

## PRELIMINARY PROGRAM

Day	Time	Event	Paper	Authors	Institution
30th July	8:00-8:45	Registration desk open			
	8:45-9:00	Welcome words, Prof. Stefano Pagliara, Chair of the Congress Opening address of the Director of the Department of Civil Engineering, University of Pisa, Prof. M. Dringoli Prof. J.Matos, Chairman of the hydraulic Structures section of IAHR Prof. H.Chanson, Secretary, Hydraulic Section of IAHR			
	9:00-9:30	Invited Lecture	Digital publishing, ethics and hydraulic engineering: the elusive or "boring" bore ?	H.Chanson	The University of Queensland, Australia
	9:30-11:10	Technical session 1	Scour at Semi-Integral Bridge Piers and Pile Groups	S. Akib et al.	University of Malaya, Malaysia
			Measurement of Scour-Hole Geometry at a Square Pier in a Gravel Bed	R. Diab et al.	Darmstadt University of Technology, Germany
			Scour reduction due to partial block ramp failure	I.Lotti and S. Pagliara	University of Pisa, Italy
			3D plunge pool scour profiles	D. Roy et al.	University of Pisa, Italy
			Analysis of safety against uplift in a stilling basin lining	A. A. A. Mees and M. G. Marques	IPH/ UFRGS, Brazil
	11:10-11:25	Break			
	11:25-13:05	Technical session 2	Design of Stable Riprap Downstream Of Stilling Basins Using Shear Velocity Method	S. M. Sadat-Helbar et al.	University of Tehran, Iran
			Riprap Sizing At Downstream Of Stilling Basins	S. M. Sadat Helbar and J. Farhoudi	University of Tehran, Iran
			Stability analysis for rubble toe protections	A. Reda and W. Sulisz	Institute of Hydroengineering PAS, Poland
			Dimensioning and Stability of a Pendulum Ramp	C. Sindelar	University of Technology Graz, Austria
			Overflow Features in a Particular Combined Sewer Manhole	I. Carnacina et al.	University of Pisa, Italy
	13:05-14:00	Lunch			
	14:00-15:20	Technical session 3	Modelling of flow over low gradient stepped chutes	M. Spano	Brno University of Technology, Czech Republic
Turbulence intensity and integral turbulent scales on a stepped spillway in skimming flows			S. Felder and H. Chanson	University of Aberdeen, United Kingdom	
Optimization of the Re-Aeration Potential on Embankment Stepped Spillways in Skimming Flow Regime			D. B. Bung and A. Schlenkhoff	Bergische University of Wuppertal, Germany	
Efficiency Evaluation of Cavitating Jet Apparatus			J.G. Dalfré Filho and A.I.B. Genovez	University of Campinas, Brazil	
15:20-15:35	Break				
15:35-17:35	Technical session 4	Downstream flow from sluice gate in a conduit as a hydraulic jump	A. A. A. Mees et al.	IPH/ UFRGS, Brazil	
		Pressure Fluctuation Field on Submerged Hydraulic Jump Downstream a Sluice Gate	E. F. N. Trierweiler	Laboratorio de Hidraulica Experimental e Recursos Hidricos, Brazil	
		Hydraulic jump classification downstream of block ramps for nonuniform channel bed material	M. Palermo et al.	University of Pisa, Italy	
		Experimental study of vertical anti-vortex wall at power intakes of Karun III dam	H. Sarkardeh et al.	Tarbiat Moallem University of Sabzevar, Iran	
		An alternative without aeration to avoid cavitation in high lift lock culvert valves	C. C. Battiston et al.	IPH/ UFRGS, Brazil	
17:35-17:50	Break	Using ANNs as a data mining approach to estimate scour depth around a circular pile due to wave in medium dense silt and sand bed	M. K. Ayoubloo et al.	Iran University of Science & Technology, Iran	
17:50-19:10	Technical session 5	Characteristic depths and energy dissipation downstream of a labyrinth weir	R. Lopes et al.	Technical University of Lisbon, Portugal	
		Hydraulic performance of roughened channels with cross beams	P. Mendes et al.	University of Coimbra, Portugal	
		Labyrinth Weirs	B. Crookston and B. Tullis	UTAH State University, USA	
19:10-20:30	Buffet	Performance of a Multipurpose Hydraulic Channel	F. Almeida Santos et al.	University of Coimbra, Portugal	
20:30-21:15	Parallel Round Table TS1 and TS2	Parallel collective discussion of the papers presented in the Technical Sessions 1 and 2			
21:15-22:00	Parallel Round Table TS3, TS4, TS5	Parallel collective discussion of the papers presented in the Technical Sessions 3, 4, and 5			
31st July	8:00-12:45	Technical Visit	Cardoso (Versilia River), Hydraulic structures		
	14:10-16:10	Technical session 6	Reservoir flushing optimization using a sophisticated 1D numerical model	A. Khosronejad	University of Guilan, Iran
			Numerical Modeling of flow hydrodynamics in the Dez reservoir	A. Khosronejad and S. Ghandehari	University of Guilan, Iran
			Hydropower Project Vianden, Computer Controlled Operation of Scaled Hydraulic Models	T. Mohringer et al.	University of Karlsruhe, Germany
			Modeling groundwater fluctuations in unconfined aquifers by artificial neural networks	Roshni T.	IIT, Kharagpur, India
16:10-16:40	Round Table	Application of SWMM for Urban Stormwater Management: A Case Study with Modelling	Lai S.H. et al.	University Sains Malaysia, Malaysia	
18:00-1:00	Gala Dinner	An Experimental Analysis of Effects Induced by Moving Bodies in Shallow Water	F. Kerger et al.	University of Liege, Belgium	
1st August	9:00-9:30	Invited Lecture	Obstacles in streams and their roles as hydraulic structures	J. D. Fenton	University of Karlsruhe, Germany
	9:30-10:50	Technical session 7	Effectiveness of fishways: Fish experiments in a vertical slot model (scale 1:1)	F. Morcillo et al.	Centre for Hydrographic Studies, Spain
			Influence of the widening of the tributary on confluence morphology: preliminary results	M. Leite Ribeiro et al.	Laboratory of Hydraulic Constructions, Switzerland
			Development of a model for effective filtration through up-gradation of HRF in combination with SSF	A. Roy et al.	Jadavpur University, India
			A fish protective operational mode for hydropower plants at the river Moselle and its effect on the eel population	B. Becker et al.	RWTH Aachen University, Germany
	10:50-11:05	Break			
	11:05-12:25	Technical session 8	RANS simulation of the flow generated by sluice gates	L. Cassan and G. Belaud	Supagro Montpellier, France
			An Explicit Projection Method for Solving Incompressible Navier-Stokes Equations	S. Detrembleur et al.	University of Liege, Belgium
Experimental investigation of bottom intake structures			M. Shafaibejstan	Shahid Chamran University, Iran	
12:25-13:00	Parallel Round Table TS7 and TS8	Howell Bunger Valve Discharge Coefficients	O.A. Pizzutolo and F.M., Renna	Technical University of Bari, Italy	
13:00-13:45	Final Round table	Parallel collective discussion of the papers presented in the Technical Sessions 7 and 8			
13:45-14:00	Closing ceremony				