Opening Session

Monday 4 July (09:00 – 10:00)

Keynote 1:

Monday 4 July (1000 - 1100)

New technology focused on SPH method and its applicability for numerical models on coastal processes and propagation, and related topics

Prof. Robert A. Dalrymple - Johns Hopkins University, Civil Engineering - USA

Monday 4th - July				
Sessions 1.1: 11.30 to 13.30				
Room A: 1.1: Direct methods for waves measurement (1)	Room B 7.4: New simulation techniques (1)	Room C 6.1: Physical models: Wave generation and measurement (1)	Room D 4.3: Run-up and overtopping	Room E 9.3: Ind. Ocean Tsunami: prevention and monitoring
Chung-Chu Teng	Josep Medina	Bill Seaberg	Billy Edge	Yury Korolev
186 On wave measurements with buoys in shallow water Arntsen, Ø. A.; Tørum, A.	93 Spectral/hp Element Methods – the Next Generation of Numerical Wave Models in Coastal Engineering? Eskilsson,C, Engsig-Karup,AP, Sherwin,SJ , Hesthaven,JS , Bergdahl,L	159 Micro-modeling of wave fields Fröhle P., Müller G.	17 A Comparison of Empirical, Semi-Empirical and Numerical Wave Overtopping Models Reis, M.T., Hu, K., Hedges, T.S.	299 Can HF Radar detect a tsunami? Wyatt, L.R., Moorhead, M.
218 Intercomparison experiments of different methods of directional wave measurement Lee, D.Y., Shim, J.S. , Maa ,J. , Kim, S.I.,Park, K.S.	71 Wave-Breaking Graphics by MPS Method with Sub-Particle-Scale Texture Model Hashimoto, M., Sakai, T., Gotoh, H., Ikari, H.	223 Measurements of Coherent Turbulence in Breaking Solitary Waves By Particle Image Velocimetry Ting, Francis C. K.	66 Liquid-Gas Two-Phase-Flow MPS Method for Simulation of Wave Overtopping Ikari, H., Gotoh, H., Sakai, T.	300 An Inexpensive, Sustainable Network for Monitoring Tsunami Goring, Derek G.
43 Measuring Directional Waves and Surface Currents Using Horizontally Mounted ADCPs. Strong B. , Brumley B. , Mullison J. , Terray E.	80 Computing Non-breaking and Breaking Waves Using an Efficient Nonhydrostatic Free-Surface Flow Model Zijlema, M., Stelling, G.S.	177 Spatial Evolution of Directionally Distributed Water Surface Waves: Numerical Simulation and Experiment Trulsen, K.	207 Prototype measurement and analysis of overtopping waves individual volume at the Roma yacht harbour rubble mound breakwater Bellotti, G., Briganti, R., Franco, L.	308 Comparative study on the grain size distribution and net sediment transport along the south west coast of India in the pre and post Tsunami periods K.C.Praseeda
128 Directional Wave Data Measured from Data Buoys Using Angular Rate Sensors and Magnetometers Teng, Chung-Chu; Bouchard, Richard.	36 Numerical simulation for large deformation of fluid-solid interaction using CIP-EDEM method Mutsuda, H., Shimizu, K., Doi, Y., Takahashi, Toshiyuki	153 Laboratory Measurements of Solitary Wave Damping, Shoaling, and Runup Vandever, J. P. and Liu, P. L.-F.	298 Prediction of Solitary Wave Run-up on an Arbitrary Plane Beach Taylor,PH, Borthwick,AGL, Ford,M, Weston,B, Stansby,PK	323 Behaviour of shoreline between groin field and its effect on the tsunami propagation Sundar,V.
33 Wave directional Observation by Arrayed Wave Height Meter in Extremely Shallow Water Yoo, Y., Kouguchi, N., Fujii, H., Ishida, H. and Deguchi, I.		34 Waves in numerical and physical wave basins – a deterministic combination Zhang ,Haiwen and Schäffer, Hemming .A	227 Long Waves in the Surf and Swash Karunarathna, H, Chadwick A J	307 Hindcast of Flooding caused by Tsunami in Aceh – Sumatra Vatvani D., Schrama E.J.O., Kernkamp H.W.J., Boon J.G.
		191 Distribution of Impact Pressures on the Surface of Inclined Cylinder Caused by Laboratory Breaking Waves Hong, K., Shin, S.-H.		302 Proposals to the Optimal Placement of the Sea Level Stations for the Operative Tsunami Warning in the Indian Ocean Poplavsky,A.A., Khramushin,V. N.

