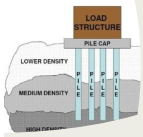

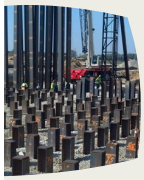

UCI Samueli School of Engineering | Department of Civil and Environmental Engineering

Presented By:

Vincent Jue
Managing Partner
Champion Equipment Sales, LLC

Civil Engineering Seminar Series

Wednesday, May 24th, 2017
MDEA
10:00AM - 10:50AM

State of Practice Techniques for Drilled Shaft Foundations

Deep foundations are integral elements of modern infrastructure systems and range from small diameter (<12 inch) micropiles to large diameter drilled shafts (> 24 inch). This presentation will provide an overview of state of practice techniques for design, construction and quality assurance of drilled shaft foundations and provide applications for various other foundation technologies. Within the application of retention systems, a discussion on various systems, such as diaphragm walls, secant pile walls, soil nail walls, and soil mix walls will be provided. Two case studies from recent work in the immediate Southern CA area will presented.

Vincent graduated from Harvey Mudd College with a BS in Engineering. He has over 25 years of experience in the underground engineering industry and currently the principal at Champion Equipment Company, Champion Sales, Paramount Metal & Supply Company, and Vice President of Soilmec North America. His specialties include foundation drilling, mechanical engineering and metal fabrication and design. Vincent is currently a member of ASCE, DFI, ADSC, AEM (association of Equipment Manufacturers), AWS (American Welding Society), SME (Society of Manufacturing Engineers), AMS Intl. (Society for Advanced Materials & Processing). He is the original inventor on 3 U.S. and foreign patents.

Questions? - cee@uci.edu - (949) 824-7548