

## COASTAL DYNAMICS 2005 - PROCEEDINGS

Num	TITLE	AUTHORS
002	Investigation of beach profile variability at different scales using a wavelet technique	Li, Y., Lark, M., Reeve, D.E.
004	A simple numerical model of the coastal wave and current boundary layer structure	Shi, Z., Lu, L.F., Wu, Y.S.
005	Prediction of long term morphological changes in response to a tideland reclamation	Sterlini, P., Chesher, T., Eo, Daesu
006	PIV analysis of filtered radar images to derive nearshore wave properties and bathymetry at Hazaki, Japan	Ahmed, A.S.M., Takewaka, S.
014	Sediment re-suspension and cross-shore cycling in nearshore environments	Kularatne, S.R., Pattiaratchi, C.B.
017	Effects of wave groupiness on dune erosion	van Thiel de Vries, J.S.M., van de Graaff, J., Reniers, A.J.H.M., Stive, M.J.F.
018	Field measurements on sediment transport near the shoreline under developed long period waves during a storm	Kuriyama, Y., Shin, S.H., Ueoka, S.
019	A numerical study of coarse-grained beach dynamics	Pedrozo-Acuña, A., Simmonds, D.J., Otta, A.K., Chadwick, A.J.
020	Reflection of obliquely incident waves at low-crested structures	Wang, B., van der Meer, J.W., Otta, A.K., Chadwick, A.J.
022	Field observations of instantaneous water slopes in the swash zone	Baldock, T., Hughes, M.
026	Long-term evolution of offshore sandbank morphology. Case study: Great Yarmouth sandbanks, U.K.	Horrillo-Caraballo, J.M., Reeve, D.E.
027	Scour of mixed beaches near a sea wall: cross shore morphodynamic modelling and measurements	Lawrence, J., Chadwick, A.
029	General Methodology with inlet reservoir model analysis for sand management near tidal inlets	Dabees, M.A., Kraus, N.C.
031	Field observation of shoreline erosion during a storm	Mizuguchi, M.
032	Comprehensive comparisons of a two-phase flow model with a wide range of conditions	Liu, H., Sato, S.
033	Morphodynamic mobility of intertidal bars on macrotidal "ridge and runnel" beach, Dunkerque-Est, Côte d'Opale, Northern France	Reichmüth, B., Anthony, E.J.
035	Depth of sand activation on protected and non-protected nourishment beaches: a laboratory study in a large-scale wave flume	Ciavola, P., Nadalini, F., Ardone, V.
036	Breaker turbulence and sediment resuspension in the swash zone of gently sloping beaches	Aagaard, T., Hughes, M.
037	The role of longshore currents in intertidal bar mobility on a macrotidal beach under high-energy wave conditions, Dune d'Amont, Wissant Bay, Northern France	Sedrati, M., Anthony, E.J.
038	Morphodynamics of trenches and pits under the influence of currents and waves: analytical and numerical modelling	Ribberink, J.S., Roos, P.C., Hulscher, S.J.M.H.
040	Bed-load transport under steady and oscillatory flow	Camenen, B., Larson, M.
041	Computation of setup and longshore currents by directional spectral waves	Goda, Y.
042	Infiltration and exfiltration in the swash zone of a streep gravel beach. Implications for morphological change	Austin, M., Masselink, G.
044	Velocity skewness in the swash zone of a reflective and dissipative beach. Implications for sediment transport	Masselink, G., Russell, P.
047	Hydrodynamic and morphological evolution in the estuary of river Eume (Galicia, Spain)	López, F., Peña, E., Sopolana, J., Puertas, J.
049	Simulation of wave overtopping seawall by SPH model	Shao, S., Reeve, D., Chadwick, A., James, P., Graham, D.
050	Measuring cross-shore sediment transport on mixed shingle beaches using GPS survey techniques	Watt, T., Dornbusch, U., Moses, C., Robinson, D.
051	Longshore transport on the Maresme coast (Barcelona)	Guanche, R., González, M., Medina, R.
053	Numerical modeling of beach profile change caused by overwash	Donnelly, C., Ranasinghe, R., Larson, M.
055	Determination and impact of the characteristic wave period in wave energy dissipation in the surf zone	Sénéchal, N., Bonneton, P., Dupuis, H., Rey, V.