Sessions 1.2: 15.00-16.20

Room A: 1.1: Direct methods for waves measurement (2)	Room B 7.4: New simulation techniques (2)	Room C 6.1: Physical models: Wave generation and measurement (2)	Room D 4.1: Waves -currents interaction
Evert Bouws	Tetsuo Sakai	Mike Briggs	Íñigo Losada
256 High Frequency Low Amplitude Waves Study On A Marina To Perform Outside- Inside Transfer Function Evaluation Benito,C., Santás,JC, Zataraín,J.L., Navarro A., Martín M.J.	219 Smoothed Particle Hydrodynamic Simulation on Sediment Suspension under Breaking Waves Zou, S, Rogers, B. D., Dalrymple, R. A.	236 Laboratory Measurements of Waves and Wave-Induced Currents At a Jettied Inlet Seabergh, W, Lin, L., Demirbilek, Z.	114 Modeling the Effect of Wave Current Interaction on Morphological Evolution in The Bristol Channel U.K. Jones, O.P., Harris, J.M.
249 Wave measurements from a subsurface platform Pedersen, T., Lohrmann, A, Krogstad, H.	149 SPH-LES two phases simulation of breaking waves Cuomo, G., Panizzo, A., Dalrymple, R. A.	284 Experimental Determination of Friction Coefficient and Velocity Profiles for Wave-Current perpendicular interaction Fernando, M.P.C., Guo, J., Lin, P.	290 Determining the Influence of Wave-Current Interaction on the Bottom Shear Stress through Numerical Calculations with a Coupled Model Ocampo-Torres, F.J., Rosales, P., Monbaliu, J.
242 Desk study to optimise wave instrumentation for large and shallow Dutch lakes Ruijter, M., Bottema M., van den Boomgaard M.	180 Coherent turbulent structures in a quasi-steady spilling breaker Misra, S. K., Kirby, J. T., Brocchini, M., Veron, F. and Thomas, M.	296 On Generation of Single Steep Waves in Tanks Shemer, L , Grüne, J., Goulitski, K., Kit, E., Schmidt-Kopenhagen, R.	228 A numerical study on the effect of wave-current interaction processes in the hydrodynamics of the Irish Sea Osuna, P., Wolf, J.
	19 Three dimensional sph-sps modeling of wave breaking Rogers, Benedict D. and Dalrymple, Robert A.	14 Wave Resonances Detected in a Wave Tank and in the Field Büsching, F.	

Monday 4th -July

Sessions 1.3: 16.40-18.00

Room A	Room B	Room C	Room D
1.2: Optical methods for waves measurement	7.4: New simulation techniques (3)	6.2: Waves and structures	2.3: Extreme waves analysis
Mark Donelan	Hitoshi Gotoh	Michael Isaacsson	Yoshimi Goda
268 Development and validation of a stereo-matching algorithm for measuring water waves image sequences Benetazzo, A., Simione, E.	250 A Hybrid Finite Element and SPH Model for Forced Oscillations in Basins Narayanaswamy, M., Dalrymple, R.	231 A new typology of low reflection vertical breakwater. Physical wave model. Gutiérrez-Serret, R., Lozano, J. , Carrasco, A.	168 A model for the analysis of trends of extreme value wave climate Méndez, F.J., Menéndez, M., Luceño, A., Losada, I.J.
172 PIV Applied to Near-shore Video Images Fritz, H. , Yoo, J., Barnes, C., Haas, K. , Work, P.	206 Analytical and SPH approaches to simulate landslide generated waves runup Di Risio M., Panizzo A.	23 Wave Shoaling Analysis Near Submerged Breakwaters Taveira Pinto, F.,Valente Neves, A. C.	287 Steep Wave Kinematics and Interaction with a Vertical Column Kristiansen,T., Baarholm, R., Stansberg, C.T., Hansen, E.W.M. , Rørtveit, G. .
173 Wave Property Estimation using Linear Feature Extraction from Nearshore Wave Images Yoo, J., Barnes, C., Fritz, H. , Haas, K. , Work, P.	226 Possibilities of the Particle Finite Element Method (PFEM) for Analysis of Port Structures under Wave Loads Oñate, E., Celigueta, M.A., Idelsohn, S.R., Del Pin, F.	45 Design Approach of Nuclear Safety-related Submerged Intake Structure Controlled by Wave Actions at Open Sea Lee, N. H., Yi, S. M.	156 Analysis of Statistical Wave Properties of Linear and non Linear Two-Dimensional Wave Fields Derived from Stochastic Simulations Nieto Borge, J.C. , Schulz-Stellenfleth, J. , Niedermeier, A. , Lehner, S.
	201 Development and Implement of a Spectral Finite Element Wave Model Hsu, T.-W., Liau, J.-M., Ou, S.-H., Zanke, U.C.E., Roland, A., Mewis, P.	5 Flow Visualization on a Solitary Wave Propagating over a Submerged Rectangular Dike Lin, C., Chang, S.-C., and Chang, K.-A.	

