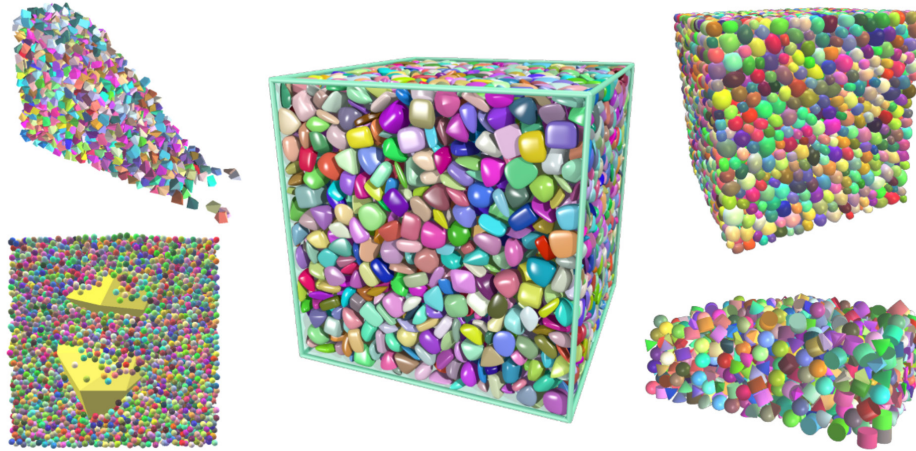


## 2022 TC105 Geomechanics from Micro to Macro Seminar Series

### Discrete Element Method (DEM) in geotechnical engineering education



**Lecture 1:** Tuesday, February 8, 2022 (4pm Sydney time, 1pm China time, 6am Europe time, 9pm(-1 day) US Pacific time)

#### **Teaching granular mechanics with Discrete Element Method**

Francois Guillard and Benjy Marks (University of Sydney)

[Registration link](#)

**Lecture 2:** Tuesday, February 22, 2022 (4pm Sydney time, 1pm China time, 6am Europe time, 9pm(-1 day) US Pacific time)

#### **Virtual laboratory testing using DEM to understand soil behaviour**

Benjy Marks and Francois Guillard (University of Sydney)

[Registration link](#)

**Lecture 3:** Tuesday, March 29, 2022 (6pm Sydney time, 3pm China time, 9am Europe time, 12am US Pacific time)

#### **Let's code the discrete element method for a deeper understanding**

Vincent Richefeu (Université Grenoble Alpes)

[Registration link](#)

**Lecture 4:** Tuesday, April 26, 2022 (5pm Sydney time, 3pm China time, 9am Europe time, 12am US Pacific time)

#### **Using open source DEM in teaching**

Shiwei Zhao (Hong Kong University of Science and Technology)

[Registration link](#)

**Lecture 5:** Tuesday, May 24, 2022 (1am(+1 day) Sydney time, 11pm(+1 day) China time, 5pm Europe time, 8am US Pacific time)

#### **Building a real-time interactive playground with in-situ viz and deep learning**

Krishna Kumar (University of Texas, Austin)

[Registration link](#)