056	The role of flow acceleration on the threshold of motion of coarse particles	Stive, M.J.F., Reniers, A.J.H.M., Verhagen, H.J.
058	The quantification of parameter-induced predictive uncertainty in nearshore process models	Ruessink, B.G.
059	2D experimental modeling of hydrodynamic effects of submerged breakwaters	Cox, R.J., Tajziehchi, M.
060	Morphodynamics of bars on the ebb delta of a megatidal estuary (Normandy, France)	Robin, N., Levoy, F.
064	An hydrodynamic field experiment in the Iroise Sea, Porsmilin and Blancs Sablons study beaches	Dehouck, A., Dupuis, H., Amis, G.
065	Intertidal sand waves on a mixed sediment beach: are they effective wave energy dissipators?	Adams, P., Ruggiero, P.
066	Numerical modelling of potential climate-change impacts on rates of soft-cliff recession, northeast Norfolk, UK	Dickson, M., Walkden, M., Hall, J., Pearson, S., Rees, J.
069	Measurement of groundwater and swash interactions on a sandy beach	Robinson, C., Baldock, T.E., Horn, D.P., Gibbes, B., Hughes, M.G., Nielsen, P., Li, L.
070	2D-V hydrodynamics of double floating breakwater	Koftis, Th., Prinos, P.
072	The effect of the wave period on dune erosion	de Vroeg, H., den Heijer, K., van de Graaff, J., Coeveld, M., Steetzel, H.
073	The dynamics of tidal flat geo-environments in an estuary	Sassa, S., Watabe, Y.
074	Equilibrium beach profile for refraction-diffraction areas	Requejo, S., Medina, R., González, E.M.
076	Sediment transport numerical modelling at the swash zone	Alsina, J.M., Baldock, T.E., Hughes, M.G.,

		Weir, F., Sierra, J.P.
086	Bathymetric survey around a seawall on a barred profile (Rhône delta, Mediterranean Sea, France)	Samat, O., Sabatier, F., Lambert, A.
090	Analytical modeling of dune response due to wave impact and overwash	Larson, M., Donnelly, C., Hanson, H.
091	Small-scale bedforms and hydraulic roughness on a sandy shoreface	Kleinhans, M.G., Grasmeyer, B.T., Dolphin, T.
092	Determination of sediment transport paths on a macrotidal shoreface: comparison of the "Gao and Collins" method with near-bed current measurements	Héquette, A., Hemdane, Y., Anthony, E.J.
095	Nearshore bar response to time varying conditions	Smit, M.W.J., Reniers, A.J.H.M., Stive, M.J.F.
097	Sediment availability and conceptual models of sand bars morphodynamics for a microtidal beach (Sète, France)	Certain, R., Barousseau, J.-P.
098	Measurements of shallow water breaking wave rollers	Haller, M.C., Catalán, P.
102	Investigating shoreface-lithology effects in a process-based model of coastline change	Valvo, L.M., Murray, A.B., Ashton, A.
104	Berm development and lagoon closure on a gently sloping beach	Weir, F.M., Baldock, T.E., Hughes, M.G.
105	Nonlinear phase speeds and depth inversion	Catalán, P.A., Haller, M.C.
106	Vertical profile of radiation stresses for 3D nearshore currents model	Nobuoka, H., Roelvink, J.A., Reniers, A.J.H.M., Mimura, N.
107	Rip-currents, cusped shorelines and eroding dunes	Thornton, E.B., Sallenger Jr., A.H., MacMahan, J., Reniers, A., Symonds, G.
109	Statistical description of swash motion on a beach during cusp formation	Gorman, R.M., Coco, G.
110	Breakwater morphological modelling: predicting equilibrium morphologies using entropy based techniques	Nield, J.M., Walker, D.J., Lambert, M.F.
113	Modeling shoreline erosion and channel migration in a highly dynamic bay entrance: Willapa Bay, WA	Gelfenbaum, G., Lesser, G., Kaminsky, G., Landerman, L.
