



WORKSHOP PROPOSAL FOR ONLINE MEETING EWG-IE 2020

EROSION DOWN UNDER+ – PHYSICAL MODELLING, OBSERVATION METHODS AND ANALYSIS TECHNIQUES

The workshop will be collaboratively organised and given by the researchers signing this flyer with ongoing research initiatives related to internal erosion and cognate hydrodynamically induced deformation processes of granular materials.

The focus of the workshop is on innovative physical modelling approaches and measurement methods used to observe erosion processes and understand the underlying mechanisms. Novel techniques that explore erosion across the scales, capture the hydromechanical influences and conduct measurements internally within the soil are encouraged. In addition, novel analysis techniques that explore how measurement and physical modelling data can inform our understanding of the erosion process will also be explored. Computational research that seeks to complement physical modelling and measurement techniques are also encouraged.

The schedule of the workshop is as follows:

1. 80-minutes introductory session:
The research groups from the organizing universities will introduce their activities and infrastructure used for investigating internal erosion.
2. 90-minutes presentation session:
Six presentations of 10 minutes each with 5 minutes of discussion of pre-selected topics related to the themes of the workshop that have been submitted from international participants of the workshop.
3. 20-minutes discussion session:
Discussion on opportunities for collaborative research initiatives related to novel physical models and observation methods.

The aim of the workshop is to introduce new physical modelling approaches and observation methods and to put them up for discussion. The expected outcome is to provide a platform for the initiation of new collaborations across countries and continents.

Submission of abstracts (250 words maximum) to Dr Adnan Sufian (a.sufian@uq.edu.au) is possible until 23rd November.

The date and time for the workshop is Thursday 3 December 4-7pm (Brisbane time) via Zoom (<https://uqz.zoom.us/j/87012291491>)

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