

COASTAL DYNAMICS 2017



Helsingør, Denmark

12-16 June 2017

CONFERENCE PROGRAM

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Welcome to the Coastal Dynamics 2017 Conference!

We hope that you will enjoy the Coastal Dynamics 2017 conference in Helsingør, Denmark. The theme of the conference is 'Working with Nature!' and the program shows a very nice mixture of oral and poster presentations on a wide range of topics related to the conference, Thanks to you!

There are three key-note lectures scheduled:

'Beach-shoreface morphodynamics: the big picture' by Edward Anthony, professor in Coastal Geomorphology at the Aix-Marseille University, France

'Selected unanswered challenges in coastal dynamics' by Peter Nielsen, professor in Coastal Engineering at the University of Queensland, Australia

'Computational Coastal Dynamics – scales, approximations and applications' by Nils Drønen, Research and Development Program Manager (Coastal) at DHI-group, Denmark

We wish you a very fruitful and pleasant conference!

On behalf of the organizing committee,

Troels Aagaard and Aart Kroon

Technical information

See for updates our website www.coastaldynamics2017.dk

Oral Presentations

Electronic files can be submitted on the pc in each room. Please upload your presentation before your oral session starts. Technical assistance is available in all three session rooms. Please also introduce yourself to the session chair before the start of the session.

Poster sessions

Each presenter is provided with a 110 cm-high by 85 cm-wide poster board. This means that we prefer portrait poster formats. Posters should be set up on the morning of the day of your presentation (name of the first author is indicated on the poster board). Tape is available. Posters can be removed at the end of the day of your presentation.

Internet access

There is free internet access via KV-Publikum. There is no password required.

Conference venue

Kulturværftet, Allegade 2, 3000 Helsingør, Denmark; www.kuto.dk



MONDAY JUNE 12 – SHORT COURSES AND ICE BREAKER

0800-0900	Registration for short courses	
0900-1200	<p>Room M2/M3 Short course 1</p> <p><i>Open coasts, hard structures and spits - Modelling shoreline evolution using new MIKE modelling tools'</i></p> <p>(Kasper Kærgaard, Sten Esbjørn Kristensen)</p>	<p>Room M1 Short course 2</p> <p><i>Climate change and coastal adaptation - Solving erosion and flooding problems'</i></p> <p>(Per Sørensen, Aart Kroon)</p>
1200-1230	Lunch	
1230-1600	<p>Short course 1 Continued</p>	<p>Short course 2 continued</p>
1800-2000	Conference registration open Ice breaker/opening mixer	