121	Seasonal effects and the impact of beach morphology on the variability of water line positions	Kroon, A., Spanhoff, R., Aarninkhof, S.
122	Morphodynamic evolution and sediment distribution pattern of a near-coastal dumping site in Belgium	Deleu, S., Van Lancker, V., Francken, F.
124	Predicting overwashing and breaching on U.K. coarse-clastic barrier beaches	Cope, S.N.
127	Large scale coastline dynamics and sand waves	Falqués, A., Calvete, D.
128	Hydrodynamics and bedload transport during a tidal cycle on the Kwinte bank (southern North Sea) from coupled ADCP and side-scan sonar measurements	Garel, E., Manso, F., Collins, M.B.
130	Broad-scale analysis of morphological and climate impacts on coastal flood risk	Hall, J., Dawson, R., Walkden, M., Nicholls, R., Brown, I., Watkinson, A.
132	Large-scale correlation of the surficial sediments, morphology, hydrodynamic regime and sediment transport patterns on the Kwinte Bank, a tidal sandbank on the Belgian shelf	Bellec, V., Van Lancker, V., Van den Eynde, D., Fettweis, M., Degrendele, K., Roche, M., Schotte, P.
133	Waves and grain-size effects on the morphodynamic evolution of the Teign estuary (UK)	Bernardes, M.E.C., Davidson, M.A., Huntley, D.A., Dyer, K.R., George, K.J.
136	Short term variability of reef protected beach profiles: an analysis using EOF	Muñoz-Pérez, J.J., Medina, R.
137	Shoreface nourishment as a natural laboratory	Spanhoff, R., Kroon, A., de Keijzer, S.
140	The physical recovery of a former dumping site of dredged material in a dynamic coastal environment	Du Four, I., Van Lancker, V., Deleu, S., Darras, I.
141	A GIS tool for analysis and interpretation of coastal erosion model outputs	Koukoulas, S., Nicholls, R.J., Dickson, M.E., Walkden, M.J., Hall, J.W., Pearson, S.G.
143	Modeling turbulent mixing in the sea wave bottom boundary layer	Absi, R.
144	Predicting the response of gravel barrier beaches under extreme wave and water level conditions in Southern England	Bradbury, A.P., Cope, S.N., Prouty, D.
145	A simple model of oscillatory sheet-flow for graded sands	Malarkey, J., Davies, A.G.
146	Turbulence in the surf zone using two Acoustic Doppler Velocimeters	Raynaud, O., Dupuis, H., Hurther, D., Bonneton, P., Sénéchal, N., Chapalain, G.
148	PIV measurements of velocities over full-scale ripples in oscillatory flow	O'Donoghue, T., Doucette, J.S., van der Werf, J.J., Ribberink, J.S.
149	Bar changes due to storm events using ARGUS: Lido di Dante, Italy	Armaroli, C., Balouin, Y., Ciavola, P., Zanella, M.
150	Sediment transport pattern and coastal evolution at Lido di Dante beach, Adriatic Sea	Balouin, Y., Ciavola, P., Armaroli, C.
151	Suspended sediment dynamics over full-scale ripples in oscillatory flow	van der Werf, J.J., Ribberink, J.S., Doucette, J.S., O'Donoghue, T., Vincent, C.E.
152	Effects of different wave conditions on SPM distribution patterns in highly variable tidal environments	Moghimi, S., Gayer, G., Guenther, H., Shafieefar, M.
154	The effect of stratification on the near-field flow and transports in a mixed-energy tide-dominated inlet	Elias, E.P.L., Stive, M.J.F.
155	Separating bedforms of different scales in MBES data	Lindenbergh, R.
156	Suspended matter and particle size in the high turbidity zone of the Belgian coastal area during a gale	Francken, F., Fettweis, M., Van den Eynde, D.
157	Application of a morphodynamic modelling system to an idealized inlet	Zózimo, A.C., Oliveira, A., Fortes, C.J.E.M., Fortunato, A.B.
