4th International workshop on River and Reservoir Hydrodynamics and Morphodynamics

27th July 2015, IST Alameda Campus, Lisboa, Portugal

Organized within the scope of projects HypoVeg PTDC/ECM/099752/2008, funded by FCT (Portuguese Foundation for Science and Technology), and
SEDITRANS FP7-PEOPLE-2013-ITN-607394, funded by the European Commission, 7th Framework Programme for Research, Technological Development and Demonstration

Programme page 1/2

Time	Session	Speaker
8$^{:00}$-8$^{:30}$	**Registration and Welcome**	
8$^{:30}$-8$^{:50}$	Projects HypoVeg and Seditrans	**Rui M.L. Ferreira (IST)**
	Session 1, chair: **Elsa Alves (LNEC)**	
8$^{:50}$-9$^{:15}$	Rheological behaviour of granular media	**Davide Monsorno (UCL)**
9$^{:15}$-9$^{:40}$	Bedload fluxes: particle counting techniques and dynamics of particles at entrainment and deposition	**Federica Antico (IST)**
9$^{:40}$-10$^{:00}$	Effect of suspended sediment in compound channel flow. Design and operation of experimental facilities	**Miltiadis Gymnopoulos (LNEC)**
10$^{:00}$-10$^{:30}$	**Discussion/Coffee Break**	
10$^{:30}$-10$^{:50}$	Numerical investigation flows around wall-mounted cylinder	**Teresa Paone (IST)**
11$^{:50}$-11$^{:15}$	Large Eddy Simulation of Suspended Sediment Transport in Laboratory Scale	**Mahmoud Jourabian (UniTr)**
11$^{:15}$-11$^{:40}$	Friction slope evaluation from transient flows experiments over mobile bed	**Ilaria Fent (UCL)**
11$^{:40}$-12$^{:05}$	Numerical simulation of oblique oscillatory flow over bed ripples using the immersed boundary method	**Iason Chalmoukis (UPat)**
12$^{:05}$-13$^{:00}$	**Lunch Break**	
	Session 2, chair: **António H. Cardoso (IST)**	
13$^{:00}$-13$^{:25}$	Large Eddy Simulation of flow over dunes laden with inertial particles	**Efstratios Fonias (UCy)**
13$^{:25}$-13$^{:50}$	Simulation of Two-phase incompressible flows using Level-set method	**Charalambos Frantzis (UCy)**
13$^{:50}$-14$^{:15}$	Experimental set up and instrumentation for sediment-laden density underflows	**Jessica Zordan (EPFL)**
14$^{:15}$-14$^{:40}$	Experimental characterization and numerical modeling of slide-induced submarine density flows	**Maria-Angeliki Sfouni-Grigoriadou (FU)**
14$^{:40}$-15$^{:05}$	Wall-layer Modelling LES with Sediment Transport over Erodible bed	**Foteini Kyrousi (IDR)**
15$^{:05}$-15$^{:35}$	**Discussion/Coffee Break**	

15:35-16:00	2D Sediment Transport Benchmarking	**Carmelo Juez (EPFL)**
16:00-16:25	Prevention of Reservoir Sedimentation	**Marina Launay (Stu)**
16:25-17:00	**Break and Discussion**	
	Session 3, chair: **Mário Franca (EPFL)**	
17:00-17:15	*Guest*: Boulder deposits generated by extreme marine events	**Maria Alexandra Oliveira (FC-UL)**
17:15-17:30	*Guest*: Modelling flows of fluid and granular material with SPH	**Ricardo Canelas (IST)**
17:30-17:45	*Guest*: Direct numerical simulations of complex fluids	**Afonso Ghira (IST)**
17:45-18:00	**Wrap up and Closure**	

Chill out

Co-Sponsored by

IAHR - **International Association for Hydro-Environment Engineering and Research,** in the scope of activities of the Fluvial Hydraulics Committee

and

APRH – Associação Portuguesa dos Recursos Hídricos, in the scope of the activities of the Specialized Commission for Fluvial Hydraulics (Comissão Especializada em Hidráulica Fluvial)

Registration and information
Federica Antico:: federica.antico@tecnico.ulisboa.pt
Teresa Paone:: teresa.paone@tecnico.ulisboa.pt
Rui Ferreira:: ruif@civil.ist.utl.pt
Instituto Superior Técnico, Av. Rovisco Pais 1049-001 Lisboa, Portugal
https://hydroevents2015lisbon.wordpress.com/

Registration fee: 15 euros
Fees apply only to non-SEDITRANS, non-Hytech or non-Hypoveg members

Suggested accommodation
Hotel Turim Alameda
http://www.turimalameda.com/
Av. Rovisco Pais, 34, 1000-046 Lisboa, Portugal

Please send the reservation form by e-mail: groups@turimhoteis.com for
Ana Correia / Joana Paulo.