

## TECHNICAL SESSION 1A (3 July, 2.15 pm)

<b>Maria Adamo, Giacomo De Carolis &amp; Guido Pasquariello</b>	Assessing wind and wave fields by means of remote sensing techniques on coastal zones
<b>Claudio La Mantia</b>	IMCA: Integrated Management of Coastal Areas
<b>Monique Viel, Giulio Ceriola, Paolo Manunta, Vito De Pasquale, Guido Pasquariello, Raffaella Matarrese</b>	Marcoast: Water Quality Services for the European Seas
<b>S. De Vries M.A. De Schipper, J.S.M. Van Thiel De Vries, W.S.J. Uijttewaa M.J.F. Stive</b>	Using Stereo Photo Measurements to analyze the Surfability of Ship Induced Waves
<b>PEDRO LOMONACO(1), CESAR VIDAL(2), INIGO J. LOSADA(3), RAUL MEDINA(4) &amp; CHRISTIAN DEUTCHE</b>	DESIGN OF A MULTIDIRECTIONAL WAVE AND CURRENT BASIN FOR SHALLOW, INTERMEDIATE AND DEEP WATERS.
<b>Rodrigo CARBALLO, Óscar IBÁÑEZ, Gregorio IGLESIAS, Alberte CASTRO, Juan Ramón RABUÑAL &amp; Julián DORADO</b>	AN ARTIFICIAL VISION SYSTEM FOR PHYSICAL MODEL TESTS IN MARITIME ENGINEERING
<b>Shu-Jing Jan* Ray-Yeng Yang Hwung-Hweng Hwung Li-An Kuo Chen-Lin Teng Hervé Capart</b>	Laboratory observation on motion and deformation of aquaculture cage by non-intrusive stereo imaging method

## TECHNICAL SESSION 1B (3 July, 2.15 pm)

<b>L. CAVALLARO, A. MARINI, R. E. MUSUMECI &amp; G. PARATORE</b>	A new 2D strategy for measuring the evolution of a sandy bottom
<b>Ahmari, A. ; Gruene, J. ; Oumeraci H.</b>	Large-scale laboratory measurements of suspended sand concentration induced by non-breaking waves with acoustic backscatter technique
<b>Joachim Grüne, Zeya Wang, Reinold Schmidt-Kopenhagen, Alexander Sub</b>	Cross-shore beach evolution large-scale laboratory tests with irregular waves
<b>Cáceres, I.1, Alsina, J.M.2, Sánchez-Arcilla, A.1</b>	Mobile-bed tests. The SANDS experiments performed at the CIEM
<b>M.A. Lashteh Neshaei, M.A. Mehrdad, M. Arabani, M. Shakeri Majd</b>	A Sheet Flow Model to Estimate the Sediment Transport Rate for Beaches Protected by Seawalls
<b>M. COUTOS-THEVENOT*, E. LAGROY DE CROUTTE &amp; V. APPICELLA</b>	Physical modelling of the Saint-Louis (SENEGAL) sand spit evolution
<b>Paula Freire, Francisco Sancho, Filipa S. B. F. Oliveira</b>	Sediment Dynamics and Scaling Laws for Propagating Waves Reaching Coastal Defences

## TECHNICAL SESSION 2 A (3 July, 4.30 pm)

<b>M. F. Bruno, S. Lanza, B. Nobile, A.F. Petrillo, G. Randazzo</b>	Evolution of a coastal system protected by submerged natural structures: the shoreline of Erice (western Sicily)
<b>Osanne PAIREAU, Mélanie GRECO, Luc HAMM, Guy OLLIVER, John WALLACE</b>	3D PHYSICAL MODELLING OF THE STABILITY OF AN EXTENDED BREAKWATER UNDER OBLIQUE WAVE ATTACK
<b>Stagonas Dimitris , Müller G, Karmbas Th., Warbrick D, Zarkadas T., Valais G.</b>	A laboratory and numerical study of a wave screen breakwater
<b>Joao A. Santos, Rui Capitaio, Isaac Sousa</b>	Probabilistic distributions of sea wave parameters in the diagnosis of rubble-mound breakwaters
<b>Sadaf Nezafatkoh, Habib O. Bayat</b>	Evaluating scale effects on experimental studies of nonlinear unsteady flow regimes through rubble mound breakwaters
<b>Cristina Afonso, M. Graca Neves, L. Gabriel Silva, A. Trigo-Teixeira</b>	Hydraulic stability of Antifer cubes on rubble mound breakwaters. Study on a 3D physical model
<b>ENRICA MORI (1), CLAUDIA D'ELISO (2) &amp; PIER LUIGI AMINTI</b>	Geotextile Sand Containers used for submerged breakwater: scaling effects and stability