Tuesday 5th, July			
Sessions 2.1: 9.00-11.00			
Room A 1.3: Measurement of waves by radar systems (1)	Room B 7.3: Waves - structures interaction (1)	Room C 7.2: Wave propagation numerical models (1)	Room D 8: National and International networking projects
Susan Lehner	Joachim Grüne	Kyung-Duck Suh	Hans Dahlin
60 HF radar and the UK wave monitoring network, WAVENET Wyatt, L.R., Green, J.J., Moorhead, M.	279 Modeling Wave Conditions in a Shallow-Draft Harbor for Breakwater Design Briggs, M., Demirbilek, Z., Nook, K., and Donnell, B.	152 Wave Breaking Implementation into a Nonlinear Finite Element Mild Slope Model Fortes, C. J., Zózimo, A.C., Fernandes, J.L.M.	297 The role of satellite wave data in the worldwaves project Barstow, S.F., Mørk, G., Lønseth, L. and Schjølberg, P.
56 X-Band radar as a tool to determine spectral and single wave properties Reichert, K., Hessner, K., Tränkmann, I.	267 Trivariate design load characterization. Application to structural design. Martín Mª.J. , Aberturas ,P.	165 A Simplified Approach to obtain Wave Height Distributions within a Harbour. Menéndez., Kind, M.	184 On the importance of spectral wave observations in the continued development of global wave models Bidlot J.-R., Janssen P.A.E.M., Abdalla S.
126 High-Frequency Radar Observations of Surface Waves Propagating across as Western Boundary Current Haus, B. K., Shay, L. K., Wyatt L. R	123 Numerical simulation of wave groups with a VOF-type model on an impermeable slope Losada, I. J., Lara, J. L., Liu, P. L.-F	144 Internal Generation of Waves: Line Source Method Versus Source Function Method Kim, G., Lee, C. , Suh, K.-D.	54 Validation of the Met Office Global Spectral Wave Model with Buoy and Satellite Observations Li, J. G., Holt, M.
171 Wave and Current Fields Extracted from Marine Radar Images Wu, L.C., Doong, D.J., Kao, C.C., Lin, C.F.	137 Irregular wave run-up on porous structures and cobble beaches de los Santos, F.J., Kobayashi, N., Meigs, L.E.	271 Influence of Spectral Shape on Wave Period Parameters and Design Methods in Time Domain Ohle, N., Daemrich, K.-F., Tautenhain, E.	65 Development of the nationwide coastal wave information network in Mexico Montoya, R., J., M., Duarte, Q., P.
92 Development of wave directional spectrum estimation from an HF ocean radar with a single radar array Hisaki, Y	77 Viscous effects on wave shoaling over a submerged mound Orfila. A ., Wang. X.,, Simarro ,G., Liu, P. L.-F.	151 A Boussinesq Model for Wave Breaking and Runup in a Coastal Zone;1D Hirayama, K., Hiraishi, T.	99 Validation Issues for a Global Coastal Wave Forecasting System Tozer, N.P, Millard T.K. and Saulter, A.
	185 Pressure Impulse on Seawater Exchange Breakwater Lee, C., Kim, G. , Ahn, S., Suh, K.-D.	39 Wave-induced uplift forces acting on half-buried pipeline in sandy seabed Talebbeydokhti , N., Afzali, E.	