TUESDAY JUNE 13

0800-0850	Conference registration open		
0850-1010	<p align="center">Conference opening (Auditorium 1)</p> <p align="center">Local organizing committee Stine Johansen, Chief Executive, Helsingør Kommune Merete Løvschall, Director, Danish Coastal Authority</p> <p align="center">Keynote 1 – Edward Anthony: <i>'Beach-shoreface morphodynamics: the big picture'</i> (0920-1010) Session chair: Troels Aagaard</p>		
1010-1040	Coffee break		
	Auditorium 1	Auditorium 2	Meeting Room M 1
1040-1200	Session 1(a) Coasts and climate – 1 <i>Chair: Hans Hanson</i>	Session 1(b) Swash and runup <i>Chair: Gerd Masselink</i>	Session 1(c) Estuaries and tidal environments – 1 <i>Chair: Henk Steetzel</i>
1040	THE WEST EUROPE PRESSURE ANOMALY (WEPA): A SIMPLE SEA-LEVEL-PRESSURE BASED CLIMATE INDEX CONTROLLING WINTER WAVE HEIGHTS <i>B. Castelle, G. Dodet, G. Masselink and T. Scott</i>	RUN-UP OF VERY LONG WAVES GENERATED BY BOTTOM-TILTING WAVE MAKER <i>Y.S.Park</i>	SAW-TOOTH BAR DYNAMICS ON THE AMELAND EBB-TIDAL DELTA <i>L. Brakenhoff, M. van der Vegt and G. Ruessink</i>
1100	PROPAGATION OF UNCERTAINTY ACROSS THE MODELING CHAIN FOR EARLY WARNING OF COASTAL STORMS IN EMILIA-ROMAGNA <i>S.Unguendoli, B.Zanuttigh, M. Aguzzi, L. Bressan, N.De Nigri, M. Morelli, A. Valentini, and T.Paccagnella</i>	SWASH SATURATION: IS IT UNIVERSAL AND DO WE HAVE AN APPROPRIATE MODEL? <i>M. G. Hughes, T. E. Baldock and T. Aagaard</i>	SEDIMENT MOVEMENT INDUCED BY SHIP-GENERATED WAVES IN RESTRICTED WATERWAYS <i>M. Larson, B. Almström, G. Göransson, H. Hanson and P. Danielsson</i>
1120	IMPACT ASSESMENT OF CLIMATE CHANGE ON SANDY BEACH AT URADOME COAST, JAPAN <i>Y. Shibutani, K. Hayashi, N. Mori, H. Mase and M. Kuroiwa</i>	ALONGSHORE VARIABILITY IN OBSERVED RUNUP UNDER DISSIPATIVE CONITIONS <i>N. Senechal</i>	DRIVERS OF CHANNEL-SHOAL MORPHODYNAMICS AT THE OUTER WESER ESTUARY <i>G. Herrling, M. Benninghoff, A. Zorndt and C. Winter</i>
1140		WAVE RUNUP OVER THE STEEP ROCKY CLIFFS OF BANNEG ISLAND, FRANCE <i>G. Dodet, F. Leckler, F. Arduin, S. Suanez and J.-F. Filipot</i>	TIDAL ENERGY DISSIPATION IN THREE ESTUARINE ENVIRONMENTS <i>S. Cook and T. Lippmann</i>

1200-1330	Lunch		
