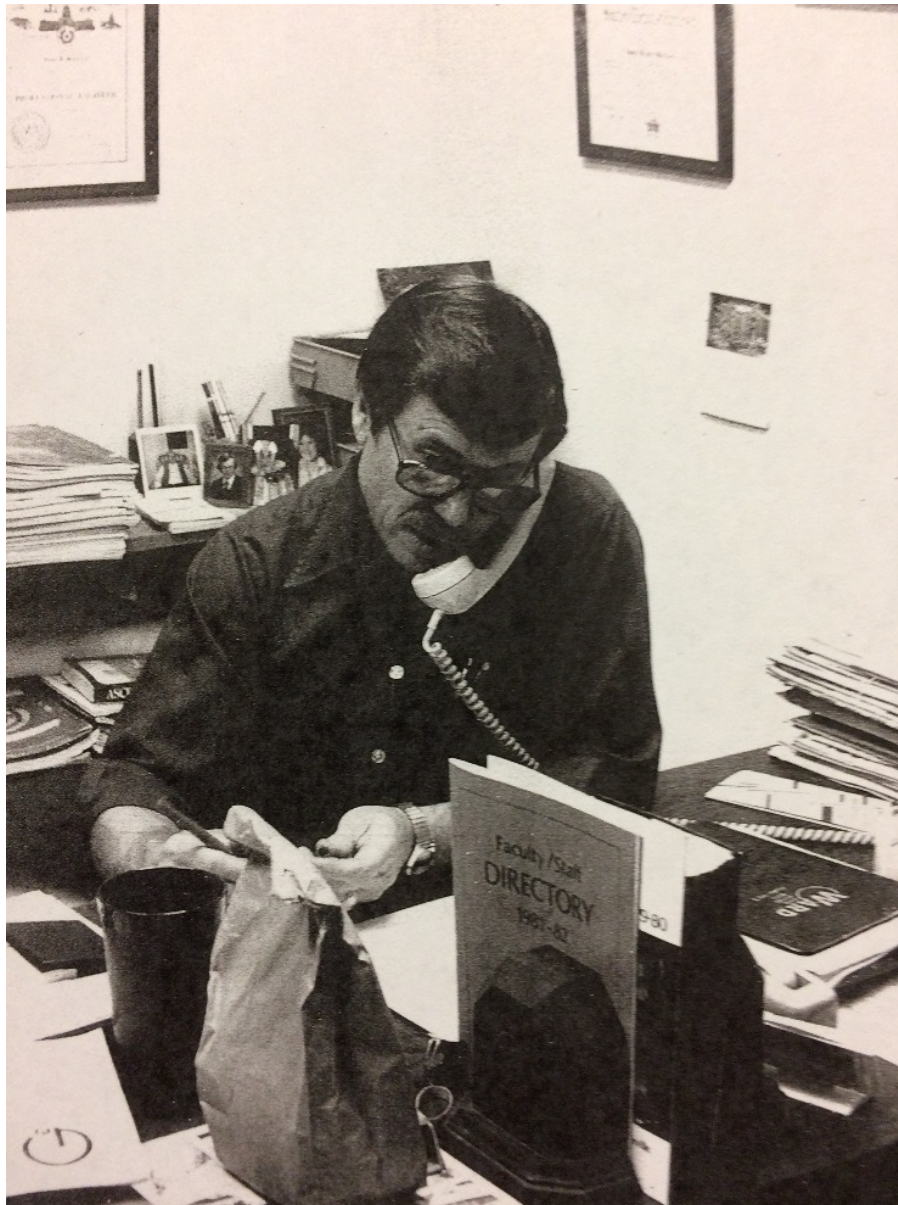
Motion – Mike Callahan

- ◆ PEO's 1, 2, and 3 are consistent with the needs of program constituencies.
- ◆ If you have suggestions for revisions to the PEO's, please contact:
 - Mike Callahan: mcallahan@cromwell.com
 - Joe Hilliard: jhilliard@cromwell.com
 - Nick Jovanovic: nsjovanovic@ualr.edu

Faculty Updates

- ◆ Dr. Blacklock is retiring after 40 years at UA Little Rock
- ◆ Mike Tramel is stepping down as Department Chair
- ◆ Dr. Bray has been elected by the Department as a recommendation for new Chair with pending approval of the Dean and Provost