Tuesday 5th, July			
Sessions 2.2 : 11.30-13.30			
Room A 1.3: Measurement of waves by radar systems (2)	Room B 7.5: Numerical wave tanks	Room C 7.2: Wave propagation numerical models (2)	Room D 2.2: Freak waves (1)
Lucy Wyatt	Hemming Schäffer	Ángel Menéndez	Harald Krogstad
49 Swell transformation on a microtidal barred beach (Sète, France) Certain, Raphaël; Meulé, Samuel; Rey, Vincent; Pinazo, Christel	255 High-Order Spectral numerical modeling of a 3D wave basin compared to experiments. Bonnefoy, F., Le Touzé, D., Ferrant, P.	266 A rational method for design storm estimation behind shoals Aberturas, P., Martín, M.J.	217 Coupled 2D Hydrodynamic-Sediment Transport and Wave Models, Study Case for a Hurricane Event in Matagorda Ship Channel. Edge, B., Pandoe, W.
224 Comparison of direct wavenumber spectra from point gauges and radar imaging systems Donelan, M.A., Magnusson, A.K., Rosenthal, W., Lehner, S., and Krogstad, H.	263 Free-surface Lattice Boltzmann Simulation of Shallow Water in Horizontally Moving Tanks Frandsen, J.B., Tubbs, K. R., Peng, W.	215 Numerical simulation of Wave Propagation in Toulon Bay Bonet, R.P., Redondo, Jose.A.	277 Energetic Wave Groups and Growth of Extreme Waves Stansberg, C.T.
211 Integration of X-band remote-sensing and numerical modeling of waves Kleijweg, J., Van Vledder, G.Ph.	68 Development of Numerical Wave Flume by 3D MPS Method Gotoh, H., Ikari, H., Sakai, T.	328 Swan Hindcast in the Black Sea Guedes Soares, C.; Rusu, E.	274 An Analysis of the "Halloween" Storm Espinar-Cerrejon, S., Ruiz-de-Elvira, A.
120 Study of on and offshore wave fields from Synthetic Aperture Radar images Schneiderhan, T., Nieto Borge, J.C. , Schulz-Stellenfleth, J. , Niedermeier, A. , Lehner, S. , König, T.	183 Wave energy focusing in a three-dimensional numerical wave tank Grilli, S., Fochesato, C. and Dias, F.	194 The use Serre's Model for Water Waves Generated by Local Disturbance Analysis Nascimento, M.F.,Maciel, G.F.	182 Determining the 10,000 year wave conditions in a tropical cyclone region Hardy, T.A. , Mason, L.B. , Bode, L. , Astorquia, A., McConochie, J.D. and Harper, B.A.
243 Wave Height Variability over the Mediterranean Sea using Altimeter Data Queffeulou, P.	76 Viscous effects on the propagation of solitary waves in a wave tank: a numerical model Simarro, G., Orfila, A., Liu, P. L.-F.	216 Verification and Improvement of a Spectral Finite Element Wave Model Roland, A., Zanke, U.C.E., Mewis, P., Ou, S.H., Hsu, T.W., Liau, J.M.	8 Sample Distribution of Storm-Type Separated Return Wave Height on the Northwestern Pacific Ocean Nonaka, H., Yamaguchi, M., Hatada, Y., Ohfuku, M.
210 A parametric scheme for the retrieval of 2-D ocean wave spectra from synthetic aperture radar look cross spectra Schulz-Stellenfleth, J. , Nieto-Borge, J.C.	75 A Comparative Study of Major Random Wave Separation Methods Applied to Boussinesq-type Numerical Wave Flumes Subramaniam, N., Li, F. F., Ingram, D.M., Mingham, C.G.	178 BBB Formula Revisited: Incorporate Pressure Gradient into Energetics Models Zhao, Q. and Kirby, J. T.	47 Observation and analysis of extreme waves in the North-Eastern part of the Black Sea Divinsky, B.

Tuesday 5th, July			
Sessions 2.3: 15.00-16.20			
Room A 1.4: Waves analysis methods (1)	Room B 7.1: Numerical prediction of waves (1)	Room C 3.3: Long waves models	Room D 2.2 Freak waves (2)
Luc Hamm	Dong-Young Lee	Peter Frigaard	E. Pelinovsky
169 Comparative Analysis of Wave Transformation at Structures in Shallow Water Using FFT, Wavelet and Hilbert-Huang-Transform Bruehl, M., Oumeraci, H.	97 High Resolution Wind-Wave Modeling in NW Mediterranean Cateura, J., Bolaños, R., Sánchez-Arcilla, A.	82 Application of a Two-Dimensional, Depth-Integrated Tidal Flow Model to a River and Estuarine System Bacopoulos, P. and Hagen, S.C.	253 Wind-Waves During the Rare South Atlantic Cyclone Catarina, March 2004 Alves, J.H.G.M.
286 Measurement and Analysis of Multidirectional Waves Using Free Surface Slopes Cornett, A., Miles, M., Mansard, E., Pelletier, D.	57 A wave forecasting system developed for the Spanish harbors Gómez Lahoz, M., Carretero Albiach, J.C.	113 Towards an Integrable Short and Long Wave Model for Tidal Hydrodynamics Funakoshi, Y., Hagen, S.C.	16 Breaking of Positive and Negative Solitary Waves Lawrence, A., Kobayashi, N..
91 Phase-resolving analysis of short-crested wave fields and application to wave forces on a ship De Jong, M.P.C., Weiler, O.M., Borsboom, M.J.A., Van Dongeren, A.R.	62 Wave Forecasting System For Seas Off Japan Tom, T., Ogawa, K., Mase, H	84 A 2-D Model of Tide and Freshwater Flow Interaction for the Winyah Bay, Waccamaw River, and Atlantic Intracoastal Waterway Hagen, S.C., Bacopoulos, P., Salisbury, M.B., and Murray, R.R.	154 Extreme wave statistics from radar data sets Lehner, S., Günther, H.., Rosenthal, W.
233 On the Estimation of Directional Spreading from a Single Wave Staff Taylor, P.H., Walker, D.A.G. and Eatock Taylor, R.	31 Wave data assimilation scheme with measurement forecast Sannasiraj, S.A., Babovic, V.	40 Formation of Secondary Waves Saprykina Ia. , Kuznetsov S.	41 The Mechanism of Formation of Extreme Waves on Black Sea Kuznetsov, S ., Saprykina, Ia., Kosyan, R. and Pushkarev, O.