1330-1450	<p>Session 2(a) Coasts and climate – 2 <i>Chair: Bruno Castelle</i></p>	<p>Session 2(b) Beach face hydrodynamics <i>Chair: Michael Hughes</i></p>	<p>Session 2(c) Estuaries and tidal environments – 2 <i>Chair: Ana Matias</i></p>
1330	<p>THE ROLE OF MULTI-DECADAL CLIMATE VARIABILITY IN CONTROLLING COASTAL DYNAMICS: RE-INTERPRETATION OF THE 'LOST VILLAGE OF HALLSANDS' <i>T. Scott, G. Masselink, B. Castelle, G. Dodet and M. Wiggins</i></p>	<p>GROUNDWATER FLUXES WITHIN SANDY BEACHES: SWASH-DRIVEN FLOW VS CROSS-BARRIER GRADIENTS <i>D. Sous, L. Petitjean, F. Bouchette, V. Rey, S. Meulé and F. Sabatier</i></p>	<p>FLOOD HAZARD SENSITIVITY TO STORM SURGE-HIGH WATER CONCURRENCE IN A HYPER-TIDAL ESTUARY <i>C. Lyddon, A. Plater, J. Brown, N. Leonardi</i></p>
1350	<p>IS THE NORTH ATLANTIC OSCILLATION AFFECTING THE LONGSHORE DRIFT RATE IN SOUTHEAST ENGLAND? <i>B. Blanco, A. Brampton and M. Cowling</i></p>	<p>REDUCTIONS IN BERM HEIGHT AND FORESHORE SLOPE DUE TO SEAWARD FLOW ORIGINATED FROM FILTRATION ON GRAVEL BEACH <i>T. Ishikawa, T. Uda, M. Serizawa, M. Okamoto, Y. Noshi and S. Miyahara</i></p>	<p>PERIODIC SALTATION UNDER EXTREME TIDAL CURRENTS: AN EXPERIMENTAL STUDY <i>G. Minster, F. Floc'h, A. Valance, N. Le Dantec, A. Nicolle, O. Blanpain, J.-F. Filipot, B. Zerr</i></p>
1410	<p>HISTORICAL WAVE CLIMATE HINDCASTS BASED ON JRA-55 <i>N. Mori, T. Shimura, H. Kamahori and A. Chawla</i></p>	<p>TRANSIENT SURF ZONE CIRCULATION INDUCED BY RHYTHMIC SWASH ZONE AT A REFLECTIVE BEACH <i>R. Almar, A. N. Lerma, P. Derian, B. Castelle and T. Scott</i></p>	<p>RESPONSE OF THE MEKONG DELTAIC COAST TO ITS CHANGING SEDIMENT SOURCES AND SINKS <i>H.M. Phan, Ad Reniers, Q. Ye, M. Stive</i></p>
1430	<p>CLIMATE CHANGE-DRIVEN BLUFF AND BEACH EVOLUTION AT DECADAL TO CENTENNIAL TIME SCALES <i>L. Erikson, A. O'Neill, P. Barnard, S. Vitousek, and P. Limber</i></p>	<p>SWASH DYNAMICS OF A SANDY BEACH WITH LOW TIDE TERRACE <i>L. P. Almeida, R. Almar, C. Blenkinsopp, K. Martins, R. Benschila and C. Daly</i></p>	<p>CONNECTING SUBTIDAL AND SUBAERIAL SAND TRANSPORT PATHWAYS IN THE TEXEL INLET SYSTEM <i>K. Wijnberg, A. van der Spek, F. G. Silva, E. Elias, M. van der Wegen and J. Slinger</i></p>
1450-1550	Coffee break & Poster session A		

