The Current and Changing Workforce Landscape and the Role of Engineering Societies in Advancement of a More Inclusive Engineering Profession

by

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Room 2355 GGBL

Abstract: According to recent reports by the Bureau of Labor Statistics (BLS), 11% of all engineers identify as female, while 7% of all civil engineers (exclusive of environmental engineers) identify as female. According to the Engineering Workforce Commission (2010), 19.7% of all civil engineering degrees were awarded to women, raising the question of persistence in career. In the BLS race/ethnicity categories, 19% of all engineers identify as Black or Other, while 16% of all civil engineers identify as Black or Other. When looking at anticipated growth, civil engineering outpaces almost all other engineering disciplines and is expected to grow 24.3% by 2018.

An overview of the civil engineering and geotechnical engineering landscape (demographics, graduation data, and workforce data) will be presented, with attention to the changing landscape of the US engineering workforce. Sandra Houston, will share her experiences as immediate past Chair of ASCE’s Committee on Diversity and Inclusion, and will discuss the role professional societies have taken in advancing the profession. Details will be provided on what leading organizations are doing to identify opportunities and to reduce barriers for participation, with particular emphasis on available resources. Houston will share her personal experiences as a female geotechnical engineer and invite audience participation in identifying opportunities and barriers.

(From www.asce.org/diversity/Diversity-Programs/New-Faces/New-Faces-of-Civil-Engineering/)

******Reception to follow in 2355 GGBL******