



# Northeastern

**Department of Civil and Environmental Engineering Distinguished Seminar Series**

**If I knew then, what I know now....**

**G. Edward Gibson, Jr., PhD, PE, NAC**

Director, School of Sustainable Engrg and the Built Environment  
Professor and Sunstate Chair of Construction Mngt and Engineering  
Arizona State University

**Monday, April 10, 2017 12:00 pm-1:00pm**  
**458 Richards Hall**

## **Abstract**

This presentation will start with a discussion of the unique structure and environment of the School of Sustainable Engineering and the Built Environment at ASU, and its potential implications to other programs, both positive and negative. The presentation will also summarize 26 years of research investigation focused on early project planning, including evaluation of over 1300 projects representing more than 250 organizations, and \$110 billion in capital expenditures. It will outline key learnings about engineering, leadership, culture, management practices and risk management gleaned from this research focus. It will conclude with lessons highlighting the intersection between early project planning practices and academic program leadership, with some surprising insights.

## **Biographical Sketch**

Dr. Gibson is currently the Director of the School of Sustainable Engineering and the Built Environment (SSEBE) at Arizona State University where he oversees several educational programs encompassing over 60 faculty and 75 staff members, 1700 students, research expenditures of over \$16.5 million per annum, \$19 million in endowments, and a yearly operational budget of over \$10 million. He recently led development and significant fundraising for a new 130k gsf building on campus that houses his School. In addition to ASU, he has served on the faculty of North Carolina State, University of Texas at Austin and University of Alabama, Tuscaloosa. His educational background includes a B.S. and Ph.D. in Civil Engineering from Auburn University and an M.B.A. from the University of Dallas. He has been PI or co-PI on almost \$9.5 million worth of funded research in his career with research and teaching interests that include front end planning, organizational change, asset management, alternative dispute resolution and risk management among others; he has received many awards for excellence in research and teaching. He is the developer of the CII Project Definition Rating Index tools, has consulted with over 50 organizations, and taught over 200 short courses to industry. He has been active on many national committees, among them several National Research Council committees, Department of Energy Committees, the Architectural Engineering Institute, and also served as a Fulbright Senior Specialist in Norway in Fall 2004. Dr. Gibson has several years of industry experience, served as an Army officer, and is a licensed professional engineer in Texas. He is an elected member of the National Academy of Construction and a Fellow in the American Society of Civil Engineers. He was awarded the 2016 ASCE R. L. Peurifoy Award for outstanding research.



# **G. Edward Gibson, Jr.** Ph.D., P.E.

**Professor and Sunstate Chair of Construction Management and Engineering**

**Director, School of Sustainable Engineering and the Built Environment**

**ARIZONA STATE UNIVERSITY**

## Education

- **PhD in Civil Engineering, *AUBURN UNIVERSITY, 1990***
- **MBA in Engineering Management, *UNIVERSITY OF DALLAS, 1987***
- **B.S. in Civil Engineering, *AUBURN UNIVERSITY, 1980***

## Research Interests

- **Front end Planning**
- **Risk Management**
- **Construction Productivity**
- **Asset Management**
- **Electronic data management in heavy civil, industrial and building construction**

## Selected Service and Awards

- **Lead over \$ 9 million in funded research from sponsors such as NSF, Construction Industry Institute, NRC, Alfred P. Sloan Foundation, Texas DoT and NOAA**
- **Fellow in ASCE**
- **Elected, National Academy of Construction**
- **U.S. Dept. of State, Fulbright Senior Specialist Grant to Norway**