POSTER SESSION A Tuesday June 13, 1450-1550 – Rooms M2/3 + M5 Session chair: David Fuhrman	
<i>Diogo Mendes, José P. Pinto, António A. Pires-Silva and André B. Fortunato</i>	INFRAGRAVITY WAVE DYNAMICS ON AN EMBAYED BEACH
<i>C. Caulet, F. Floc'h, N. Le Dantec, E. Augereau, F. Ardhuin, C. Delacourt</i>	WAVE SETUP VARIATIONS ALONG A CROSS-SHORE PROFILE OF A MACROTIDAL SANDY EMBAYED BEACH, PORSMILIN, BRITTANY, FRANCE
<i>Alexandre Nicolae Lerma, Thomas Bulteau</i>	A NUMERICAL STUDY OF EXTREME WAVE RUNUP BEHAVIOR: SPECTRAL AND STATISTICAL ANALYSIS
<i>Sergey Kuznetsov, Yana Saprykina</i>	DEPTH-INDUCED WAVE BREAKING CRITERIA IN DEPENDENCE ON WAVE NONLINEARITY IN COASTAL ZONE
<i>Daniel A. Thompson, Harshinie Karunaratna and Dominic E. Reeve</i>	COMPUTATIONAL INVESTIGATION OF THE EFFECTS OF BIMODAL SEAS ON WAVE OVERTOPPING
<i>Pernille L. Forsberg, Verner B. Ernstsén, Ulrik Lumborg, Nils Drønen, Thorbjørn J. Andersen, Aart Kroon</i>	HYDRO- AND SEDIMENT DYNAMICS IN A NON-TIDAL LAGOON BASED ON IN SITU OBSERVATIONS AND NUMERICAL MODELLING: RØDSAND LAGOON, SOUTHEAST DENMARK
<i>Steven Traynum, Trey Hair and Rachel Odzer</i>	COMPARING SHORELINE CHANGE ANALYSIS METHODS NEAR INLETS IN SOUTH CAROLINA
<i>Wiebe de Boer, Dirk-Jan Walstra, Cilia Swinkels, Jeseon Yoo, Kideok Do, Bas Huisman, Robert McCall, Freek Scheel, Josh Friedman, Arjen Luijendijk, Ad Reniers, Dano Roelvink, Roshanka Ranasinghe</i>	UNDERSTANDING COASTAL EROSION PROCESSES AT THE KOREAN EAST COAST
<i>Masayuki Banno, Satoshi Takewaka and Yoshiaki Kuriyama</i>	MULTIDECADAL SHORELINE EVOLUTION DUE TO LARGE-SCALE BEACH NOURISHMENT – JAPANESE SAND ENGINE?
<i>Melinda Odum, Jørgen Quvang Harck Nørgaard and Elisabeth Baden</i>	QUEENSFERRY CROSSING, UK – SCOUR PROTECTION DESIGN
<i>Elisabeth Baden and Jesper Aarosiin Hansen</i>	BEACH NOURISHMENT AND EROSION PROTECTION ON INNER DANISH COASTS – A CASE STUDY
<i>Sungwon Shin, In-Ho Kim, Jinhoon Kim, Jungmin Nam, and Hyung-Seok Lee</i>	BEACH EROSION AND STRUCTURAL DAMAGE BY HIGH SWELL WAVES
<i>William G. Bennett, Harshinie Karunaratna and Dominic E. Reeve</i>	MORPHOLOGICAL IMPACTS DUE TO STORMS ON A MACROTIDAL BEACH
<i>Curt D. Storlazzi, Borja Reguero, Michael W. Beck, Erik Lowe, Barry Nickel, and Ann Gibbs</i>	RIGOROUSLY VALUING THE ROLE OF CORAL REEFS IN COASTAL PROTECTION: AN EXAMPLE FROM MAUI, HAWAII, USA
<i>Yi Liu and Jennifer L. Irish</i>	PREDICTING TROPICAL CYCLONE FORERUNNER SURGE
<i>Christian M. Appendini, Adrián Pedrozo Acuña, Rafael Meza Padilla</i>	EXTREME WAVES AND CLIMATE CHANGE IN THE GULF OF MEXICO
<i>Tomoya Shimura, Nobuhito Mori and the d4PDF group</i>	FUTURE CHANGE OF STORM SURGE RISK UNDER GLOBAL WARMING BASED ON MEGA-ENSEMBLE GLOBAL CLIMATE PROJECTIONS
<i>Natalia Shabanova, Stanislav Ogorodov and Fedor Romanenko</i>	RUSSIAN ARCTIC COASTAL DYNAMICS HYDRO-METEOROLOGICAL FORCING: HALF-CENTURY HISTORY AND CURRENT STATE
<i>Yosuke Yamamoto, Tomohiro Yasuda, Nobuhito Mori and Hajime Mase</i>	PROJECTION OF FUTURE CHANGE IN STORM SURGE USING MRI-AGCM3.2H ENSEMBLE EXPERIMENTS
<i>Tsuyoshi Kotoura and Hitoshi Tanaka</i>	INFLUENCE OF CALCULATION AREA ON WAVE PREDICTION FOR MARINE WORKS IN THE PACIFIC OCEAN

