

A	Tropical rivers
B	Mechanics of sediment transport and grain sorting
C	Long-term morphodynamics and bedforms in natural environments
D	Human interferences in morphodynamics
E	Biogeomorphology and Eco-morphodynamics

MONDAY 8-31

Auditorium Cine		Sala 2	Sala 3
<i>On-site Registration/Coffee</i>		Tropical rivers (A1)	Mechanics of sediment transport and grain sorting (B1)
7:00 - 9:00			
9:00 - 09:15	Talks - 2 sessions	Fluvial fluxes into the Cartagena Bay (Colombia), a hot spot of pollution in the Caribbean: Trends, variability and changes associated with upstream human impacts	The Behaviour Of Sediment Transport In A Mobile Meandering Channel With Emergent Vegetation Along Floodplain Edges For Overbank Flows
9:15 - 09:30	Talks - 2 sessions	The instability regime at the confluence of the Negro and Solimões rivers	Numerical investigation of morphological change and sediment sorting of braided rivers with sediment supply variation
9:30 - 09:45	Talks - 2 sessions		
9:45 - 10:00	Talks - 2 sessions	Post-confluence surface water and sediment distribution patterns of the Solimões-Amazon and Negro Rivers: a remote sensing-based geomorphic study of surface patterns at the large rivers confluences	
10:00 - 10:15	Talks - 2 sessions	Hydrodynamic And Morphodynamic Features Observed About The Confluence Of Negro And Solimões Rivers, Brazil	Incipient motion of a bimodal mixture of gravel and silt: a laboratory experimental study
10:15 - 10:30	Talks - 2 sessions	The analysis of Ground Penetrating Radar signal reflected from water volume influenced by sediment concentration	Mathematical analysis and accurate numerical solution of the Saint-Venant-Hirano model for mixed-sediment morphodynamics
10:30 - 11:00		Long-term morphodynamics and bedforms in natural environments (C1)	Human interferences in morphodynamics (D1)
	<i>Coffee break/Posters</i>		
11:00 - 11:15	Talks - 2 sessions	Channel morphodynamics in response to a major flood event in the Magra catchment (central-northern Italy)	Physical modeling of lateral dike breaching due to overtopping
11:15 - 11:30	Talks - 2 sessions	Analytical nonlinear modelling of width-curvature interactions in evolving meander bends	Effects of asymmetrical river discharge velocity on estuarine morphodynamics
11:30 - 11:45	Talks - 2 sessions	Case Study: General Scour and Bend Scour of Intermittent Rivers in Central Taiwan	Evaluation of coarse sediment processes in the Génissiat reservoir, France
11:45 - 12:00	Talks - 2 sessions	Horizontal flow separation in a sharp bend with a rapid increase in cross-sectional area	Modeling on Morphological Response of Pier Structure in a Strong Tide Environment
12:00 - 12:15	Talks - 2 sessions	Morphological evolution of an island tail, site of a power line tower	Importance of backwater effects to chute cutoff
12:15 - 12:30	Talks - 2 sessions	Cross-Sectional Flow And Velocity Redistribution In A Meandering Laboratory Flume	Changes in flow and sediment patterns generated by the construction of a new breakwater in the coastal zone
12:30 - 12:45	Talks - 2 sessions	Multi-decadal morphodynamics of alternate bars in the Alpine Rhine River	Assessing long-term effect of a Beach Landing Facility on a soft evolving coast using Unibest model.
12:45 - 14:45		Long-term morphodynamics and bedforms in natural environments (C2)	Biogeomorphology and Eco-morphodynamics (E1)
	<i>Lunch</i>		
14:45-15:00	Talks - 2 sessions	Modeling dune migration and sediment transport in a large elongate meander loop, Wabash River, USA.	Realistic Physical and Computational Modeling of Eco-hydraulics: Large Woody Debris as an Example
15:00-15:15	Talks - 2 sessions	On an entropy-based classification scheme of meandering rivers	On the Lateral Retreat of Salt Marshes: Field Monitoring in the Venice Lagoon (Italy)
15:15-15:30	Talks - 2 sessions	Stability analysis of a bifurcation in a sand-gravel river	Assessing the effect of flow releases on channel morphology and the persistence of Phragmites australis seedlings downstream of a small reservoir along the Platte River, Nebraska, USA
15:30-15:45	Talks - 2 sessions	River meandering induced by fluvial alternate bars	Computations on River Morphodynamics with Growth and Removal of Vegetation
15:45-16:00	Talks - 2 sessions	Characteristics of a finite secondary channel of the large Paraná river	Turbulence, hydrodynamics and morphodynamics within a fringing coastal mangrove forest

