

Thursday January 26th
8.00-9.20
Registration checking point
9.20-9.30
Welcomes
9.30-10.00
Introduction Notes D. Termini, A.M. Da Silva
10.00-11.00
Keynote Lecture Rui M.L. Ferreira <i>Mechanics of dam breaching by overtopping. Lessons learned from laboratory scale models and numerical simulations</i>
11.00-11.20
Tea/coffee break
11.20 - 12.50
SESSION I: Sediment transport and structure interaction Chairman: Aronne Armanini, Angelo Leopardi
11.20 - 11.40 Chjeng-Lun Shieh, Yun-Chung Eang, Yea-Chuan Tsai, Chia-Yun Liu, and Shaohua Marko HSU <i>Monitoring bed-load transport rate in mountain creeks based on hydrophone technique</i>
11.40 - 12.00 Del Gaudio Andrea , De Paola Francesco, Di Cristo Cristiana , Iervolino Michele, Giovanni La Forgia, Leopardi Angelo and Vacca Andrea <i>Impact of a dam break wave against a rigid wall: experiments and simulations</i>
12.00 - 12.20 Trevisson Michele , Eiff Olivier <i>Near-bed hydrodynamics responsible for fine-sediment erosion in immobile coarse-grained beds</i>
12.20 - 12.40 Dong Chen , Mark Stone, and Mengzhen Xu <i>Coupling hydrodynamic sediment transport model with instream habitat model</i>
12.40-12.50 Discussion
12.50 - 14.10
Lunch break
14.10 - 15.50
SESSION II: Flow discharge and morphodynamics Chairman: Michele Mossa
14.10 - 14.30 Yang Jiangtao , Soares-Frazão Sandra, and Shi Zhenming <i>Experimental study on landslide dams breaching and the induced local morphological changes under different material composition</i>
14.30 - 14.50 Ragno Niccolò , Redolfi Marco, and Tubino Marco <i>On the selection of anabranches length in looping patterns: a linear stability analysis</i>
14.50 - 15.10 Colangeli Carola , Baldoni Agnese, Melito Lorenzo, Sara Corvaro and Maurizio Brocchini <i>Hydro-morphodynamics of the La Spezia Arsenale harbour</i>
15.10 - 15.30 Meurice Robin , Soares-Frazão Sandra <i>Closing parameters of morphodynamical models without trial-and-error</i>
15.30 - 15.40* Pascal Ivan , Miazza Raphaël, and Ancey Christophe <i>Mountain Gravel-bed Rivers: Investigation on the Flow Repartition at a Bifurcation</i>
15.40-15.50 Discussion
15.50 - 17.20
SESSION III: Influence of vegetation Chairman: George Costantinescu, Cristiana Di Cristo
15.50 - 16.10 Artini Giada , Francalanci Simona, Solari Luca and Aberle Jochen <i>Influences of flexible leafed vegetation on sediment transport and morphodynamics</i>
16.10 - 16.30 Barman Jyotirmoy , Kumar Bimlesh <i>Experimental analysis of multi-layered vegetated compound channel at different bank slopes</i>
16.30 - 16.50 Donatella Termini , Nina Benistati <i>Presence of flexible vegetation in curved channels</i>
16.50 - 17.10 Innocenti Lorenzo , Paris Enio, Solari Luca, and Aberle Jochen <i>Driftwood simulation using 2D depth-averaged model: case study of the Versilia River</i>
17.10-17.20 Discussion
Social event and short tour
20.30 Dinner

