

GEOTECHNICAL SEMINAR JOINTLY ORGANIZED BETWEEN GEOSS AND CENTRE FOR SOFT GROUND ENGINEERING, NUS

on

Raft Foundations for Tall Buildings

by

Dr. I. H. Wong

Mitic Associates, Singapore

Date:	Wednesday, 14 March 2008
Time:	6:30pm Reception 7:00pm Seminar
Venue:	LT-6 Faculty of Engineering National University of Singapore

SYNOPSIS

The lecture will review the principles of the geotechnical aspects of the design of raft foundations. Several case histories of raft foundations for tall buildings will be presented. An alternative approach on the use of settlement reducing piles will be discussed.

THE SPEAKER

A principal consultant with Mitic Associates since early 1998, Dr. Wong is a registered professional engineer (Civil and Geotechnical) with over thirty nine years of experience in the field of geotechnical and civil engineering. This experience extends over a wide range of civil engineering facilities. He obtained a BSc degree in Civil Engineering with First Class Honours at Imperial College, and his master's and doctorate degrees in geotechnical engineering from the Massachusetts Institute of Technology. He was head of the geotechnical services department at Ebasco Services Inc in New York and project manager and technical consultant at Dames and Moore in New Jersey, and also an Adjunct Professor in Civil Engineering at Columbia University and at Polytechnic University, both in New York. Dr Wong was also on the academic staff at the former University of Singapore and at Nanyang Technological University.

Dr Wong was a geotechnical consultant on a large number of projects involving deep excavations, underpinning of old buildings, highways, mass rapid transit, wharves, waterfront structures, high-rise buildings, refineries, tank farms, power plants, dams, wastewater treatment plants and ocean outfalls. A noteworthy project Dr Wong was the geotechnical project manager on is the Raffles City Complex in Singapore where all the high-rise towers, including the 73-storey building, are founded on rafts and where the hydrostatic uplift problem at the base of the three-level basement was solved with the adoption of a permanent under-drain system. Dr Wong has worked on projects located in the United States, Canada, the Middle East, Singapore, Malaysia, Brunei, Myanmar, Indonesia, India, China, Taiwan, Greece, Panama and the Caribbean islands.

Dr Wong is a Year 2000 winner of the Thomas A Middlebrooks Award from the American Society of Civil Engineers.

For catering purpose, please confirm your attendance by reply e-mail to: geoss@nus.edu.sg

**** Admission is free for members of Geoss. Non-members may register as members (S\$60 per annum) on the spot ****

Visitors may park their cars at the cashcard operated Car Park 2A opposite Blk E3A. Alternatively, free parking is available at the Car Park at Kent Vale. Free shuttle bus services are provided to transfer commuters from this location to their campus destinations. The location of the seminar venue is indicated on the Engineering campus map.