Tuesday 5th, July			
Sessions 2.4: 16.40-18.00			
Room A 1.4: Waves analysis methods (2)	Room B 7.1: Numerical prediction of waves (2)	Room C 3.4: Tsunamis	Room D 2.1: Wave description models (1)
Van Vledder	Roop Lalbeharry	Derek Goring	
205 Application of Orthogonal Polynomials for the Distribution of Wave Heights in Finite Water Depth Ahn, K., Ochi, M.K.	116 Improvements in Prediction for Spectral Wave Forecast Models Through Increased Resolution in Frequency and Direction. Fullerton, G.H. , Holt, M.W.	95 Study of Tsunami Mitigation Using a 3D SPH Method Gómez-Gesteira, M., Crespo, A.J. C. & Dalrymple, R.A.	257 On The Reflection Of Non-Linear Random Wave Groups With High Crests Arena, F., Romolo, A.
150 Approaches, methods and some results of wind wave climate investigations Lopatoukhin L., Boukhanovsky A.L.	240 The Role of Atmospheric Stability in Wind Wave Prediction: a Practical Application in the Bay of Seine (France) Hamm, L., Jones, D., Gorjux, B.	143 Tsunami landslide generation: modelling and experiments Enet, F., Grilli, S.	232 Models for Interfacial Capillarity-Gravity Waves in the Long-Wave Limit Kalisch, H.
	280 Hindcasts of the Wave Conditions in Approaches to Ports Rusu,L., Pilar,P., and Guedes Soares,C.	326 The Numerical Model of the Early Tsunami Warning Zaytsev, A., Korolev, Yu.	12 Statistics of Nonlinear Wave Groups Tayfun, M. A.
	135 Small Scale Wave Climate Prediction Silva, R., Mendoza, E, Perez, D.	315 A Tsunami Warning System for the Use of Emergency Management Officials Lee, Jung L.	

Wednesday 6th, July. 9:00 to 10:00.

Keynote 2:

Analysis of Wave Measurements - Methods and Recent Developments

Prof. Harald E. Krogstad - NTNU - NORWAY

Wednesday 6th, July.		
Sessions 3.1: 10.00-11.00		
Room A 1.5: Networks and waves data banks (1)	Room C 9.2: Ind. Ocean Tsunami modeling	Room D 2.2: Freak waves (3)
Carl Stanberg	David Kriebel	Sergey Kuznetsov
72 Real time buoy data quality control and exploitation Alfonso, M., López, J.D., Álvarez, E., Ruiz, M.I.	321 Application of Lagrangian description to the modeling of tsunami Sulisz, W., Chybick, W.	181 Waves measurements in the ocean limit of the River Plate estuary Anschütz G.
73 Real time monitoring of Spanish coastal waters: the Deep Water Network. Alvarez Fanjul, E.; Alfonso, M.; Ruiz, M.I.; López, J.D.; Rodríguez, I.	313 Numerical Simulations of the 12/26/04 Indian Ocean Tsunami using a Higher-order Spherical Coordinate Boussinesq model Watts, P., Kirby, J., Ioualalen, M., Grilli, S.	288 Freak Edge Waves Pelinovsky, E., Lechuga, A., Kurkin, A., Poloukhina, O., Dubinina V.
106 Extreme Wave Conditions In A Torrential Climate. The Catalan Case Gómez Aguar, J; Espino, M; Sánchez-Arcilla, A; Solano, M; Vela, J; Herreras, L.	330 Development and implementation of a tsunami wave propagation model at JRC Annunziato, A.	