**Auditorium Alma
Magna - UNAP**

16:00 - 16:30 *Coffee break*

16:30-17:00 Opening ceremony

17:00-18:00 Keynote Lecture I: Carl Friedrichs

Samiria Hotel

18:30 - 20:30 *Reception I (Posters)*

Carl T. Friedrichs: Tidal Flats Morphodynamics: A Synthesis

TUESDAY 9-1

Auditorium Cine		Sala 2	Sala 3
08:00 - 08:30	Coffee	Tropical rivers (A2)	Mechanics of sediment transport and grain sorting (B2)
08:30 - 08:45	Talks - 2 sessions	Secondary circulation in the Rio Magdalena, Colombia	Numerical experiments on the coevolution of alternate bars and forced bed surface patches
08:45 - 09:00	Talks - 2 sessions	Downstream changes in process-control on the architecture and fill of distributary channels: a case study from the Mitchell River megafan and delta, Gulf of Carpentaria, Australia.	Sensitivity Analyses For The Numerical Modeling Of Flocculation Processes And Sedimentation Of Fine Sediments
09:00 - 09:15	Talks - 2 sessions	Effect of fluvial islands on distribution of water and sediment at river bifurcations	A new approach for the prediction of coastal erosion in Arctic areas
09:15 - 09:30	Talks - 2 sessions	Anabranching channel patterns: the kingdom of large alluvial rivers	Modelling cross-shore statistical moments for near bed orbital velocity and acceleration
09:30 - 09:45	Talks - 2 sessions	Assessing Bedload Transport Estimates for Tropical Rivers in Costa Rica	Numerical modeling of the tidal dynamic in the Tumbes Mangroves National Sanctuary
09:45 - 10:00	Talks - 2 sessions	Quaternary Morphodynamics of Fluvial Dispersal Systems: Measuring and Modelling the Fly River, PNG, and the Sunda Shelf, SE Asia.	Laboratory analysis on silt infiltration into a gravel bed
10:00 - 10:30	Coffee break/Posters	Long-term morphodynamics and bedforms in natural environments (C3)	Human interferences in morphodynamics (E2)
10:30 - 10:45	Talks - 2 sessions	Analogy of the Sedimentary Morphodynamics of Turbidity Currents and River Flows	
10:45 - 11:00	Talks - 2 sessions	Formation and migration of sandbars in suspended sediment dominated Brahmaputra River	Assessment of coastal structures influence on coastal changes. The case of Juan Lacaze, Uruguay.
11:00 - 11:15	Talks - 2 sessions	Simulation of long term estuarine morphodynamics with a process-based 3D model accounting for mixed sediment transport (sand and mud)	Development of a high resolution wave-current-sediment transport model of the Rio de la Plata and Montevideo's Bay
11:15 - 11:30	Talks - 2 sessions	How do large-scale coastline morphodynamics respond to changing climate forcing? Quasi-equilibrium versus long-term memory and path dependence	Human impact on the supply of sand and gravel towards the Rhine Delta
11:30 - 11:45	Talks - 2 sessions	A Global Study on the Pace of River Planform Change	The importance of numerical and site investigations for the management of estuary sediments - a case study of the Scheldt River
11:45 - 12:00	Talks - 2 sessions	Point-bar pattern in meandering tidal channels	Development of the tidal watersheds in the Western Wadden Sea under influence of the closure of Zuider Sea
12:00 - 12:15	Talks - 2 sessions	Alternate bar instability	The application of longitudinal dams in Dutch River management
12:15 - 12:30	Talks - 2 sessions	Periodic migration of sandy shoals on the ebb-tidal deltas of the Wadden Sea	Morphological changes due to flooding: the Indus River
12:30 - 12:45	Talks - 2 sessions	A Classificatory and Hierarchical Approach to the Quantification of Floodplain Depositional Elements in Large Rivers	Design and modeling of reservoir operation strategies for sediment management
12:45 - 14:45	Lunch		
	Auditorium Alma Magna - UNAP		
14:45 - 15:45	Keynote Lecture II	Heidi Nepf: Vegetation-Flow Interaction and Possible Feedbacks to System Structure Function	
15:45 - 16:00	Coffee break	Long-term morphodynamics and bedforms in natural environments (C4)	
16:00 - 16:15	Talks - 1 sessions	Process and form: bend-scale morphodynamics along the Ucayali River from satellite imagery	
16:15 - 16:30	Talks - 1 sessions	Cutoff processes and its importance to planform adaptation	
16:30 - 16:45	Talks - 1 sessions	A least action philosophy; the evolution of alluvial rivers towards the stable-stationary equilibrium state	
16:45 - 17:00	Coffee break		
17:00 - 18:00	Keynote Lecture III	Astrid Blom: The effects of size-selective transport and abrasion on river profile concavity and downstream fining	
	Villa Naval		
18:30 - 20:30	Reception II (Posters)		

