



# IEM

The Institution of Engineers, Malaysia



## WEBINAR TALK ON INTRODUCTION TO SOIL AND ROCK LOADING AND HAULING MANAGEMENT IN MINING INDUSTRY

BEM APPROVED CPD: 2


REF NO: IEM24/HQ/088/T (w)


ORGANISED BY:

OIL, GAS AND MINING TECHNICAL DIVISION, IEM

### SPEAKER:

**Dr. Meisam Saleki**

 4 MAY 2024, SATURDAY

 9.00AM - 11.00AM



**REGISTRATION FEE**

**IEM STUDENT : FOC**

**IEM MEMBERS: RM15**

**NON IEM MEMBERS: RM70**



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## **SYNOPSIS**

This webinar talk equips participants with the fundamentals of managing bulk material (soil and rock) movement in construction and mining projects. The talk delves into the properties and states of these materials, explores the fundamentals of loading and hauling operations, and analyzes key aspects like equipment efficiency, and reliability. Participants gain comprehensive knowledge of loading equipment like excavators and shovels, including their characteristics, attachments, digging motions, and loading mechanisms. Additionally, the talk covers crucial aspects of hauling equipment through truck capacity, sizing, and cycle time considerations, culminating in an exploration of shovel-truck system planning to optimize efficiency and project success.

## **SPEAKER'S PROFILE**

With over 12 years of experience in the mining industry, Meisam Saleki is a highly motivated mining engineer with a strong academic foundation. During his tenure as a professional mining engineer in Iranian mining industries, he gained extensive practical expertise, acquiring a deep understanding of real-world challenges.

This practical knowledge complements his academic background, including a Ph.D. in Mining Engineering with a focus on surface mining design, optimization, and minerals economics. Currently, he is a lecturer at the School of Materials and Minerals Resources Engineering, Universiti Sains Malaysia (USM) and teaches mining engineering related courses.