

WORKSHOP SUMMER 2015

Location : UPC Barcelona (Campus Nord), Geotechnical Department (Building D2), Seminar Room (Room D212, second floor)
 Date : Friday, 5 June 2015
 Time : 9.00 h – 17.00 h

9.00	OPENING & WELCOME
30 min	XUANYU ZHAO (UNIVERSITY OF CAMBRIDGE) Comparison of dam-break flow modelling using MPM and SWEs
30 min	SHYAMINI KULARATHNA (UNIVERSITY OF CAMBRIDGE) Modeling of quasi-static flow of fresh cement slurry using implicit MPM
30 min	MARIO MARTINELLI (DELTAIRES) Soil–water transition with material point method
30 min	JAKOB MALJAARS (DELFT UNIVERSITY OF TECHNOLOGY) Towards a numerical wave tank using implicit particle methods
30 min	ALBA YERRO-COLOM (UPC BARCELONA) Minimum time step criterion for 2-phase calculation
30 min	MIRIAM MIEREMET (DELFT UNIVERSITY OF TECHNOLOGY) Stability analysis of 2-phase formulation with incompressible pore fluid
60 min	QUESTIONS & DISCUSSION after each presentation
13.00 – 14.30	LUNCH BREAK
45 min	JONATHAN NUTTALL & ALEXANDER ROHE (DELTAIRES) MPM Software development
30 min	LARS BEUTH (DELTAIRES) Quasi-static material point method
45 min	LARS BEUTH (DELTAIRES) & ALEXANDER CHMELNIZKIJ (TU HAMBURG-HARBURG) Analyses of vibratory and impact driven pile installation
30 min	QUESTIONS & DISCUSSION after each presentation
17.00	CLOSURE

PARTICIPANTS

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