

WEBINAR TALK ON

APPLICATION OF GEOMECHANICS IN ENGINEERING

Organised by:
Engineering Education Technical Division, IEM

BEM Approved CPD: 2
Reference no: IEM23/HQ/222/T (w)

SPEAKER:

MS AILIE SOFYIANA SERASA



MODERATOR:

IR. ASSOC. PROF. DR. SIVA KUMAR
SIVANESAN



 19 JUNE 2023, MONDAY

 3.00PM - 5.00PM

REGISTRATION FEE :

IEM STUDENT : FOC
IEM MEMBERS: RM15
NON IEM MEMBERS: RM70

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SYNOPSIS

Malaysia has remarkable caves within limestone formations, mainly distributed in Perlis, Kedah, Perak, Kelantan, Selangor, Pahang, Johor, Sabah and Sarawak. This webinar aims to introduce the basic concept of Geomechanics for various engineering fields; engineering geology, geotechnical, petroleum, mining and civil engineering, among others. The content of the webinar will share insight on case stability assessment in Malaysia, in line with the recent safety aspect raised by the state government. At the end of the webinar, the audience will have a better understanding on the importance of Geomechanics in engineering application for the purpose of mitigation measures of cave stability.

SPEAKER'S PROFILE

Ailie Sofyiana Serasa is the Program Leader for the Petroleum Engineering Program, APU. Her research is focused on Engineering Geology, Rock Mechanics and Petroleum Geomechanics. Ailie is a petroleum engineer with background in engineering geology. She is a Professional Member of the Society of Petroleum Engineer (SPE), Board of Geologist Malaysia (BoG) and Society for Engineering Geology and Rock Mechanics (SEGRM) Malaysia. She has 10 years of consultancy experience and was part of several projects that involved geotechnical design of cut slopes and rock slopes, cave stability assessment and mitigation, rockfall assessment and mitigation, technical assessment of rock properties for radioactive waste disposal and geo-environmental assessment. At present, Ailie is pursuing her Doctorate degree at UKM aiming at bridging geological aspect with engineering technical assessment as an approach to a systematic cave stability assessment, mitigation and risk disaster reduction.