



Recent Advances in Column Technologies to Improve Soft Foundations

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SPEAKER'S BIOGRAPHY

Prof. Jie Han is a full professor at Department of Civil, Environmental, and Architectural Engineering at the University of Kansas in the United States. He was elected to the ASCE Fellow in 2014 and is now serving as the president of the International Association of Chinese Infrastructure Professionals. Prof. Han's research and practical experiences have dealt with geosynthetic-reinforced earth structures, ground improvement, pile foundations, buried structures, and roadways. He has conducted extensive research on geogrid and geocell-reinforced unpaved and paved roads in the past ten years. Prof. Han has authored or co-authored four technical books, edited or co-edited four ASCE Geotechnical Special Publications, and published more than 300 peer-reviewed journal and conference papers. He has received a number of research grants with more than 8.0 million dollars totally as a principal or co-principal investigator and received a number of awards for his outstanding research.

Date: 6 September 2019 (UIday)

Time: 2:30 p.m. – 4:30 p.m.

Venue: Room Z409, 4/F, Block Z,
The Hong Kong Polytechnic University
181 Chatham Road South
Hung Hom, Kowloon, Hong Kong

ABSTRACT

Columns, such as stone columns, geosyntheticencased stone columns, deep mixed columns, and rigid inclusions, have been increasingly used to support superstructures and embankments when they are constructed on soft foundations. However, the composite columns and the combined technologies have presented complicated geotechnical problems in design and construction. This presentation summarizes different types of column technologies and their functions and applications, discuss key design issues, and review recent research and developments related to the column technologies to improve soft foundations.

*** All Interested Are Welcome ***

For further information, please contact Dr Zhen-Yu Yin at Tel. 3400 8470

Free Admission. Please reserve your seat with Austen Lou by email:

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Certificates of attendance will be provided to participants if they attend the whole lecture.