	Wednesday 6th, July.			
	Sessions 3.2: 11.30-13.30			
Room A 1.5: Networks and waves data banks (2)	Room B 7.2: Wave propagation numerical models (3)	Room C 3.2: Seiches. resonances and harbour oscillations	Room D 2.1: Wave description models (2)	Room E 9.1: Ind. Ocean Tsunami: Data and observed effects
Tomás Echegoyen		Jang Won Chae	Michel Benoit	Leonid Lopatoukhin
96 Spectral Wave Climate at Northern Spain's Mediterranean Coast Bolaños, R., Rotés, A., Sánchez-Arcilla, A.	117 An optimized solution method for the elliptic mild-slope equation Grassa, José M.	110 Simulation of Long Wave Agitation in Ports and Harbours using a Time-Domain Boussinesq Model Kofoed-Hansen, H., Kerper, D.R.., Sørensen, O.R., Kirkegaard, J.	258 Estimation of Incident and Reflected Waves using Local and Global Methods Figueres, M., Medina, J.R.	325 Manifestation of the Indian Ocean Tsunami of December 26, 2004 in the near source zone and its numerical modeling Korolev, Yu., Kaistrenko, V. , Zaytsev, A., Razjigaeva, N., Polukhin, N., Yalciner, A., Ersoy, S., Perincek, D. , Prasetia, G., Hidayat, R.
212 Requirements for field measurements to improve wave modelling in shallow water Groeneweg, J., Van Vledder, G.Ph., Hordijk, D.	109 A Convolution Method for Nonlinear Dispersive Wave Transformation over a Mild-Slope 1-D Bottom Schäffer, H.	86 Optimization of an Unstructured Finite Element Mesh for Tide and Storm Surge Modeling Applications in the Western North Atlantic Ocean Kojima, S. and Hagen, S.C.	174 Blocking of periodic and random waves Suastika, I.K., Battjes J.A.	292 Modeling of two global tsunamis in the Indian Ocean (1883 Krakatau eruption and 2004 Sumatra earthquake) Pelinovsky, E., Choi, B.., Zaitsev, A ., Didenkulova, I.
247 Reconstruction of significant wave height time series using neural networks Medina, J.R. and Serrano-Hidalgo, O.	134 Wave Sediment Interaction on a Muddy Shelf Sheremet, A . and Kaihatu, J. M.	27 Forecasting Infragravity Wave Energy within a Harbour McComb, P., Gorman, R., Goring, D. G.	157 On the shape of nonlinear wave trains Toffoli,A, Magnusson, A.K., Bitner-Gregersen, E., Monbaliu, J, Babanin, A., Dumon, G	322 Post Tsunami studies along Tamilnadu coast, India Sannasiraj, S.A.,and Sundar, V.
148 Proyecto Olas Chile "The Development of a Reliable Long Term Wave Climate for the Entire Chilean Coastline" Pantoja, C., Nicolau del Roure, F., and Scott, D.	83 Recent developments in WAVEWATCH III at NCEP Tolman, Hendrik L.	11 A Rissaga Nowcasting System Goring, D. G.	213 The triplet method for the computation of nonlinear four-wave interactions in discrete spectral wave models Van Vledder, G.Ph.	295 An assessment on the impact of tsunami along the Southwest coast of India; Hydrography and related biological features Satheesh, S.P., Arun, P.K., Abhilash, K.S.,Praseeda K.C. and Revichandran, C.
37 Storms on the Cantabrian coast: correlation between wave heights and relationship between wave periods Sotillo M.	121 Evaluation of a Deep-Water Source Term Balance in SWAN Featuring Local Saturation-Based Dissipation Van der Westhuysen, A. J., Zijlema, M., Battjes, J. A.	167 Evaluation of Seiche regimes in Ciutadella Cove, Menorca (Spain) Agudelo, P., Marcos M., Lomonaco, P., Monserrat, S., Medina, R.	189 Nonlinearity of sea waves by Hilbert Huang Transform Method Veltcheva, A. D., Pascoal, R. Guedes Soares C.	319 Field Survey of the Indian Ocean Tsunami on Sri Lanka's South Coast Synolakis Costas E. , Fritz Hermann M., Titov Vasily V.
9 Intercomparison of Long-Term Wave Data Estimated on the Sea Area around Japan Hatada, Y., Yamaguchi, M., Ohfuku, M., Nonaka, H.	22 Development of a Virtual Wave Buoy for the Port of Cape Town, South Africa Rossouw, M., Luger, S., Patel, SR., Kuipers, J.	246 Sheltring of long period waves to a rectangular harbor by a resonator Nakamura, T.	142 A Pseudo-spectral Method for Surface Waves in Water of Variable Depth Choi, W.	

Wednesday 6th, July
Plenary session 15:00-16.20
Room E Indian Ocean Tsunami plenary session (1)
ASCE/COPRI Post-Tsunami Assessments
Chaired by: Robert A. Dalrymple

In this session, the findings of the American Society of Civil Engineers' (ASCE's) Coastal Ocean Port and River Institute (COPRI) sponsored trip to Tsunami ravaged areas will be presented.

The purpose of the COPRI trip was to observe damages to coastal areas and port facilities in Thailand, Sri Lanka and India. The Post - Tsunami assessment trips, were conducted by three teams comprised as follows:

Thailand: David Kriebel and Robert A. Dalrymple
India: Martin Eskijian and David Ames
Sri Lanka: John Headland and Peter Yin

The session will start with the presentation of the 2005 International Coastal Engineering Award by ASCE.

Wednesday 6th, July.
Session 3.3 16.50-18.10
Room E Indian Ocean Tsunami plenary session (2)
Chaired by: Phillip L. Liu
305 Tsunami Effects on the Coast of Thailand: Engineering Lessons Kriebel, David.L. and Dalrymple, Robert.A.
318 An Overview of the ITST Expedition to Sri Lanka Yamada, Fumihiko; Fernandez, H.; Goff, J; Higman, B.; Jaffe, B.
314 The December 26, 2004, Indian Ocean Tsunamis: A Reconnaissance Survey Report for the South-East Indian Coast Yeh, Harry, Peterson, C., Chadha, R.K., Latha, G., Katada, T.
320 Field Survey of the Indian Ocean Tsunami in the Maldives Fritz Hermann M. , Synolakis Costas E.