## TECHNICAL SESSION 2 B (3 July, 4.30 pm)

<b>PAOLO VELTRI, FRANCESCO ARISTODEMO, GIUSEPPE MARADEI &amp; BIANCA VERBENI</b>	Study on the shoreline stabilization at Gizzeria (Southern Italy)
<b>Andrea Navarra</b>	Preciso Coste; Coastline change detection with very high resolution imagery
<b>M. Henriquez, A.J.H.M., Reniers, B.G. Ruessink T.P. Stanton, M.J.F. Stive</b>	On the Scaling of Sediment Transport during Onshore Sandbar Migration
<b>Claudia D'Eliso e Cappiotti</b>	Gravel nourishment with and without a submerged breakwater as an emergency measure against erosion
<b>Ulrike Preper nau, Joachim Grüne, Reinold Schmidt-Koppenhagen, Zeya Wang, Hocine Oumeraci</b>	Large-scale model tests on scour around slender monopile under life-bed condition
<b>DE VOS LEEN , DE ROUCK JULIEN &amp; TROCH PETER )</b>	On the experimental study of scour protections around monopile foundations: profile of dynamically stable scour protection
<b>LUCIANA DAS NEVES, MARIA DE LURDES LOPES, FERNANDO VELOSO GOMES, FRANCISCO TAVEIRA PINTO, SUSANA GARCIA, GREGORIO IGLESIAS</b>	MOVABLE BED MODEL OF A DUNE EROSION CONTROL SYSTEM USING GEOTEXTILE SAND-FILLED CONTAINERS

## TECHNICAL SESSION 3A (4 July, 8.15 am)

<b>Conceicao Fortes, Rute Lemos, Artur Palha, Liliana Pinheiro, Joao Alfredo Santos, Maria da Graca Neves, Rui Capitaio, Isaac Sousa</b>	The influence of the geometric scale model on the physical modelling of the wave propagation and breaking in a flume
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<b>Halina Kowalewska-Kalkowska, Marc Kowalewski</b>	Application of numerical model of the Baltic Sea to a post-hoc analysis of hydrodynamic conditions during storm surges in the Oder mouth area
<b>Conceicao Fortes, Takashi Okamoto</b>	Experimental verification of the vertical speed of the free surface as the wave breaking index
<b>Alireza</b>	Determination of flow resistance of vegetated floodplains
<b>Tiago Zenker Gireli, Paolo Alfredini e Emilia Araski</b>	Flume Physical Modelling of regular and irregular wave generation for Berm Yetti Study
<b>Carla FARACI, Enrico FOTI, Romano FOTI &amp; Salvo BAGLIO</b>	Alternative methods for shear stress estimate in oscillating flows: preliminary investigations
<b>Sara Corvaro, Alessandro Mancinelli, Carlo Lorenzoni, Maurizio Brocchini, Luciano Soldini, Elisa Seta, Matteo Postacchini</b>	Study of wave damping due to a porous bed

