Arizona State University

Dr. Samuel Ariaratnam

Del E. Webb School of Construction Programs

Arizona State University - Tempe, AZ
New Structure

School of Sustainable Engineering and the Built Environment (Edd Gibson—Interim Director)

- Del E. Webb School of Construction (Edd Gibson—Program Chair)
- Civil, Environmental and Sustainable Engineering (Mike Mamlouk—Program Chair)
- Construction Engineering (approved Oct 2010) (Program Chair TBD)

Fulton Schools Vision

Engineering vision
Leading Engineering Discovery and Innovative Education for Global Impact on Quality of Life.

Engineering mission
SEBE Programs

- Civil, Environmental and Sustainable Engineering
  - Degree Programs
    - ABET accredited BSE, CE
    - Non-thesis MSE, CESE
    - Thesis MS, CESE
    - Ph.D., CESE
- DEW School of Construction
  - ACCE accredited BS CM
  - Non-thesis and thesis MS, CM
  - Ph.D., CM
- Construction Engineering (NEW)
  - ABET accredited BSE (2013)
  - Non-thesis MSE

SSEBE Enrollment

Undergraduate Student Enrollment
Civil, Environmental and Sustainable Engineering (CESE)
Del E. Webb School of Construction (DEWSC)
- CESE
- DEWSC

Undergraduate Degrees Awarded
Civil, Environmental and Sustainable Engineering (CESE)
Del E. Webb School of Construction (DEWSC)
- CESE
- DEWSC
FULTON schools of engineering  sustainable engineering and the built environment

SSEBE Enrollment

Graduate Student Enrollment
Civil, Environmental and Sustainable Engineering (CESE)
Del E. Webb School of Construction (DEWSC)

Graduate Degrees Awarded
Civil, Environmental and Sustainable Engineering (CESE)
Del E. Webb School of Construction (DEWSC)

Research

- DEWSC Research
  - $1.4 M expenditures FY 2010, DEWSC
  - Trend is up 40 percent in three years

- Hiring:
  - New hire this year
    - Innovations in Design and Construction of Infrastructure Systems
### Strengths

- Strong faculty (11)
- Eight faculty hold P.E. Licenses
- DEWSC has an international reputation
- CM and ConE in the same School
- Two mandatory internships for DEWSC
- Second language requirement considered for ConE
- Good support from Dean’s level
- Excellent Industry Support
- Significant annual giving and endowed funds
- Phoenix Metro Area – 6th Largest in USA

### Challenges

- **Resources**
  - Facilities (limited space)
  - Money (2011)
  - Time (not much)
- Administrative turnover and alignment
- Aging faculty
- Curriculum reflects old paradigm (120 hours)
- Cultural change toward collaboration
DEWSC Priorities in 2011

- Hiring of new and diverse faculty
- More engagement of the industry advisory board for the School
- Curricula revisions
- Student retention/growth
- Growth in endowments
- International programs

The Greatest Challenge Today

"By God, gentlemen, I believe we've found it—the Fountain of Funding!"
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