CEAE Executive Advisory Board

Agenda

• Meeting Objectives and Overview
• Engineers Without Borders
• Bridges to Prosperity
• Build Change
• Lunch and Enrichment Director Discussion
• Development Update
• Department Update and Strategic Plan Discussion
CEAE Executive Advisory Board

Joseph Adams  
President, E& I, MWH Global, Inc.

Bud Ahearn  
V.P., Emeritus, CH2M Hill

Paul Brinkman  
President & CEO, Brinkman Partners

Teal Brogden  
Sr. Principal, Horton Lees Brogden Lighting

Marco Campos  
Principal/Founder, Campos EPC

James Case  
Sr. Principal, Uzun & Case Eng.

Bill Green  
President, RMH Mechanical

David Gupta  
President, SDI

Kevin Kayse  
President, Gekko Engineering

David Lewis  
President, S.A. Miro, Inc.

Jim Lewis  
President Emeritus, Obvius

Wayne Lorenz  
President & Sr. Eng., Wright Water Eng.

Scott McNary  
Partner, McNary, Bergeron & Assoc.

Ben Nelson  
Principal, Martin/Martin Engineers

Kristy Schloss (incoming)  
President, Schloss Engineered Equip.

Richard Tocher  
Sr. Geotechnical & Civil Engineer

Steve Vance  
President Emeritus, Broce Const.

CEAE Executive Advisory Board is to act as an advisory body to the Department Chair through:

• advising on **a strategic vision and programs** that will have an impact on students, engineers and society;

• encouraging **resource development** through advocacy for state and federal funding, and private gifts to benefit the Department, its students and its stakeholders;

• **recognizing achievements of alumni** of the Department and others; and

• **advocating publicly** for the Department and the University of Colorado at the state, federal and global levels.
CEAE Executive Advisory Board

Primary objective of our meeting today…

1. Learn about the impact of engineering service-learning opportunities
2. Provide advice for a successful Enrichment Director position
3. Provide advice for the new location of the engineering department

CEAE Overview

CEAE Vision

The CEAE department aspires to lead in extraordinary education and research for the sustainable development, management and safety of civil and architectural infrastructure systems – serving society in harmony with our natural resources.
CEAE Vision

Serve society in harmony with our natural resources

By the numbers

Rankings…

- Ugrad - 19th overall & 13th among publics
- Grad - 15th overall & 9th among publics
- Doctoral - Ranked as high as the top 5%

- 7 NSF CAREER Award Winners
- 4 National Academy Engineering Members (one emeritus)
- 1 Pan-American Academy of Engineering

Top USNWR department ranking in the college by # of programs
By the numbers

Research...
86 Grants totaling $10M in 2013

By the numbers

Students...

931 students
• 657 undergraduate students
  • 292 CVEN (+17% in 5 years)
  • 149 AREN (-46%)
  • 216 EVEN (+200%)
• 274 graduate students
  • 158 MS (+58%)
  • 116 PhD (+61%)

15:1 Ugrad/Fac Ratio
6:1 Grad/Fac Ratio
3:1 PhD/Fac Ratio

CEAE teaches ~15,400 student credit hours – most in the College
By the numbers

Development…

- $7.6 M in current Capital Campaign
- #1 ranked department on Boulder campus

Chairs ($2M)
  - Mortenson

Professorships ($500K)
  - Mortenson & Petry

Faculty Fellowships ($100K)
  - Bennett-Lindstedt, Ivanoff, Clark, DiLaura, Beavers & Lewis-Worcester

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CEAE 2013-2018 Strategic Plan

- People
- Places
- Programs
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People: Objective 1 – Increase Enrollment

• Engagement in high school recruiting
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Programs: Objective 1 – More Top Students

- EWB & CU course in Panama, Oct 5-11, 2014

CU will provide academic credits through its “extraordinary” continuing education program

CU will provide CEUs for professionals
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Programs: Objective 3 – Enrichment Experience

- Internships
- Research
- Study Abroad
- Service Learning

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Objective 1
CUAE will broaden its research efforts as it takes on international research and educational collaborations.

- Attain high research-quality international students and faculty members
- Enhance the academic and research opportunities for faculty and students

Objective 2
Continuously improve laboratory and instructional facilities.

- Laboratory space will be improved to provide the necessary facilities to support the academic and research needs of the students and faculty
- Enhance the academic and research facilities

Objective 3
Expand the Residential Academic Program to give students a more valuable educational experience.

- Implement the Residential Academic Program in order to provide a more immersive educational experience
- Enhance the academic and research facilities for the Residential Academic Program
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Places: Objective 1 – Continuously Improve Laboratory and Instructional Facilities