



Department of Civil Engineering

C.P.D. Short Course on

Trenchless Technology for Urban Development

Syllabus:

This two-day course will provide opportunity to participants to learn about trenchless techniques which can be applied to locate, inspect, install and rehabilitate underground utilities without the need to open up the road so that traffic is not disrupted during the operation. Particular emphasis will be placed on the relative advantages and disadvantages of each technique, and the factors that influence the choice of technique for specific situations, including comparative costs of various methods. Videos and case studies of the various techniques in Hong Kong will be used to supplement the lecture material.

Dr. Samuel Ariaratnam has been involved in training, research, and education in trenchless construction methods since 1996. His research area has focused on the development of new technologies in construction engineering and applications of underground trenchless construction techniques, specifically Horizontal Directional Drilling and Trenchless Pipe Replacement. Through his research and educational initiatives, Dr. Ariaratnam has received the prestigious John O. Bickel Award from the American Society of Civil Engineers. Recently, he was awarded the 2003 Young Civil Engineer Achievement Award from the University of Illinois. He has published over 90 technical papers and reports, co-authored the "Horizontal Directional Drilling Good Practices Guidelines", and holds three patents. For the past four years, Dr. Ariaratnam has been an instructor at the "Advanced HDD Rock Drilling Seminar" held each December in Las Vegas. He currently serves on the Board of Directors of the North American Society for Trenchless Technology (NASTT) and speaks and consults internationally on horizontal directional drilling and pipe bursting.

Speakers:

Dr. Samuel T. Ariaratnam, Ira A. Fulton School of Engineering, Arizona State University, U.S.A.
Dr. J.T. Huang, Parsons Brinckerhoff (Asia) Ltd., Hong Kong
Dr. A.K.L. Kwong, Department of Civil Engineering, The University of Hong Kong

Continuing Professional Development Credit:

The short course is considered suitable for 2 CPD-day credits. A Certificate of Attendance will be issued to those who attend all sessions.

Dates:

April 15, 2005 (9:10 a.m. - 5:00 p.m.)
April 16, 2005 (9:15 a.m. - 4:30 p.m.)

Course Venue:

Room P503, P5 Level, Graduate House, The University of Hong Kong

Course Fee:

HK\$2,000. - (including course fee and notes) (Non-refundable)

Enquiries:

All enquiries about this short course should be made to Miss Aggie Sung, Department of Civil Engineering, The University of Hong Kong at 2859 1963. Please also visit our web site at http://www.hku.hk/civil/cpd_courses/.