

Recent Developments of Discrete Particle Simulation for Geotechnical Engineering

Date : 5th March 2019

Venue : Meeting room at Japanese Geotechnical Society (https://www.jiban.or.jp/?page_id=1696),
Tokyo, Japan

13 : 00 – 13 : 05 Opening

13 : 05 – 13 : 55 Multiscale modelling of geophysics flows
Prof. Thornton (University of Twente)

13 : 55 – 14 : 05 Break

14 : 05 – 14 : 55 Statistical properties in static and slowly-sheared granular solid
Prof. Matsushima (Tsukuba University)

14 : 55 – 15 : 05 Break

15 : 05 – 15 : 35 Uncertainty quantification and propagation for multi-scale models of geomaterials:
an iterative Bayesian approach
Dr. Cheng (University of Twente)

15 : 35 – 16 : 05 Application of discrete element method to reveal the mechanism of a labour accident
occurrence in tunnel construction
Dr. Kikkawa (National Institute of Occupational Safety and Health)

16 : 05 – 16 : 15 Break

16 : 15 – 16 : 35 Effect of grain properties on dry granular flow: Comparison between DEM and
 $\mu(I)$ -rheology
Xiaoyu Jiang (Tsukuba University)

16 : 35 – 16 : 40 Closing