

Modulo 2 – Applicazioni a casi caratterizzati da superficie libera

Day 2 (14/11/2017)		
9:00 - 9:30	Registration	
09:30 - 10:00	Welcome ceremony	
10:00 - 11:00	SPH : now and in the future	Dr Peter K. Stansby
11:00 - 11:30	Coffee Break	
11:30 - 12:10	Coupling between DualSPHysics and SWASH models and latest applications to coastal engineering problems	Dr Corrado Altomare
12:10 - 12:50	Advanced fluid-mechanism interaction in DualSPHysics	Dr Ricardo Canelas
12:50 - 14:00	Lunch	
14:00 - 15:00	Delegates Presentation	
	Nonlinear Numerical Simulation of Fluid-Structure Interaction based on Coupling Model between DualSPHysics and Structural Finite Element Method	C. Ma, M. Oka
	3D Bedrock Channel Evolution with Smoothed Particle Hydrodynamics Coupled to a Finite Element Earth	N. Richmond, P. Koons, P. Upton
	DualSPHysics simulation of violent wave-structure interaction on the Anchorholme sea wall	A. Baines, L.S. Cunningham, B.D. Rogers
15:00 - 16:00	Delegates Presentation	
	Adaptivity in Smoothed Particle Hydrodynamics (a review of Vacondio's approach)	L. Beck, J. Gutekunst, P. Sabrowski
	Applicability of source generation (SG) and absorption technology in a highly reflective condition	C. Altomare, B. Tagliafierro, G. Viccione
	Dealing with consistent kernel-based approximations and variable resolution schemes in DualSPHysics	M. Leonardi, J.M. Domínguez, T. Rung
16:00 - 16:30	Coffee break	

16:30	Delegates Presentation	
17:30		
	Application of DualSPHysics in the Development of a Wave Absorbing Wall	M.A. Wesson
	DualSPHysics: Applications to Tsunami Engineering Problems	N. Goseberg, M. Heunecke, H. von Häfen, J. Stolle, I. Nistor
	Application of open boundaries within a two-way coupled DualSPHysics-OceanWave3D model	Tim Verbrugghe, Andreas Kortenhaus, P. Troch, J.M. Dominguez
17:30		
-	Question Time	
18:00		
19:30	Workshop Dinner	