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Geology Department  
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### **Abstracts of Papers**

#### **Kuala Lumpur Limestone and some engineering properties**

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**SSP Geotechnics**

The topic "KL LIMESTONE & SOME ENGINEERING PROPERTIES" was presented by Ir Simon Tan Siow Meng, the director of SSP Geotechnics Sdn Bhd. The talk started with an introduction of the geology of KL area followed by a good collection of photographs to show the treacherous karstic feature of limestone, exposed after tin mining. The common method for tin mining in KL area was open cast and gravel pump. Ex-mining area map can be obtained from DMG but the mining areas are not complete due to loss of limestone based on some 50 preliminary boreholes carried out along the alignment of the currently under construction SMART (Storm Management And Road Transport) Tunnel. The alignment stretches some 12km across KL. He then explained Q value by Barton et al and briefly illustrated its application in tunnel support design. The talk ended by showing some photographs and a 3D image of limestone encountered at the site. A less common karstic feature, i.e. large potholes were encountered amongst steep depression and other erratic limestone features.