



One Day Seminar on Geotechnical Engineering

by Dr Ng Soon Min

Dr Ng Soon Min is currently a committee member in Geotechnical Engineering Technical Division (GETD).

The One Day Seminar on Geotechnical Engineering was jointly organised by the Geotechnical Engineering Technical Division (GETD) and Young Engineers Section (YES), on 18 December 2018 at Malakoff Auditorium, Wisma IEM. This seminar is aimed to provide a platform to the members especially for young engineers to have a better understanding on geotechnical engineering practices from planning to design and to construction. A total of 49 participants attended this event.

The seminar was delivered by 6 speakers addressing geotechnical engineering topics namely subsurface investigation, slope stability, retaining wall and pile foundation. Case studies were also presented in the respective lectures to demonstrate how the theories can be applied to practices, the challenges faced and innovative solutions utilized. In this seminar, the following topics were delivered by the speakers:

1. Subsurface Investigation, Monitoring and Interpretation of the Test Results by *Ir Liew Shaw Shong*
2. Rock Slope Stability Assessment and Strengthening Measures by *Ir. Dr Low Tian Huat*
3. Design and Construction of Embedded Retaining Wall for Deep Excavation by *Ir. Dr Chan Swee Huat*
4. Design and Construction of Embankments over Soft Clay by *Ir. Lee Peir Tien*
5. Design and Construction of Pile Foundations by *Ir EG Balakrishnan*
6. High Strain Dynamic Pile Testing – Brief Fundamental and Case Studies by *Mr. Teh Kim Ong*

Q&A session was carried out at the end of each lecture where active discussions from the floor over the subject matter and mutual exchange of opinions could be seen. With proper understanding in geotechnical engineering, an engineer will be able to provide practical and safe design on geotechnical elements such as foundation, slope stability, deep excavation etc.