



Tunnel Seismic Prediction (TSP) Technology for Geological Prediction during the Tunnel Excavation and its Applications with Selected Examples in Switzerland, China and Malaysia etc.

by Dr. Xiao Shuan, Amberg Technologies AG

CEE Seminar Room D (N1-B4c-09b) @ Nanyang Technological University, 50 Nanyang Avenue
Monday, 17 August 2015 // 4.30 pm to 6.00 pm

ABSTRACT:

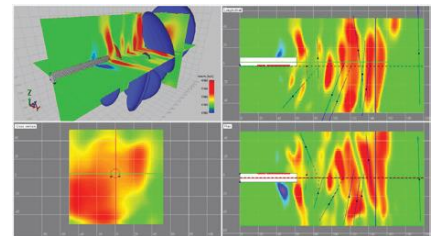
Tunnel Seismic Prediction (TSP) Technology as a revolutionary prediction method for geological prediction during the tunnel excavation can be traced back to 1990s since its invention by Amberg Technologies. During the past 20 years and more, TSP technology has undergone three generations with several technological improvements. The latest TSP303 features the latest cutting-edge technology in data acquisition and full 3D seismic data processing and interpretation including comprehensive rock type catalogue and sophisticated VMR technology consisting of velocity based 3D migration modeling with automatic reflection extraction.

The presentation will first give an overview about technical development of geological prediction technology with more detailed description about the latest TSP303 technology, followed by presentation of several selected examples of TSP applications worldwide such as Switzerland, China and Malaysia etc.

AGENDA

4.30 – 5.00pm Registration
(Coffee and tea will be provided)

5.00 – 6.00pm Seminar



REGISTRATION

Email to srmeg@cma.sg with the following information by

7 Aug 2015:

(limited to first 70 sign-ups)

- Family Name
- First Name
- Organisation
- Designation
- Contact no.

Free seminar

1 PDU / 1 STU

SPEAKER:

Dr. Xiao Shuan is currently Sales Manager of Amberg Technologies for South East Asia & Pacific Region. He obtained his Master of Engineering in 1988 at the Clausthal University of Technology, Germany, followed by a PhD in 1993. Prior to joining Amberg Technologies, he worked at Amberg Engineering as project manager and consultant on various major transportation and tunnel projects in Switzerland and in China including Gotthard Base Tunnel and Xuefengshan highway tunnel etc.

From 2004 to 2014, he led the sales and marketing activities of Amberg Technologies for all in-country operations in China including development of strategic partnerships, strategic planning, customer care etc. He is involved in the business development and expansion of Amberg Technologies in China notably for tunnel and track survey systems.

From 2015, he takes over responsibility for South East Asia & Pacific including business development and strategic planning etc.

Dr. Xiao is also a Visiting Professor at several Chinese universities.