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SEMINAR

Optimizing design through bearing capacity evaluation of long, large-diameter, open-ended piles

By

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Abstract

Recent changes in port construction in Japan include the use of deeply embedded large-diameter steel pipe piles. However, little change has been made to the procedure for estimating the bearing capacity of piles. An international comparison of bearing capacity estimation techniques and examination of the bearing capacity mechanism of open-ended piles were conducted. In this study, the plugging phenomenon was thoroughly investigated by means of field loading tests, large- and small-scale laboratory experiments with X-ray CT scanner.

Date : 14 July 2009, Tuesday
Time : 2:30 pm – 4:00 pm
Venue : Room 3574 (Lift 27/28)
Conference Room of Dept. of Civil & Environmental Engineering
Chia-Wei Woo Academic Concourse
The Hong Kong University of Science and Technology
Language: English

Biography

Dr Kikuchi obtained his Bachelor's, Master's and PhD degrees in 1981, 1983, and 2002, respectively, all from the University of Tokyo. He has been a Research Engineer with the Port and Harbour Research Institute (later Port and Airport Research Institute) of the Ministry of Transport since 1983. He was promoted to Head of the Foundations Laboratory in 1996, Head of the Foundations Division in 2001, and Director of the Geotechnical and Structural Engineering Department in 2009. Dr Kikuchi was an Overseas Fellow at Norwegian Geotechnical Institute from October 1990 to September 1991. Currently he is also a Visiting Professor of Yokohama National University and Kumamoto University.

***** ALL ARE WELCOME *****

Remark: This seminar is free of charge and no prior registration is required. The number of participants is limited to 30 and the seats will be allocated on a first-come-first-served basis. For enquiries, please contact Ms Rebecca Yau at Tel: 2358 7164.