Thursday 7th, July			
Sessions 4.1: 9.00-11.00			
Room A 2.1: Wave description methods (3) Carlos Guedes Soares	Room B 7.2: Wave propagation numerical models (4) Ignacio Rodríguez	Room C 4.2: Transport and hydrodynamics in shallow water zones Agustín S. Arcilla	Room D 4.4: Wave effects on structures Miguel Losada
89 Two-Phase Behaviour of the Spectral Dissipation of Wind Waves Babanin, A.V., Young, I.R	26 Evaluation of the SWAN wave model in slanting fetch conditions Bottema, Marcel., van Vledder, Gerbrant.Ph.	208 Vessel Wake Study: Arthur Kill Channel, New York, USA Alfageme, S., Smith, E., Headland, J.	261 Modification of the Nearshore Hydrodynamic Conditions by a Natural Submerged Breakwater: Northern Crete Ghionis, G., Poulos, S.E., Plomaritis, T.A., Collins, M.B.
81 Evaluation of Methods to compute the non-linear Quadruplet Interactions for deep-water Wave Spectra. Benoit, M.	52 Validation of a coupling BIEM-Navier-Stokes model for the simulation of solitary wave shoaling and breaking Drevard D., Marcer R., Fraunié P., Rey V., Grilli S.	209 Singular spectrum analysis of storm surge events: the Adriatic Sea case. Beltrami Campagnani G. M., Briganti R.	259 Wavelet analysis of pressure measurements near a coastal structure Piedra-Cueva, I., Michallet, H. Mory, M.
118 A new breaking wave parametrization for Boussinesq type equations Cienfuegos, R., Barthélemy, E., Bonneton, P.	61 A Wave Propagation Hyperbolic Model Solved by a Finite Characteristics Numerical Technique Matsoukis, P.F.C,	119 Studies on water and suspended sediment transport at the Venice Lagoon inlets. Zaggia, L., Costa, F., Mazzoldi A., Ferla M.	163 Large-Scale Model Study on Cylinder Groups Subject to Breaking and Nonbreaking Waves Sparboom,U., Oumeraci,H., Schmidt-Koppenhagen,R., Grüne,J.
103 A second order Lagrangian model for irrotational irregular waves Fouques, S., Krogstad, H.E., Myrhaug, D.	74 An Operational Tool for Wave Regime Characterization and Propagation. Application to the Port of Sines Pinheiro, L.; Fortes, C. J.; Neves, M.G.; Santos, J. A.	329 Hydrodynamics of a moored LNG carrier behind a detached breakwater Wuisman, W.K. and Van der Molen, W.	204 Wave Interaction with Porous Buoy and Porous Membrane Wave Barriers. Kee, S.T.
25 Nearshore Modeling using High-Order Boussinesq Equations Lynett, P	18 Post Prestige Developments for the Wave Modeling Techniques in the Coastal Environment of Portugal Rusu, E., Soares, C.V.	88 Low frequency free waves induced by a mega-float in random sea Kimura, A and Fujii, H	220 Methods of Estimating Dynamic Wave Forces on Floating Structures. Mets, T.
87 Second Order High and Low Frequency Waves in Numerical Simulations Kato, H., Nobuoka, H.	265 Capabability of different Boussinesq approximations to reproduce wave agitation and second order bounded long wave in real situation. Comparison with measured data García-Mañes, M., Navarro-Saez, A., Benito-Guinea, C., Martín-Soldevilla, MªJ		289 Numerical Simulation of Solitary Wave Interaction with Porous Breakwaters Karunarathna S.

