



EAS-SRMEG Seminar

Thursday, 16 September 2010, 6 - 8 pm

State of Art of Geophysical methods for Civil & Underground Construction in Complicated Urban Area

(PDU pending approval)

Abstract:

In urban area, civil and underground construction works requires very accurate geological and ground data, but it is difficult to get full useful information through borehole survey due to limitation of land accessibility and economical reasons. Geophysical techniques which were originally used for mining and oil exploration have been updated and developed much in terms of accuracy and applicability. In order to verify geophysical properties of rock and soil for civil & underground engineering and construction, Various kind of geophysical survey methods, such as resistivity survey, electromagnetic survey, seismic refraction survey, GPR, Geo-tomography, BHTV and so on, have been applied from designing stage to operation stage for characterisation of better information for properties of rock and soil, especially in underground construction. In this presentation, basic concept of currently widely-used geophysical methods in surface and in borehole are introduced, and the applicability of geophysical survey methods and practical consideration for choosing specific survey method are suggested for better application of geophysical method for underground construction.

Speaker:



Mr. Seung Heo is a Consulting Manager and Director of Geogeny Consultant Group Inc and Geogeny Singapore Pte Ltd. He has 20 years of professional experience in various geophysical survey and interpretation. Mr. Seung Heo did his PhD on Geo Environment System Engineering in Seoul National University and has 16 years of experience in the area of tunneling construction and design. His experience includes analysis studies, engineering design as well as construction management and consulting.

Seminar Details

Venue : NUS Shaw Foundation Alumni House, Seminar Room 2

Date : 16th September 2010 (Thursday)

Time : 6 - 8 pm

This is an open invitation to all, free admission and light refreshment is provided. Please register early as seating is limited on a first come first served basis.

Please kindly **RSVP to SRMEG Secretariat by 9th September 2010.**