159	A model for breach erosion in clay-dikes	Zhu, Y.-H., Visser, P.J., Vrijling, J.K.
160	Measured and predicted suspended sand transport and the effect of bedforms on a sandy shoreface	Grasmeyer, B., Kleinhans, M., Dolphin, T., Vincent, C.
162	Coastal dynamics around a submerged barrier	Cáceres, I., Alsina, J.M., González, D., Sánchez-Arcilla, A., Sierra, J.P.

163	Observed suspended sediment profiles under the effect of single and double peaked wave spectra	Delgado Blanco, M.R., Olabarrieta Lizaso, M., Giardino, A., Banasiak, R., Monbaliu, J.
164	An evolutionary computation approach to sediment transport modelling	Kizhisseri, A.S., Simmonds, D., Rafiq, Y., Borthwick, M.
165	Evolution of climatic forcing and potentially eroding events on the coast of Northern France	Chaverot, S., Héquette, A., Cohen, O.
167	The influence of coastal slopes on sandbank morphodynamics	Jones, O.P., Simons, R.R., Harris, J.M.
170	Modeling nearshore morphological evolution at seasonal scale	Walstra, D.-J., Ruggiero, P., Lesser, G., Hanes, D., Gelfenbaum, G.
171	Modeling of long-term morphodynamic behavior of sandbanks	van Rijn, L., Walstra, D.-J., Tonnon, P.-K., Boers, M.
172	Sensitivity of nearshore oblique bar modelling to the description of waves and sediment transport	Ribas, F., de Swart, H.E., Calvete, D., Falqués, A.
173	Modelling of sand transport with graded sands under oscillatory sheet-flows	Hassan, W.N., Ribberink, J.S.
175	The identify of suspended particles in the coastal water: A multidisciplinary approach	Huang, Y.-W., Liu, J.T.
176	Spring and neap controls on the relationship between nearshore current and suspended particles. Implication on the benthic boundary dynamics	Li, C.-N., Liu, J.T.
180	Morphologic prediction from coupled grain-scale and equilibrium-scale models	Plant, N.G., Calantoni, J.
181	Sand transport by waves above rippled beds: Comparison of a 2DHV sand transport model with experiments	Magar, V., Davies, A.G., Malarkey, J.
184	Generation and nonlinear evolution of nearshore oblique sand bars	Garnier, R., Calvete, D., Caballeria, M., Falqués, A.
185	Morphodynamics of beachrock infected beaches: Vatera Beach, Northeastern Mediterranean	Vousdoukas, M., Velegrakis, A.F., Karambas, Th., Valais, G., Zarkogiannis, S.
189	The effect of wave action on gravity currents	Robinson, T.O., Simons, R.R., Eames, I.
194	The Columbia River Estuary: sediment source or sediment sink? Process-based modeling of sand transport and morphological change at a dynamic river mouth	Lesser, G., Gelfenbaum, G., Moritz, R., Kaminsky, G.
195	Lattice Boltzmann numerical simulation of wave-current interaction inside the wave boundary layer	Cappietti, L.
196	The role of sediment stratification in cross-shore sediment transport under waves	Conley, D.C.
197	Laboratory comparison of the Nortek Vectrino and SonTek MicroADV	Lohrmann, A., Maddux, T.B., Cox, D.T., Malzone, C.
198	Factors controlling tidal flat response to sea level rise	Shaw, A.L., Houser, C., Hill, P.R., Lintern, D.G., Costa, M.
200	Integrating field research, modeling and remote sensing to quantify morphodynamics in a high-energy coastal setting, Ocean Beach, San Francisco, California	Barnard, P.L., Hanes, D.M.
202	Barrier and delta simulations using a one-line model coupled with overwash	Ashton, A., Murray, A.B.
203	Effects of high-energy events on rocky shorelines: history of megaclast emplacement and transport on a shore platform, Oahu, Hawaii	Noormets, R., Crook, K.A.W., Felton, E.A.
205	Shoreface nourishments: Humps or bars?	Roelvink, D., Reniers, A., Walstra, D.-J., van Ormondt, M.
206	Overtopping, swash, bores, breakers and waves	Peregrine, D.H.
212	Process-based morphological modeling of a restored barrier island: Whiskey Island, Louisiana, USA	Alfageme, S., Cañizares, R.
