



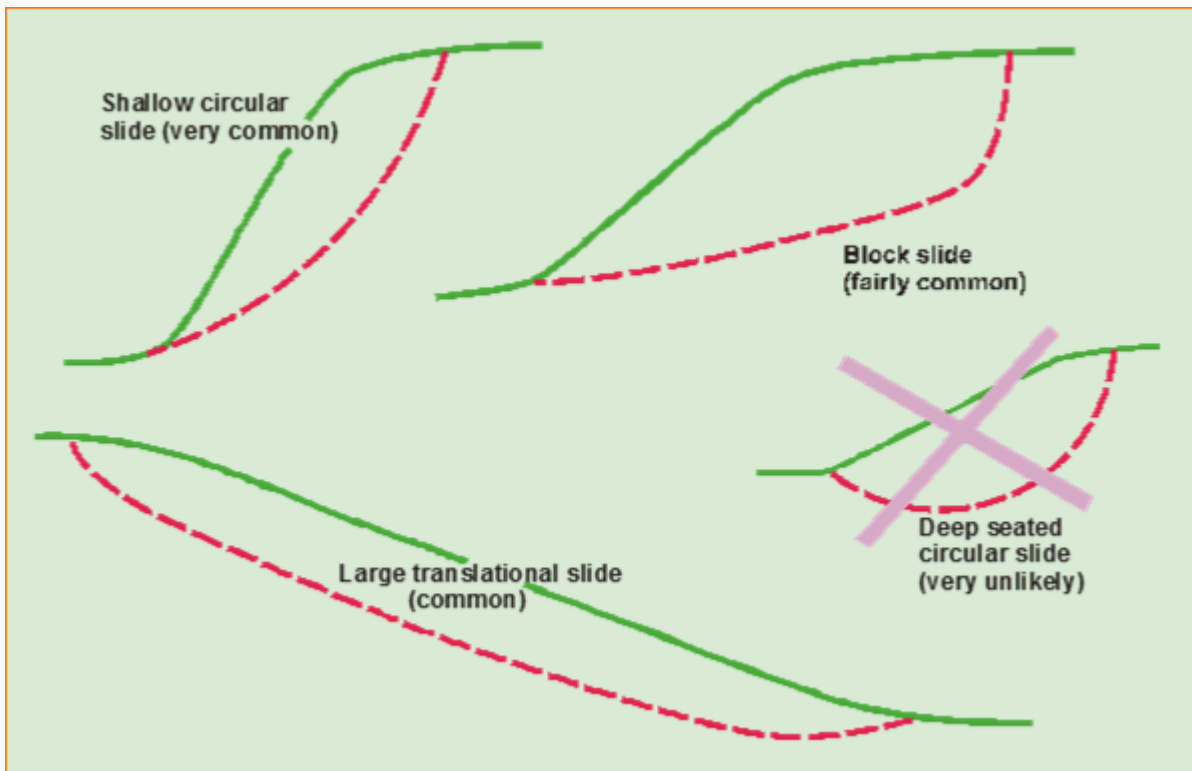
Evening Talk on Behavior and Stability of Cut Slopes with Special Reference to Malaysia

by Ir. Lee Peir Tien

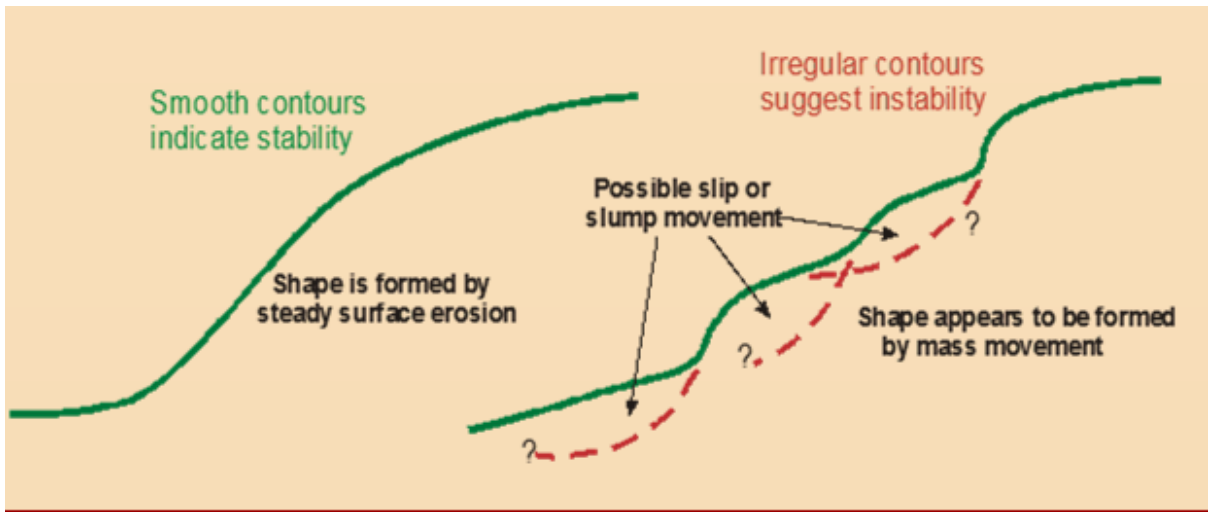
Ir. Lee Peir Tien is currently the Chairman in Geotechnical Engineering Technical Division (GETD).

The Evening Talk on Behavior and Stability of Cut Slopes with Special Reference to Malaysia was organised by the Geotechnical Engineering Technical Division on 25th July 2017 at the Tan Sri Prof. Chin Fung Kee Auditorium, Wisma IEM. The evening talk was delivered by Professor Dr. Laurence Wesley. A total of 99 participants attended the evening talk.

The speaker started his evening talk with a brief introduction to residual soil and sedimentary soil behaviors. Failure modes in residual soil slope are as per below figure. He highlighted slips and landslides in residual soil often triggered by heavy rainfall or earthquakes. However, the true causes of the failure is often human activities. Therefore, if we want to minimise the risk of landslides, we need to control our own activities.



Prof Dr Laurence Wesley further explained that assessing the stability of natural slopes is not primarily an analytical exercised. Other, non-analytical methods such as visual inspection, geological appraisal etc, are more important and should always be part of the process. Example of visual inspection is presented as below.



Subsequently, the speaker presented two (2) case histories in Malaysia namely Kuala Lumpur – Karak Highway and Kuala Krai – Gua Musang Highway. He highlighted the cause of instability and the proposed remedial work for the above mentioned case histories. Then, he elaborated in details on influence of climate, weather, pore water pressure to slope stability. He also highlighted some deficiencies in computer software in modelling slope stability.

Before the end of the talk, Prof Dr Lawrence Wesley fielded a number of questions from the audience. The evening talk ended around 7.30 p.m. with applause from the floor.



As a token of appreciation, a souvenir was presented by Geotechnical Engineering Technical Division to the speaker