## **Accepted Manuscript**

Meshfree particle numerical modelling of sub–aerial and submerged landslides

M. Tajnesaie, A. Shakibaeinia, K. Hosseini

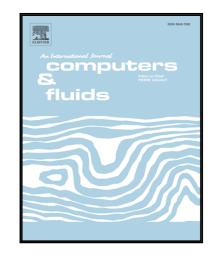
PII: \$0045-7930(18)30347-5

DOI: 10.1016/j.compfluid.2018.06.023

Reference: CAF 3940

To appear in: Computers and Fluids

Received date: 4 March 2018 Revised date: 29 May 2018 Accepted date: 26 June 2018



Please cite this article as: M. Tajnesaie, A. Shakibaeinia, K. Hosseini, Meshfree particle numerical modelling of sub-aerial and submerged landslides, *Computers and Fluids* (2018), doi: 10.1016/j.compfluid.2018.06.023

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

#### ACCEPTED MANUSCRIPT

#### Highlights

- A multiphase particle continuum model was developed for sub-aerial and submerge landslides.
- ullet The model is based on WC-MPS methods with pressure depended  $\mu(I)$  rheology.
- Comparison of numerical results with those of experiments showed good agreements
- The role of rheological model is investigated.
- Results provide a better understanding of the mechanisms involved in landslides

### Download English Version:

# https://daneshyari.com/en/article/7155776

Download Persian Version:

https://daneshyari.com/article/7155776

<u>Daneshyari.com</u>