## TECHNICAL SESSION 3B (4 July, 8.15 am)

<b>Marcello DI RISIO, Giorgio BELLOTTI, Matteo G. MOLFETTA , Francesco ARISTODEMO, Andrea PANIZZO, Paolo DE GIROLAMO, Luigi PRATOLA, Antonio F. PETRILLO</b>	Landslide generated tsunamis at the coast of a conical island: new three-dimensional experiments
<b>Valeri Penchev</b>	EXTREME solitary waveS at restricted water depth
<b>DAVID ROBINSON, INGRID CHAVET, WILLIAM ALLSOP &amp; TIZIANA ROSSETTO</b>	Development of a new Tsunami Wave Generator
<b>Cosimo Pignatelli, Paolo Sansò, Giuseppe Mastronuzzi</b>	Evaluation of tsunami flooding along the coast of the southern Apulia (Italy) using geomorphologic evidences
<b>YONG-UK RYU, KUANG-AN CHANG &amp; JONG-IN LEE</b>	Aeration of the Overtopping Flow due to Breaking Waves
<b>JONG-IN LEE, YONG-UK RYU &amp; YOUNG-TAEK KIM</b>	Overtopping Water Falling on Breakwater Leeseide
<b>Joachim Grüne</b>	Wave run-up estimation for irregular dike profiles based on field data
<b>D. De Padova, R.A. Dalrymple, M. Mossa, F. Petrillo</b>	An analysis of the artificial viscosity in the SPH method modelling a regular breaking wave

## TECHNICAL SESSION 4A (4 July, 11 am)

<b>FRANCESCO ARISTODEMO &amp; PAOLO VELTRI</b>	Pressure distributions induced by waves and currents around a slender cylinder lying on the sea bottom
<b>Masoud Sadrinab</b>	Circulation of the Persian Gulf: A physical model
<b>Emilia Araski, Paolo Alfredini , Tiago Zenker Girelli</b>	Physical Modelling Study of sea outfall plume dispersion - the case of Baixada Santista, Brazil
<b>H. GUEDES LOPES, F. TAVEIRA PINTO F. VELOSO GOMES, G. IGLESIAS &amp; A. CASTRO</b>	Study of Oil Spill Barriers - Physical Modelling on the University of Porto
<b>FRANCESCO ARISTODEMO, PAOLO VELTRI, RODOLFO PALLONE &amp; MARIO PARRACINO</b>	Marine waste water discharges in Calabria: analysis, verification and project
<b>D'Alessandro, Campanaro, Frega, Tomasicchio</b>	Design and verification of a contaminated material capping structure along the Adriatic Coast, in The South of Italy
<b>LUIS GÓMEZ-DÍEZ-MADROÑERO , ANTONIO RUIZ-MATEO , ANA M. ÁLVAREZ-GARCÍA &amp; MARTA ESPINÓS-PALENQUE</b>	PHYSICAL MODELLING OF MIXING THROUGH COASTAL DEFENSE SUBMERGED BREAKWATERS IN BARCELONA BEACHES
<b>M. Ben Meftah, M. Mossa, A.F. Petrillo, A. Pollio</b>	Calibration of a sea current numerical model using field measurements offshore Taranto (Italy)

## TECHNICAL SESSION 4B (4 July, 11 am)

<b>Alberte CASTRO, Gregorio IGLESIAS, José Angel FRAGUELA, Rodrigo CARBALLO, Francisco TAVEIRA-PINTO &amp; Hugo LOPES</b>	PHYSICAL MODEL ANALYSIS OF FLOATING OIL BOOMS
<b>P. ROSA-SANTOS , F. VELOSO-GOMES, F. TAVEIRA-PINTO, C. GUEDES-SOARES, N. FONSECA, J.A. SANTOS, A. PAULO MOREIRA, P. COSTA &amp; E. BRÓGUEIRA-DIAS</b>	Physical model study of the behaviour of an oil tanker moored at a jetty
<b>K. RAVEENTHIRAN, T. PEMASIRI, K. RAMACHANDRAN, K. THULASIKOPAN, K. PATHIRANA, J. KURUKULASURIYA &amp; M. MENDIS</b>	ASSESSMENT OF WAVE DISTURBANCE AND SHIP MOTION FOR THE DETAILED DESIGN OF THE HAMBANTOTA SEAPORT
<b>L. V. P. N. JAYAWARDENA, T. KOPAN K. RAVEENTHIRAN, M. AMARI, G.BAY and M. S. MENDIS</b>	3D Physical Model testing on New El Kala fishery harbor in Algeria
<b>Fatemeh Aliyari, Mohsen Soltanpour , Payman Aghtouman and Feraydon Vafai</b>	EXPERIMENTAL INVESTIGATION ON THE MOORING FORCES OF A SINGLE PONTOON-TYPE FLOATING BREAKWATER
<b>DE BACKER GRIET, VANTORRE MARC, DE ROUCK JULIEN</b>	Experimental study of botton slamming on point absorbers using drop tests
<b>Ramon Gutierrez Serret, Lazaro Redondo Redondo and Felipe Jimeno Vazquez.</b>	PHYSICAL MODEL TESTS FOR THE NEW SEVILLE PORT LOCK,

