

## Altair EDEM Web Training Series: Malaysia

Live Webinar - Jul 27 - 05 Aug | 10:30 am MYT

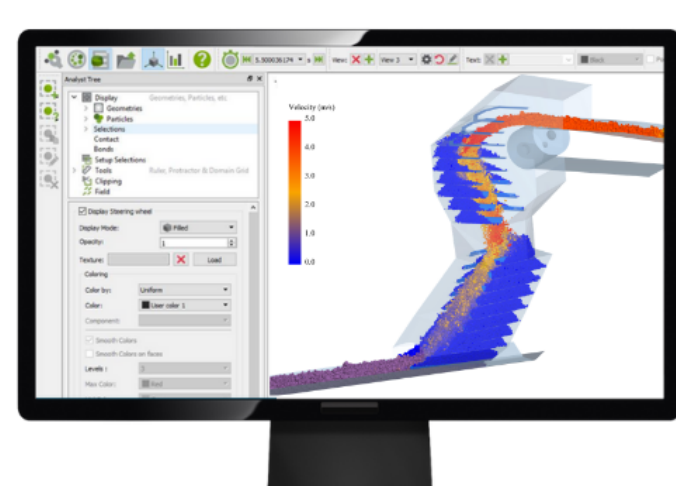
The performance and reliability of bulk materials handling and processing equipment used in mining operations such as conveyor transfer points and feed chutes, reclaimers, crushers and grinding mills is a critical factor determining the productivity of mines and plants.

Altair EDEM software, powered by the Discrete Element Method (DEM) technology, simulates and analyses the behavior of a wide range of bulk materials such as coal, ores and rocks - enabling engineers to understand the flow of these materials through each segment of their equipment or operation.

### Webinar Series Title

#### Day 1: EDEM Introduction

27 July 2021 | 10:30 am MYT (Duration 2 hours)



#### Course Outline:

This training session introduces the Discrete Element Method and the EDEM Workflow, allowing the attendee to gain experience in the setup of an EDEM simulation.

#### Goals and Objectives:

- Identify key aspects of the EDEM software
- Utilize EDEM applications and workflow
- Describe material models and material calibration
- Initiate solver settings (CPU and GPU)

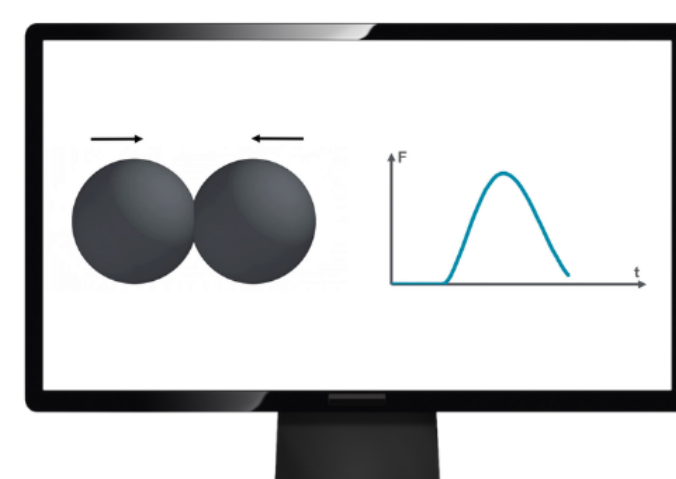
#### Day 2: EDEM Contact Models

29 July 2021 | 10:30 am MYT (Duration 2 hours)

This training session focuses on the Contact Models and physics laws in EDEM, the Contact Models describe the behavior of the particles as they interact with each other and the equipment.

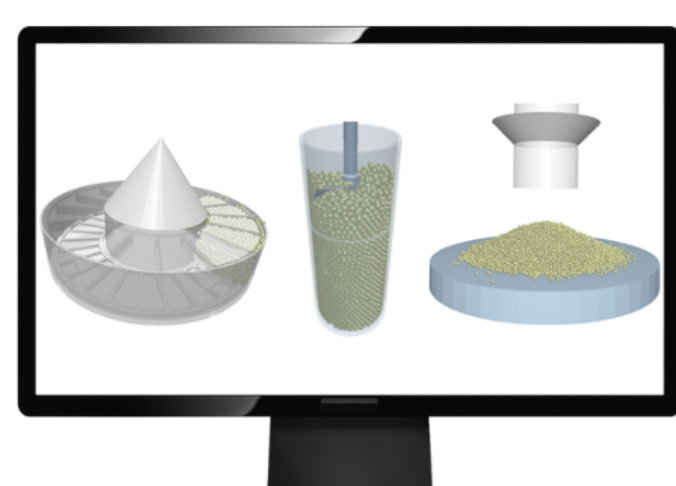
#### Goals and Objectives:

- Employ base physics models (Hertz-Mindlin, JKR, EEPA, Hysteretic spring)
- Compose rolling friction models
- Identify key aspects of additional models (Wear, Bonding, Heat Conduction)



#### Day 3: EDEM Calibration

03 August 2021 | 10:30 am MYT (Duration 2 hours)



#### Course Outline:

This training session focuses on the considerations for modeling particle solids with EDEM, introduces the philosophy and the importance of calibration. Furthermore, the participants will learn the calibration of coarse particulate solids and the calibration approach for fine materials such as powders. Additional calibration tools, such as the GEMM Database, Calibration Kit, and EDEM Cal are also introduced during this training session.

#### Goals and Objectives:

- Modelling approach for coarse particulate solids
- Modelling approach for powders and soils
- GEMM Database
- EDEM Calibration Kit
- EDEM Cal tool

#### Day 4: EDEM Analyst

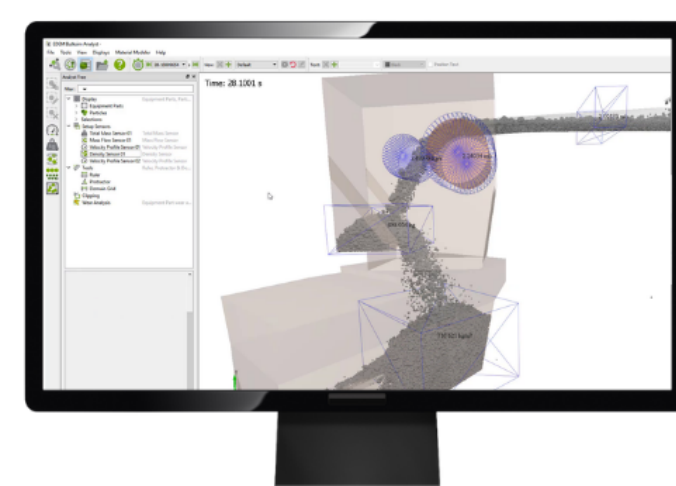
05 August 2021 | 10:30 am MYT (Duration 2 hours)

#### Course Overview:

This training session focuses on the post-processing capabilities of EDEM, understanding the different material analysis options and metrics available.

#### Goals & Objectives:

- EDEM Analyst display and videos
- Selections and sensors
- Data export
- Industry examples of EDEM analysis



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Which webinar would you like to register for?

27 Jul | Day 1: EDEM Introduction

29 Jul | Day 2: EDEM Contact Models

03 Aug | Day 3: EDEM Calibration

05 Aug | Day 4: EDEM Analyst

Webinar 9

Webinar 10

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