

# 4<sup>th</sup> International Conference on Rock Dynamics and Applications (RocDyn-4)

26–28 October 2020



MONASH  
University

Melbourne, Australia

## 1st Announcement and Call for Abstract

### INVITATION

The Fourth International Conference on Rock Dynamics and Applications (RocDyn-4) will be hosted in Melbourne, Australia. The organisers of RocDyn-4 would like to welcome researchers and engineers of the rock mechanics and rock engineering community to Melbourne in 2020 to participate in the meetings and the discussions on rock dynamics and applications.

### SCHEMES

RocDyn-4 conference covers various topics related to rock dynamics and engineering applications, highlighting the innovations in scientific research, technology development, and engineering solution. The topics range from mathematical and analytical methods, micromechanics constitutive relations, fracture dynamics, rate dependent properties, continuum and discontinuum numerical modelling, laboratory techniques, testing and observation, field measurements techniques, instrumentation and monitoring of dynamic response, multi-scale and multi-physics modelling, earthquake and induced seismology, rock burst monitoring and control, explosion and blasting control, landslide and slope safety, rock block movement and impact structure design, rock fragmentation and fracturing, mechanised rock excavation, support of rock tunnels and caverns under earthquake and other dynamic loads.

### ABSTRACT SUBMISSION

Prospective authors are invited to submit abstracts on various topics within the conference scheme. Abstracts should be about 200-300 words long, with a title, authors' names and affiliations, and email addresses, and be submitted to the conference email address ([civeng-RocDyn@monash.edu](mailto:civeng-RocDyn@monash.edu)) before 31 December 2019. The official language of the conference is English.

### ORGANISATION

RocDyn-4 is to be organised by Monash University, in association with other universities and institutes around the world. The Organising Committee will be chaired by Qianbing Zhang ([qianbing.zhang@monash.edu](mailto:qianbing.zhang@monash.edu)), Chris Braithwaite ([chb32@cam.ac.uk](mailto:chb32@cam.ac.uk)), Wei Wu ([wu.wei@ntu.edu.sg](mailto:wu.wei@ntu.edu.sg)) and Gaofeng Zhao ([gaofeng.zhao@tju.edu.cn](mailto:gaofeng.zhao@tju.edu.cn)). Contact information is available at RocDyn-4 website, <http://www.rocdyn.org>.

### PROGRAMME AND ASSOCIATED EVENTS

RocDyn-4 will have 3-day presentations and discussions on 28-30 October 2020. Short courses, workshops and technical visits will be organised before and after the conference.

Please visit <http://www.rocdyn.org> for more information!