## TECHNICAL SESSION 5A (4 July, 2 pm)

<b>Paolo Alfredini, Tiago Zenker Girelli, Emilia Arasaki</b>	Ships port manoeuvring analogical simulator
<b>A. BASNAYAKA, N. SUGANDIKA, K. RAVICHANDREN, K.. RAVEENTHIRAN, M. AMARI &amp; M. MENDIS</b>	DEVELOPMENT AND CONSOLIDATION OF THE EL KALA PORT IN FISHING AND PLEASURE: PHYSICAL MODELLING INVESTIGATION
<b>G. Balacco, M.M. Dell'Anna, M. Di Modugno, P. Mastrorilli, R. Paolillo, A.F. Piccinni</b>	Analysis of first flush waters in the Bari harbour
<b>TOMAS L.M. , COULTHARD T., McLELLAND, S.J. and J. RAMIREZ</b>	Application of a cellular model in a managed realignment site, Paull Holme Strays, UK
<b>T.A.N. SUGANDIKA, L.V.P.N. JAYAWARDENA, K. THULASIKOPAN , D.P.L. RANASINGHA, K. RAVEENTHIRAN, M.A.R. ANASARI &amp; M. MENDIS</b>	Construction of KrishnapatnamPort 3D (Basin) Physical Modelling
<b>L. Damiani, D. Malcangio, M. Mossa, A. F. Petrillo</b>	Mathematical Modelling as Support for planning decisions

## TECHNICAL SESSION 5B (4 July, 2 pm)

<b>Piero Ruol, Luca Martinelli, Barbara Zanuttigh</b>	2D and 3D experimental analysis on forces and performance of floating breakwaters
<b>H. GUEDES LOPES, P. ROSA SANTOS, F. VELOSO GOMES, F. TAVEIRA PINTO &amp; E. BRÓGUEIRA DIAS</b>	Physical modelling study of the hydraulic efficiency of vertical perforated quay walls
<b>Dogan KISACIK, Philippe Van BOGAERT, Peter TROCH, Joost Van SLYCKEN, Patricia VERLEYSEN</b>	Experimental results of loading conditions due to violent wave impacts on coastal structures with cantilever surfaces
<b>D.M.D.T.B. DASSANAYAKE, S. KUMUTHINI, D. WOOTTON &amp; M. MENDIS</b>	3D HYDRAULIC MODEL STUDY TO THE BREAKWATER DESIGN FOR COLOMBO SOUTH HARBOUR
<b>Gregorio IGLESIAS, Alberte CASTRO, Rodrigo CARBALLO, Fernando VARELA &amp; Hernán FERNANDEZ</b>	PHYSICAL MODEL TESTS OF THE WAVE ENERGY CONVERTER WAVECAT
<b>Carlo Lorenzoni, Maurizio Brocchini, Alessandro Mancinelli, Luciano Soldini, Elisa Seta, Matteo Postacchini</b>	An Experimental Analysis of the Hydraulics of submerged structures dissipating by macro-roughness

## POSTER SESSION

(poster will be exposed during all the conference days; Authors are kindly requested to be present at the poster location, above all during coffee breaks and lunches)

