Grain Days 2020

The Australian Association for Granular Media (ANAGRAM)

Grain days 2020 will follow an online format with a Doctoral School on the 30/11 and Research Forum on 01/12. Find below a timetable and information regarding the event. Please note that for the Doctoral School, breaks will be incorporated within and between lectures. Zoom and gather links for each event can be found on https://www.anagram.org.au/grain-days-2020.

Doctoral School

30/11/2020

Time	Event	Speaker
9:45 am - 10:00 am	Welcome, housekeeping and information on the association from the ANAGRAM President: https://uni-sydney.zoom.us/j/83632460518	Prof Itai Einav
10:00 am - 12:00 pm	From discrete elements to particle-based continua: physics and methods: https://uni-sydney.zoom.us/j/83632460518	Dr François Guillard
12:00 pm - 3:00 pm	Discrete modelling with the open-source framework YADE: https://uni-sydney.zoom.us/j/83632460518	Dr Klaus Theoni
3:00 pm - 6:00 pm	Fundamental SPH Theory: Geomechanics Applications: https://uni-sydney.zoom.us/j/83632460518	A/Prof Ha Bui

Research Forum

1/12/2020

Time	Event	Speaker
9:45 am - 10:00 am	Housekeeping and overview of the day from the Vice President of ANAGRAM: https://uni-sydney.zoom.us/j/83632460518	Mr Zvonimir Maranić
10:00 am - 11:00 am	Teaser video presentations: https://uni-sydney.zoom.us/j/83632460518	
11:00 am - 11:05 am	Overview of Gather: https://uni-sydney.zoom.us/j/83632460518	Dr Wenbin Fei
11:05 am - 1:00 pm	Research Forum: https://gather.town/app/Dck7boVv2FhlfGbw/Poster%20-%20Grain%20Days	
1:00 pm - 1:05 pm	Closing statements: https://uni-sydney.zoom.us/j/83632460518	Prof Itai Einav

List of Posters

1. Matthew Macaulay, Pierre Rognon. Two mechanisms of momentum transport in granular flows.
2. Leonardo Andree Crespo Parraga, François Guillard, Itai Einav. Periodic quakes in granular media
3. Adrian McCallum. Cone Penetration Testing (CPT) in polar snow.
4. Reza Amirifar , Kejun Dong and Aibing Yu. Self-assembly near ground state: randomly pack particles into single crystal.
5. David Riley, François Guillard, Itai Einav. Modelling dry brittle porous media.
6. Mehrdad Ahmadi, Mahyar Madadi, Mahdi Disfani, Thomas Shire. Digitisation of real soil fabric subjected to suffusion from micro-CT images.
7. Jinbiao Wu, George Kouretzis. Physical Modelling of pipelines crossing geotechnically challenging environments.
8. Ognjen Orozovic, Continuum modelling of pneumatic conveying.
9. Eranga Dulanjalee, Benjy Marks, Itai Einav. Erosion and entrainment during landslides.
10. A. Owonikoko, K. Williams, D. Ilic, O. Orozovic, F. Ximenes. Biomass Handling.
11. Jiachen Bao, Itai Einav, James Baker. The optimisation of deep velocimetry.
12. Thien Phan, Ha Bui, Giang Nguyen, Malek Bouazza. Multiphase framework to model silty materials
13. Tien Nguyen, Ha Bui, Giang Nguyen. Internal erosion.
14. Sungyeon Hong, Nicolas Franc¸ois, Mohammad Saadatfar. Quench dynamics and topological motifs in 2D hyperuniform systems.
15. Fei Xiao, Jiaqiang Jing, Shibo Kuang, Lu Yang, Aibing Yu. Capillary forces on wet particles with liquid bridge transition between convex and concave

Location of Posters