Dr. Blacklock 40 Years Ago



BEST Robotics

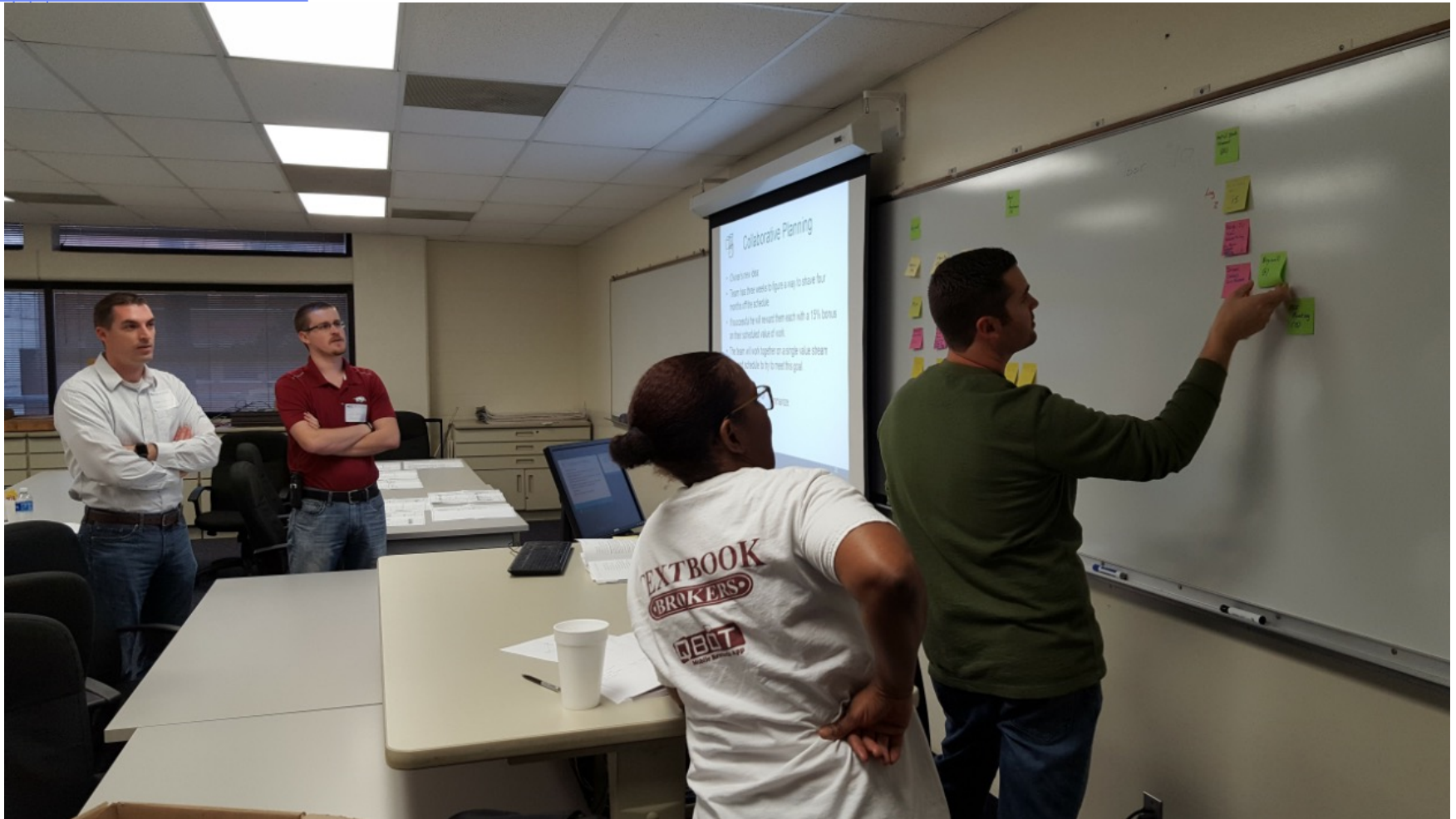
- ◆ Competition fields built by John Mark Squires and his students



Boosting Engineering, Science & Technology™

Dr. Bray AGC Lean Class

AGCARKANSAS



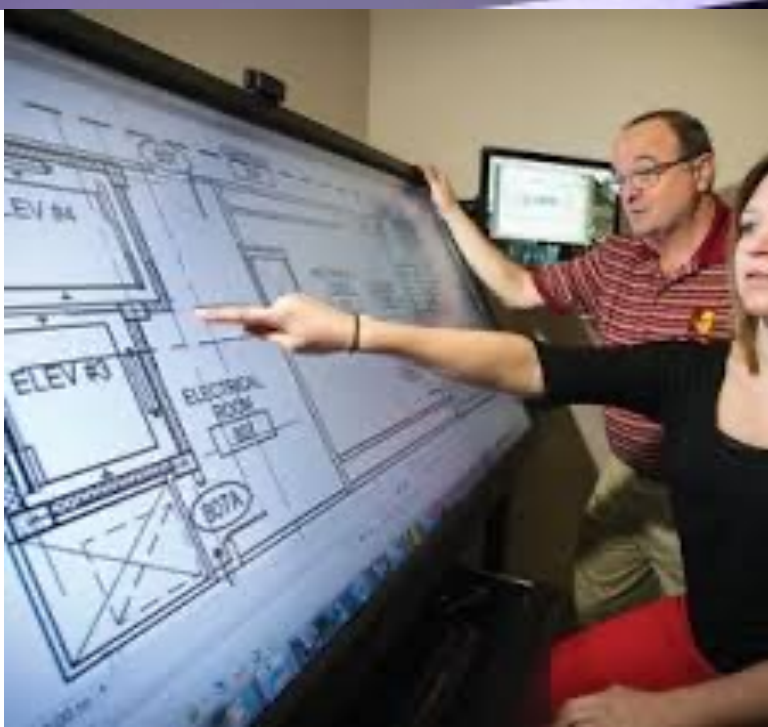
Department Needs

- ◆ Funding to complete the new BIM lab
- ◆ Funding for the Department due to budget cuts

Dr. David Manry BIM Lab

- ◆ Dr. David Manry provided \$21,600 by Dean Dr. Whitman as part of his start up funding
- ◆ This has allowed for ten computers and 70 inch touchscreen room monitor
- ◆ Hardware to make touchscreen wireless
- ◆ Need additional \$15,000 for more computers and portable I-Plan Tables

I-Plan Tables



Lashun Massey

Mrs. Little Rock



Mrs. Arkansas Competition

- ◆ EIT Donated \$500
- ◆ CNMG & CVCE Department \$500
- ◆ Clark Powers, Mike Hocutt \$400
- ◆ The competition cost over \$5000 for registration, platform, media, pageant training, and wardrobes
- ◆ Donations are being accepted

Open Discussion

- ◆ Please feel free to ask any question you might have or provide comments