1550-1710	Session 3(a) Coasts and climate – 3 <i>Chair: Tim Scott</i>	Session 3(b) Surf zone hydrodynamics 1 <i>Chair: Eric Barthelemy</i>	Session 3(c) Aeolian transport and dunes <i>Chair: Li Erikson</i>
1550	SCIENCE BASED TOOLS INFORMING COASTAL MANAGEMENT IN A CHANGING CLIMATE <i>J. Brown, P. Knight, T. Prime, B. Phillips, C. Lyddon, N. Leonardi, K. Morrissey and A. Plater</i>	WAVE HEIGHT DISTRIBUTIONS IN THE SURF ZONE: IMPLICATIONS FOR SURF ZONE MODELLING <i>H. E. Power and T. E. Baldock</i>	PHYSICAL MODEL EXPERIMENT INVESTIGATING INTERACTIONS BETWEEN DIFFERENT DUNE VEGETATION AND MORPHOLOGY CHANGES UNDER WAVE IMPACT <i>J. Figlus, J.M. Sigren, M. Power and A. R. Armitage</i>
1610	COMBINING REGIONAL AND LOCAL SCALE COASTAL FLOOD RISK ASSESSMENT AND HAZARD MODELLING <i>B. Phillips, J. M. Brown, A. J. Williams and A. Plater</i>	WAVE HEIGHT DISTRIBUTION FOR NON-LINEAR SWELL WAVES IN DEEP AND DEPTH-LIMITED WAVE CONDITIONS <i>J.Q.H. Nørgaard, J. E. Knudsen and T. L. Andersen</i>	HOW TIDES AND WAVES ENHANCE AEOLIAN SEDIMENT TRANSPORT AT THE SAND MOTOR MEGANOURISHMENT <i>B. Hoonhout, A. Luijendijk, R. Velhorst, S. de Vries and D. Roelvink</i>
1630	MORPHODYNAMIC RESPONSE OF THE DEBEN ESTUARY TO FUTURE EXTREME WAVE CHANGE <i>Y. Yin, H. Karunarathna and D.E. Reeve</i>	QUANTIFYING TWO DIMENSIONAL WAVE BREAKING DISSIPATION IN THE SURF ZONE <i>H. Díaz and P. A. Catalán</i>	MONITORING AEOLIAN ACTIVITY DURING A STORM EVENT USING A VIDEO SYSTEM <i>A.-L. Montreuil, M. Chen, E. Brand and S. Dan</i>
1650	ESTIMATING CLIMATE CHANGE IMPACTS ON STORM SURGE USING ADAPTIVE MESH REFINEMENT <i>M. Kjerland and N. Mori</i>	WAVE TRANSFORMATION OVER THE OUANO REEF BARRIER, NEW CALEDONIA <i>F. Locatelli, D. Sous, V. Rey, C. Chevalier, F. Bouchette, J.-L. Devenon, J. Touboul</i>	MEASURED SPATIAL VARIABILITY OF BEACH EROSION DUE TO AEOLIAN PROCESSES <i>S. de Vries, A. Verheijen, B. Hoonhout, S. Vos, N. Cohn and P. Ruggiero</i>
1715-1730	Auditorium 1 Introduction to Coastal Sediments 2019 Hans Hanson		