215	Simulation of wave transformation on muddy coasts	Oveisy, A., Soltanpour, M.
218	Observed storm surge morphodynamics and implications to numerical modelling schemes	Winter, C., Noormets, R., Ernsten, V., Riethmüller, R.
221	The balance between wave and river forces on inlet morphodynamics	Siegle, E., Schettini, C.A., Klein, A.H.F.
222	Shoreline variability of Barcelona city beaches in response to storms and artificial nourishment (2001-2003)	Ojeda, E., Guillén, J.
226	Interactions of large-scale groyne and tidal inlet migration	Ladage, F., Stephan, H.-J., Niemeyer, H.-D.
228	An optical system for monitoring seabed evolutions at a coastal structure	Michallet, H., Barbier-Neyret, J.-P., Mory, M., Piedra-Cueva, I.
229	Morphodynamic evolution analysis of beaches adjacent to L'Hospitalet marina after a nourishment project	Galofré, J., Medina, R., González, M.
230	Spectral model based on Boussinesq equations	Veeramony, J., Kaihatu, J.M.
233	Video derived observations of estuarine sand bank migration, Teignmouth, UK	Kingston, K.S., Davidson, M.A., Holman, R.A.
235	Coastal inlet functional design: Anticipating morphologic response	Kraus, N.C.
236	Towards predicting nearshore grain size	Soltau, C.
237	Morphological impacts of closely spaced hurricanes Frances and Jeanne (September 2004) on nourishment beaches along the Florida Southeast Coast, USA	Benedet, L., Stive, M., Finkl, C.W., Campbell, T.
239	Optimizing and understanding shoreface nourishments	van Ormondt, M., Walstra, D.-J., van Rijn, L., Roelvink, D., Spanhoff, R.
243	Modelling sand wave evolution using various sediment transport mechanisms	van der Meer, F.M., Németh, A.A., Hulscher, S.J.M.H.
248	Intertidal morphology and wave run-up observations during a storm event with X-band nautical radar	Takewaka, S.
249	2DH mapping of surf zone bathymetry from video	Aarninkhof, S., Wijnberg, K., Roelvink, D., Reniers, A.
252	A hybrid approach for modelling coastal morphology	Zijl, F., van Kessel, T., Roelvink, J.A., Walstra, D.J.R., Aarninkhof, S.G.J., van Koningsveld, M.

254	A storm classification based on the beach erosion potential in the Catalanian coast	Mendoza, E.T., Jiménez, J.A.
257	Summertime morphodynamics of two beaches presenting different wave exposure. Faial island, Azores, Portugal	Lafon, V., Jose, F., Tempera, F., Macedo, L., Martins, A.
258	Modeling of storm induced island breaching at the Baltic sea coast	Witting, M., Mewis, P., Zanke, U.
260	A data-based mechanistic approach to modelling the beach morphological changes at Duck, North Carolina, USA	Gunawardena, Y., Ilic, S., Young, P., Pinkerton, H.
261	Effect of assuming a logarithmic velocity profile near the bottom on computing tide-residual sediment transport	Zitman, T.J.
262	Nourishment of the slope of a tidal channel. From experiment to practice	Nederbragt, G., Koomans, R.L.
264	Morphodynamic control on extreme coastal drivers	Sánchez-Arcilla, A., Jiménez, J.A.
265	A contribution to the understanding of the Óbidos lagoon dynamics	Silva, A., Santos, M., Leitão, P., Neves, R.
266	Disymmetric behaviour of nearshore crescentic bars on an open coast: Aquitanian coast, France	Castelle, B., Bonneton, P., Butel, R.
268	Uncertainties in the engineering use of headland-bay beach design guidance	Martino, E., Moreno, L., Kraus, N.C.
269	Wave reflection effects on wave climate and littoral dynamics in the Algeciras bay	Carci, E., Rivero, F.
272	Evolution of beach cusps	Stoker, A., Dodd, N.
280	Large Scale Coastal Change During Extreme Storms	Dr. Asbury H. Sallenger, Jr.