Thursday 7th, July			
Sessions 4.2: 11.30-13.30			
Room A 2.1: Wave description methods (4)	Room B 7.2: Wave propagation numerical models (5)	Room C 5.2: Wave effects in shallow waters	Room D 5.1: Coastal damages produced by waves
Jurgen Battjes	Mª Jesús Martin S.	Antonio Lechuga	Carlos Peña
64 Dispersing the Myth of Spectral Bandwidth Parameter in Control of Wave Height Distribution Goda, Y	111 Influence of foreshore mobility on wave boundary conditions Giarrusso, C.C.,Van Gent, M.R.A.	100 Experimental Study On Turbulence Generated by Regular Waves Breaking De Serio, F., Mossa, M.	222 Coastal floodibility Diez, J., Fernández, P.
24 Chaotic analyses of weakly damped parametrically excited cross waves with surface tension Hudspeth, R.T.,Guenther, R.B.and Fadel, S.	193 Simulation of Flexible Vegetation Motion Induced by Water Waves Lima, S. F., Vasco, J. R. G., Neves, C. F., Maciel, G. F., Rosauro, N. M.	140 Modelling of Wave-Driven Sediment Transport in the Shoaling Zone Gilbert, R.W., Grilli, S.T., Zedler, E.A. and Street, R.L.	136 Quadtree meshes for storm surge forecasting Bautista, G. Silva, R.
252 An empirical model for ship-generated waves Kriebel, D and Seelig, W	281 The effect of grid size on the sheltering effect of islands in ocean wave models Ponce de León Á, S. and Guedes Soares, C.	327 Wave energy dissipation of waves breaking on a reef with a steep front slope Jensen, M.S., Burcharth, H.F., Brorsen, M.	48 Analysis of Coastal Flood Caused by Typhoon 0314(Maemi) and its Catastrophic Damages on a New Harbor Contruction Site Chae, J.W., Jeon, K.C., Lee, S.H., Jeong, W.M., So, J.G.
262 Modeling Long Term Bivariate Distribution of Wave Height, Period and Direction Rodríguez, G.,Vega, J.L., González, J., Pacheco, M,	179 Modelling of undertow profiles at beaches Tomasicchio, G.R., D'Alessandro, F., Aristodemo, F.	254 Verification of Prediction Models for Undertow Profile in the Surf Zone Luck, M., Benoit, M.	78 Discussions on the exceptional tide level in the Venice lagoon in November 2002 Ferla M., Castagna M., Cordella M., Umgiesser G.
98 Storm Data Analysis for Risk Assessment of Rubble-mound Structures Sousa, I. A.; Pinheiro, L.; Santos, J. A.; Capitão, R.	241 Random Wave Transformation Model on Accumulation and Decomposition of Organic Sediment Analysis in Shallow Waters Achiari, H., Sasaki, J.	278 Modeling Wave Climate and Littoral Transport at Virginia Beach, VA Thompson, E., Briggs, M., Painter, D. , Smith, J.	195 Depth-Averaged Numerical Model of Flood Inundation Flow Using CIP And SMAC Methods Kawasaki, K., Nakatsuji, K.
		129 An experimental investigation of the hydrodynamic circulation in the presence of submerged breakwaters Lorenzoni, C., Piattella, A., Soldini, L., Mancinelli, A., Brocchini, M.	85 The Significance of Tidal Inlets on Open Coast Storm Surge Hydrographs for the East Coast of Florida Salisbury, M.B. and Hagen, S.C.

Poster session		
Monday 4th, July.	**Tuesday 5th, July.**	**Wednesday 6th, July.**
1: Wave measurement and analysis	7: Numerical wave models	Indian Ocean Tsunami special session
13 Oceano-Meteorological Stations In Harbours Of The Basque Country Caballero, A.	192 Hindcasting of Stormy Waves Caused by Typhoon MAEMI Based on WAM Model Shin, S.	200 A Coastal Ocean Prediction System Applied to Cabo Frio Innocentini, V.
139 Neural Network Based Validation of Wave Data Van Der Zijpp, N.	28 Numerical Modeling of Nearshore Wave-Current Interactions Based on Quadtree Grid System Park, K.	294 Detection of Tsunami Waves by SeaSonde HF Radar Barrick, D.
229 Italian sea wave measurement network RON Nardone, G.	50 Wave Spectrum Assimilation into Numerical Wave Prediction Models: ENVIWAVE Project Morales, G.	203 Interactive Internet Shallow Water Wave Information System in Korea Jun, K.
269 Development and Application of Validated Geophysical Ocean Wave Products from ENVISAT ASAR and RA-2 Instruments Johnsen, H.	251 Influence of variable Froude number on waves generated by ships in shallow water Torsvik, T.	312 MeTAS – Mediterranean Tsunami Alert System Bencivenga, M.
4: Shallow water waves		2: Theoretical wave description models
30 A Proposed Model for Breaking Waves by Waves - A New Concept Deif, A.	282 Wave propagation over a submarine canyon: Model-Data comparison Magne, R.	124 Wave Simulation Of Hurricanes Using Blended Winds From A Parametric Hurricane Wind Model And The CMC Weather Prediction Model. Lalbeharry, R.
53 An experimental investigation of the wave growth in a wind flow Ivanova, I.	107 Linear and Non-linear Wave Model Performance Evaluated with Ponta Delgada||Harbour Physical Model Data Mil-Homens, J.	8: National and International networking projects
162 Hydrodynamic modeling in shallow water with variable friction coefficient Piattella, A.		138 Design Methodology of a Natural Slope Protection Under Wave Attack Loschacoff, C.
324 Soft Shore Protection in Swiss Lakes: Physical Modeling and In-Situ Measurements Müller, B.		