WEDNESDAY JUNE 14

0800-0830	Registration open		
	Auditorium 1	Auditorium 2	Meeting Room M 1
0830-0950	Session 4(a) Nearshore bar dynamics <i>Chair: Yoshiaki Kuriyama</i>	Session 4(b) Surf zone hydrodynamics 2 <i>Chair: Herve Michallet</i>	Session 4(c) Reefs and rocky coasts <i>Chair: Edward Anthony</i>
0830	RECENT INSIGHTS INTO INTER-ANNUAL SANDBAR DYNAMICS <i>D.J. Walstra and G. Ruessink</i>	RIP CURRENTS VORTICITY SCALING <i>E. Barthélemy</i>	WAVE PROCESSES AND OVERWASH HAZARD ON A HIGH-ENERGY ROCK PLATFORM <i>MA.Kinsela, H.E. Power, B.D. Morris and D.J. Hanslow</i>
0850	MORPHODYNAMICS OF SLIGHTLY OBLIQUE NEARSHORE BARS AND THEIR INFLUENCE ON THE CYCLE OF NET OFFSHORE BAR MIGRATION <i>N. Aleman, R. Certain, N. Robin, O. Raynal and J.-P. Barusseau</i>	WAVE HEIGHT AND BATHYMETRIC CONTROLS ON SURFZONE CURRENT VELOCITY AND DISPERSION ACROSS AN EMBAYED BEACH <i>R.J. McCarroll, R.W. Brander and T. Scott</i>	TYPHOON WAVES ON CORAL REEFS <i>A.Vila-Concejo, S. Duce, M. Nagao, Y. Nakashima, M. Ito, K. Fujita and H. Kan</i>
0910	CHARACTERISTICS AND DYNAMICS OF CRESCENTIC BAR EVENTS IN AN OPEN, TIDELESS BEACH <i>R. L. de Swart, F. Ribas, B. G. Ruessink, G. Simarro, J. Guillén⁴</i>	SURF BEAT 'SHOALING' <i>P. Nielsen</i>	WAVE DYNAMICS AND FLOODING ON LOW-LYING TROPICAL REEF-LINED COASTS <i>A.van Dongeren, C.Storlazzi, E. Quataert M. Gawehn, O. Cheriton and S. Pearson</i>
0930	NEARSHORE BARS AND SHORELINE DYNAMICS ASSOCIATED WITH THE IMPLEMENTATION OF A SUBMERGED BREAKWATER: TOPO-BATHYMETRIC ANALYSIS AND VIDEO ASSESSMENT AT THE LIDO OF SÈTE BEACH <i>C.Bouvier, Y. Balouin and B. Castelle</i>	INFRAGRAVITY WAVES AND BORE MERGING <i>M. Tissier, P. Bonneton and G. Ruessink</i>	LOCALLY VARYING INUNDATION CHARACTERISTICS ALONG COASTLINES OF BATANES INDUCED BY SUPERTYPHOON MERANTI <i>J.P.Lapidez, Y.Tajima, J. Camelo, M. Saito, Y. Matsuba, T. Shimozono, D. Bautista, M. Turiano and E. Cruz</i>
0950-1020	Coffee break		
1020-1140	Session 5(a) Shoreline morphodynamics <i>Chair: Daniel Calvete</i>	Session 5(b) Sediment transport <i>Chair: Nadia Senechal</i>	Session 5(c) Ecomorphology and dune modelling <i>Chair: Niels G.Jacobsen</i>
1020	EQUILIBRIUM PLANFORM OF HEADLAND BAY BEACHES: EFFECT OF	FIELD OBSERVATIONS OF SUSPENDED SEDIMENT CONCENTRATION,	LONG-TERM MODELLING OF AEOLIAN TRANSPORT AND BEACH-DUNE

