
American Society of Civil Engineers – Hong Kong Section Joint Technical Meeting with Civil Division, Hong Kong Institution of Engineers

Speaker: Chin Man Bill Mok, Ph.D., P.E., G.E., Senior Engineer and Hydrogeologist,
Geomatrix Consultants, Inc., U.S.A.

Title: Geotechnical Earthquake Engineering Design and Analyses of Major Toll
Bridges in San Francisco Bay Area

Program Highlight :

After the devastating 1989 Loma Prieta Earthquake, all bridges across the San Francisco Bay were in dire need of retrofitting. Tremendous effort has been undertaken not only to retrofit but also to construct new replacement bridges. State-of-the-art technologies were introduced to analyze and design these bridges. Many of the methods adopted were the results of the hard-learned lessons from recent strong earthquakes. Dr. Mok was the geotechnical earthquake engineering lead on many of these projects. In this seminar, he will present an overview of some of the research and engineering work he performed during the course of these projects. The topics covered will include seismic hazard, site response, topographic effects, foundation impedance, soil-foundation-structure interaction, liquefaction, and slope stability and deformation.

Date of Meeting: Friday, 14 February 2003

Time: 5:30 pm to 7:00 pm

Venue: Seminar Room, HKIE
9/F, Island Beverley, No. 1 Great George Street, Causeway Bay

Registration and Enquiry:

No prior registration is required but the maximum number of participants is restricted to 80. For enquiry, please contact Ir George Cheng (Tel: 2687 2267, Fax: 2567 4681, E-mail: gcwcheng@hotmail.com) or Ir Cheung Tsz-king (Tel: 2231 5622, Fax: 2576 6244, E-mail: sedes.hk@hyd.gov.hk).