THURSDAY 9-3

Auditorium Cine		Sala 2	Sala 3
08:00 - 08:30 Coffee		Tropical rivers (A3)	Mechanics of sediment transport and grain sorting (B3)
08:30 - 08:45	Talks - 2 sessions	Comparisons of discharge extrapolation methods for moving-boat ADCP streamflow measurements	Salinity front structure, divergence of residual velocity fields and sediment deposition at the Amazon River mouth.
08:45 - 09:00	Talks - 2 sessions	An Amazonian river bottom morphology determination using an ADCP device	Emergence of gravel sand transitions by suspension deposition
09:00 - 09:15	Talks - 2 sessions	On Acoustic Measurement of Sediments in a River	The effect of vegetation hysteresis on riverbed morphology
09:15 - 09:30	Talks - 2 sessions	Application Of Acoustic Technology To Quantify Suspended Sediment Concentrations In A Large River With Bimodal Grain Size Distribution	Field experiment on the dynamics of fine and coarse sediments over a gravel bar in an alpine river
09:30 - 09:45	Talks - 2 sessions	The features of cyclic steps formed by surge-type turbidity currents on Squamish Delta, British Columbia, Canada	In-situ Measurements of Pore Pressure Variations in the Intertidal Zone of a Sandy Beach, Cannon Beach, Yakutat, Alaska
09:45 - 10:00	Talks - 2 sessions	Experiments on the evolution of supply-limited sand bed forms on coarse gravel beds	
10:00 - 10:30 Coffee break/Posters		Long-term morphodynamics and bedforms in natural environments (C5)	Long-term morphodynamics and bedforms in natural environments (C6)
10:30 - 10:45	Talks - 2 sessions	Residual circulation patterns of a multiple-inlet system: implications for sedimentology and morphology	Conditions for Lateral and Vertical Incision in a Mixed Bedrock-Alluvial Meandering Channel
10:45 - 11:00	Talks - 2 sessions	Using Remotely Sensed Water-Surface Elevation and Velocity to Infer Channel Bathymetry and Morphodynamics	Geometric and Hydraulic Features of Meandering Rivers in the Wetlands
11:00 - 11:15	Talks - 2 sessions	Recent historical variations in the morphology and energy balance of the Changjiang (Yangtze) and the implications for defining equilibrium conditions	Changing in morphodynamics of the ephemeral Piura River due to ENSO
11:15 - 12:15	Coffee break/Posters	POSTERS	
12:15 - 12:30	Talks - 2 sessions	Experimental Submerged Vanes Turbulence Analysis	A Simplified Modelling Approach For Inner Bank Advance In Evolving Meander Bends
12:30 - 12:45	Talks - 2 sessions	Modeling Bulge-Effect at laboratory scale: using the Telemac-Mascaret suite of open-source hydrodynamic solvers	An Immersed Boundary Method for Modeling Bank Retreat in 2D Numerical Models
12:45 - 14:45 Lunch		Mix C7	Mix C8
14:45 - 15:00	Talks - 2 sessions	Quantification of tidal inlet morphodynamics using high-resolution MBES and LiDAR	Sedimentological behavior of the Mezcalapa river bifurcation
15:00 - 15:15	Talks - 2 sessions	Morphology Impact Of Geometric Parameters, Such As Tributary Local Widening And Width Ratios, On River Confluences	The influence of geometry on morphodynamic equilibria for tidal basins
15:15 - 15:30	Talks - 2 sessions	Improved numerical modeling of morphodynamics of rivers with steep banks	Sensitivity in long-term delta morphodynamics: physics versus model artefacts
15:30 - 15:45	Talks - 2 sessions	Experimental Study on Bar Formation and Bank Erosion using Erodible Bank Channel	Physical mechanisms underlying km-scale shoreline sand waves
15:45 - 16:00	Talks - 2 sessions	Hydromorphological approach for flood risk analysis of the lower Biobío river and adjacent metropolitan area	Backwater Scaling of Alluvial Bed Forms
16:00 - 16:30 Coffee break			
16:30 - 17:30	Keynote Lecture IV	J.P. Syvitski: The Amazon --- An Incredible Tropical River System	
Sombrero de Paja Restaurant			
Buses at Hotels (Dorado, Samiria, Victoria Regia)			
18:30	Closing		
19:00 - 00:00	Ceremony/Banquet		