



# Hard Rock Excavation Noise Control

Organized by

**The Hong Kong Institute of Acoustics, The Institute of Materials, Minerals and Mining,  
Department of Mechanical Engineering of Hong Kong Polytechnic University  
Supported by The Hong Kong Institute of Environmental Impact Assessment**

**Speakers:** Lawrence Lee, M K Cheung, Alfa Liu, MTR Corporation Limited  
**Venue:** Room N001, The Hong Kong Polytechnic University, Hung Hom, Kowloon  
**Date & Time :** 11 Feb 2015, 19:00 – 20:30 hr (Registration starts at 18:30hr)

## **Programme Highlights:**

The construction of South Island Line (East) is a designated project under the Environmental Impact Assessment Ordinance (EIAO) in Hong Kong. An Environmental Impact Assessment (EIA) tool has been developed for the project and was approved in 2010 during the design stage. An amendment of noise mitigation was further enhanced to suit and optimize their methodology in order to achieve a win-win-win situation for the Project Proponent, the Contractors and the Stakeholders.

The EIA defined two main activities for the South Horizons Plant Building works, namely “Slope Stabilization and Rock Slope Excavation”. The excavation work was presumed to last for over 2 years by mechanical means involving intensive breaking and drilling with hydraulic breakers and drilling rigs respectively which could potentially generate excessive noise impacts to the nearby high density of **residents with nearest 30m away from the work site.**

This seminar gives an overview of challenges on the amendment of the construction method and the EIA which included the **technical aspects of blasting operation and noise impact** from the proposed alternative construction methodology by using opencast blasting in comparison to the mechanical method presumed, where pros and cons are also examined.

## **Registration**

Please register in [http://www.wal.hk/hkioa/Hard\\_Rock\\_Excavation\\_Noise\\_Control.html](http://www.wal.hk/hkioa/Hard_Rock_Excavation_Noise_Control.html). The seminar is free of charge for members of HKIOA, IOM3, students of HKPolyU and HKIEIA on a first-come first-served basis. (HK\$100/person will be charged for non-members and other interested persons). Certificates of attendance will be provided upon request.

Wilson Ho, Activities Subcommittee of HKIOA