

## **SATURDAY MORNING WITH LADY GEOLOGISTS**

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### **Abstracts of Papers**

#### **Some case studies on slope failure in Malaysia**

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Slope failure is one of those tragic event that leaves a bad memory to the victim. The study area falls within Selangor and Pahang, and the general geology for the study areas are intrusive granite (acidic) with the age of Late Triassic and basalt of Early Pleistocene age. Generally, the case studies can be divided into three different categories of slope such as slope failure in the cut slope, fill slope and rock slope area. The failures of the cut slope mainly influenced by the existence of clay material, etc. The slope failure in the fill slope mainly caused by different factors that leads to the low shear strength and finally, disaster while the slope failure in the rock slope basically deals with unstable colluvium and structural features such as joints that may cause more excessive failure.

For each type of slope, the study on the groundwater level, structural features, lithology, compactibility of the soil, grade of weathering, etc. were carried out. All the failed slopes for these case studies are fresh and not yet rectify. In conclusion, to set-up a safe slope is not only playing with numbers but the main issues is what you see at side.