* Poster presentation

Friday January 27th
8.00-9.00
Registration checking point
9.00-10.00
Keynote Lecture Ellis Penning <i>The role of ecohydraulics in applied water management: what advances in science are needed for decision making?</i>
10.00 - 11.10
SESSION IV: Hydrodynamics and Turbulence Chairman: Carlo Gualtieri 10.00 - 10.20 Calvani Giulio and Perona Paolo <i>Event-shape return period of Compound Poisson Processes for novel hydraulic engineering design concepts</i> 10.20 - 10.40 Smart Graeme <i>Streamwise velocity profiles</i> 10.40 - 11.00 Keskin Ilayda, Kohandel Gargari Mehroush, Safari Mir Jafar Sadegh , and Vaheddoost Babak <i>Effect of Bedload motion on mean flow and Turbulent chracteristics in different flow conditions</i> 11.00-11.10 Discussion
11.10-11.30
Tea/coffee break
11.30 - 13.00
SESSION V: Hydrodynamics and biota interactions Chairman: Massimo Greco 11.30 - 11.50 Lama Giuseppe Francesco Cesare , and Gianluigi Busico <i>Effects of Image Processing Accuracy for 3D Analysis of Riparian Vegetation Canopy on Flow Resistance Modeling in Vegetated Streams</i> 11.50 - 12.10 De Serio Francesca , Liberzon Dan, H.Goldshmid Roni, Mossa Michele, Negretti M. Eletta, Termini Donatella and Sommeria Joel <i>Turbulent jet behaviour in vegetated and rotating environment</i> 12.10 - 12.30 Kun Zhao , Stefano Lanzoni, Kaili Zhang, Ian Townend, Stephen E. Darby, Zheng Gong, Giovanni Coco <i>Intermittent bank collapse as an inherent control on meandering river morphology</i> 12.30 - 12.50 Diana De Padova, Mouldi ben Meflah, Domenico Maraglino and Michele Mossa <i>Wave propagation on a vegetated seabed</i> 12.50-13.00 Discussion
13.00 - 14.10
Lunch break
14.10 - 16.10
SESSION VI: Mixing, dispersion and biota Chairman: Marco Tubino 14.10 - 14.30 Céline Berni , Sébastien Proust , and Vladimir Nikora <i>Shallow mixing layer over a smooth bed: a laboratory experiment in open channel</i> 14.30 - 14.50 Handique Anurag , Sarma Arup Kumar, and Bhattachariya Rajib Kumar <i>Modelling impacts of bank vegetation on river flow characteristics</i> 14.50 - 15.10 Michele Combatti , Alyssa Serlet, Guido Zolezzi <i>Eco-morphological changes of an alternate bars pattern following vegetation establishment in the regulated Isère river (SE France)</i> 15.10 - 15.30 Alper Sagnak and Ana Maria Ferreira da Silva <i>Three-Dimensional Structure of a Meandering Flow</i> 15.30 - 15.50 Paola Gualtieri , Gerardo Caroppi, Carlo Gualtieri <i>Effects of rigid canopy density on habitat metrics in a partially vegetated channel</i> 15.50 - 16.00* Donatella Termini, Federica Lavignani , Nina Benistati <i>Mutual interaction between flow and biotic community - experimental evidence</i> 16.00-16.10 Discussion
16.10-16.30
Tea/coffee break
16.30 - 18.20
SESSION VII: Human activity, hydrodynamics and morphology interaction Chairman: Ana Da Silva, D. Termini 16.30 - 16.50 Wen-Yi Chang, George Constantinescu <i>Wake Structure In Oscillatory Flow Around a Vertical Pile</i> 16.50 - 17.10 Barile Gabriele , Redolfi Marco and Tubino Marco <i>Avulsions in river bifurcations</i> 17.10 - 17.30 Alvarez, T. , Aleixo, R., Mendes, S.V., Amaral, S., Viseu, T., and Ferreira, R.M.L <i>Hydrodynamics of breaching dams: a new approach</i> 17.30 - 17.50 Young Jun Bang , Ijung kim, and Seung Oh Lee <i>Experimental and Modeling Study for Methane Emission from Sediments</i> 17.50 - 18.10 Ngangbam Romeji , Mukesh Kumar Yadav, and Gunadas Singh Keisam <i>Sand Mining Impacts on Sediment Transport Induced Fluvial-Morphological Changes of Thoubal River, Manipur, India</i> 18.10-18.20 Discussion
18.20-18.30
Closing cerimony

* Poster presentation