<b>B YANG, D-S JENG, FP. GAO AND YX WU</b>	Scour around the pipeline in unidirectional ocean currents
<b>CALABRESE M., BUCCINO M., CIARDULLI F., DI PACE B., BENASSAI E.</b>	The generation of periodic shallow water waves in a flume: results from small and large scale tests
<b>Carla FARACI, Enrico FOTI, Romano FOTI &amp; Salvo BAGLIO</b>	Alternative methods for shear stress estimate in oscillating flows: preliminary investigations
<b>D. P. L. Ranasinghe, D. M. D. T. Dassanayake, K. Raveenthiran &amp; M. Mendis</b>	Physical modelling of stability for the proposed hambantota seaport design
<b>Damiani L., Molfetta M.</b>	A video based technique for shoreline monitoring in Alimini (Lecce)
<b>EDOARDO BENASSAI, MARIO CALABRESE, MARIANO BUCCINO, PASQUALE DI PACE, FRANCESCO PASANISI, CARLO TEBANO &amp; FRANCESCO ZARLENGA</b>	Laboratory tests on performance of a coastal protection project in Agropoli
<b>Rosanna Gencarelli, G. R. Tomasicchio, F. D'Alessandro, F. Frega</b>	Dune erosion prediction during storm surges
<b>F. Lalli, S. Corsini, F. Guiducci, I. Lisi, S. Mandrone, V. Pesarino</b>	Breakwater-Induced Environmental Effects at Pescara Harbor: experimental investigations
<b>Francesca De Serio, Michele Mossa</b>	Experimental observations of irregular breaking waves
<b>Giuseppe Barbaro , Maria Chiara Martino , Saveria Meduri, Felice Arena</b>	On the computation of longshore sediment transport in a sea state

<b>Iolanda LISI, Marcello DI RISIO, Paolo DE GIROLAMO, Gian-Mario BELTRAMI</b>	Experimental modeling of sand beach nourishment cross-shore evolution
<b>JORDAN MARINSKI , GERGANA DROUMEVA</b>	Method for Identifying of Breaking Wave-Wall-Contacting Medium
<b>M.F. Bruno, A. Giuliani</b>	Investigation on morphological effects of detached breakwaters at Trani
<b>M.F. Bruno, A.F. Petrillo</b>	Analysis on meteomarine climate at Tremiti islands
<b>M.F. Bruno, L. Damiani, A. Gioia, V. Iacobellis</b>	Frequency of extreme wind speeds on the Adriatic and Ionian Apulian coast: a bayesian approach
<b>M.G. Molfetta, A.F. Petrillo, L. Pratola, A. Rinaldi</b>	Evolution of an unprotected beach under oblique wave attacks
<b>M.G. Molfetta, A.F. Petrillo, L. Pratola, A. Rinaldi</b>	Non-linearity phenomena in the evolution of the sea states passing from deep to shallow waters
<b>Maria Chiara Martino, Giuseppe Barbaro</b>	The design wave for coastal structures
<b>MARIA MAVROVA-GUIRGUINOVA, NIKOLAY VALCHEV</b>	COMPATIBILITY AND ACCURACY OF DIFFERENT APPROACHES FOR WIND WAVE MODELLING: WESTERN BLACK SEA SHELF CASE
<b>Rodolfo Napoli, Daniele Panza</b>	Coast accretion resorting to sea sandpits
<b>Vladimir Androcec</b>	Hydraulic Characteristics of Vertical perforated sea wall
<b>COX R, CARLEY J, COGLAN I, BLACKA M, HORNSEY W &amp; RESTALL S</b>	Stability of sand filled geocontainers in seawalls exposed to breaking waves.
<b>YOUNG-TAEK KIM &amp; JONG-IN LEE</b>	Stability of Armour Block for Rubble-Mound Breakwaters
<b>Ranieri G., L. Damiani, L. Ranieri</b>	A comparative analysis of Italian and Albania coast
<b>Ranieri G., A. F. Petrillo, L. Francioso</b>	A selection of a geoinicator set for the coastal erosion risk evaluation