	DIRECTIONAL WAVE CLIMATE <i>A.El-Shinnawy, R. Medina, M.González and J. Gainza</i>	TURBULENCE AND BEDFORMS <i>D.F. Christensen and T.Aagaard</i>	EVOLUTION <i>C.Fredriksson, M.Larson and H.Hanson</i>
1040	EQUILIBRIUM MODELING OF THE BEACH PROFILE ON A MACROTIDAL EMBAYED BEACH <i>C.Lemos, F.Floc'h, M.Yates, N.Le Dantec, V. Marieu, K.Hamon, V.Cuq, S.Suanez, C.Delacourt</i>	INCLUSION OF WAVE BREAKING TURBULENCE IN REFERENCE CONCENTRATION MODELS <i>J.van der Zanden, D.van der A, D.Hurther, I.Cáceres, T.O'Donoghue and J. Ribberink</i>	ASSESSMENT OF GREEN MEASURES AS COASTAL DEFENCES USING NUMERICAL MODELS <i>A.Sánchez-Arcilla, M. García-León, J.P.Sierra and V.Gracia</i>
1100	BEACH SCARP EVOLUTION AND PREDICTION <i>M.de Schipper, J.Darnall, S.de Vries and Ad Reniers</i>	EFFECT OF TIME HISTORY OF VELOCITY ON INSTANTANEOUS SEDIMENT TRANSPORT IN THE SWASH ZONE <i>L. Wu, D.Feng and A. Okayasu</i>	GRAIN SIZE SELECTION IN SEAGRASS BEDS <i>D.C. Conley, M.Austin, I. Davidson and G.Masselink</i>
1120	FORMATION AND DESTRUCTION OF SHORELINE SAND WAVES: OBSERVATIONS AND MODELLING <i>J.Arriaga, A. Falques, F. Ribas and E.Crews</i>	LARGE-SCALE EXPERIMENTAL OBSERVATIONS OF WAVE-INDUCED SEDIMENT TRANSPORT OVER A SURF ZONE SANDBAR <i>R.S. Mieras, J.A. Puleo, D.Anderson, D.T. Cox and T.-J.Hsu</i>	VARIATIONS IN TSUNAMI ATTENUATION ABILITY OF COASTAL FORESTS WITH AGE BASED ON A FOREST GROWTH MODEL <i>T.Asano and H. Omoya</i>
1200-1330	Lunch		
1330-1450	Session 6(a) Beach nourishment and morphology <i>Chair: Tim Kana</i>	Session 6(b) Large scale coastal morphology <i>Chair: Ad van der Spek</i>	Session 6(c) Field measurements <i>Chair: Stefan Carstensen</i>
1330	POOLE BAY NEARSHORE REPLENISHMENT TRIAL <i>T.Mason, S.Terry, M.Linham, N.Watson and J.Evans</i>	EVOLUTION OF BARRIER ISLAND SAND SPITS AND EFFECTS ON BEACH MANAGEMENT PRACTICES IN SOUTHWEST AND CENTRAL FLORIDA <i>M.A.Dabees and B.D. Moore</i>	INSIGHTS INTO REDUCING THE BRISBANE RIVER ESTUARY'S HIGH TURBIDITY <i>J. Nielsen, D. Callaghan, I. Teakle, T. Baldock & P. Nielsen</i>
1350	TIME-DEPENDENT EFFECTS OF NOURISHMENTS ON SHORFACE BAR BEHAVIOUR <i>T. Vermaas, E. Elias, A. van der Spek and R. Hoogland</i>	SEDIMENT BALANCE FROM MOUNTAINS TO COASTS IN JAPAN: WHAT IS THE CAUSE OF COASTAL EROSION IN THE PERIOD FROM 1950 TO 1990? <i>K.Udo, K.Morita, Y.Takeda, and Y.Yokoo</i>	TILT CURRENT METERS IN THE SURF ZONE: BENCHMARKING UTILITY IN HIGH FREQUENCY OSCILLATORY FLOW <i>K. Anarde and J. Figlus</i>

1410	A MODEL BASED STUDY OF SAND NOURISHMENT DECAY <i>N.Drønen, P.Sørensen, R.Deigaard, S. Kristensen and O. Ries</i>	NUMERICAL MODELING AND ANALYSIS OF COASTAL SEDIMENT BUDGET AT WEST MAUI, HAWAII <i>L.Lin, Z.Demirbilek, J.H. Podoski, and T.D. Smith</i>	PERFORMANCE OF A TILT CURRENT METER IN THE SURF ZONE <i>A.B.Hansen, D.F. Christensen and T. Aagaard</i>
1430	ASSESSMENT OF THE DESIGN AND BEHAVIOUR OF NOURISHMENTS IN THE NORTH SEA REGION: TOWARDS A NSR GUIDELINE FOR NOURISHMENTS <i>R.J.A.Wilmink, Q.J.Lodder, P. Sørensen</i>	DECADAL EVOLUTION OF TIDAL CHANNEL HYPSONOMETRY IN THE OUTER WESER ESTUARY, GERMANY <i>M.Benninghoff and Christian Winter</i>	DEPOSITION GRADIENTS ACROSS MANGROVE FRINGES <i>E.M.Horstman, J.C. Mullarney and K.R. Bryan</i>
1500-1900	Field Excursion Northern Zealand Beaches (Per Sørensen)		

THURSDAY JUNE 15

0800-0830	Registration open		
0830-0920	<p style="text-align: center;">Auditorium 1</p> <p>Keynote 2 – Peter Nielsen: <i>'Selected unanswered challenges in coastal dynamics'</i> Session chair: Aart Kroon</p>		
	Auditorium 1	Auditorium 2	Meeting Room M 1
0930-1050	Session 7(a) Coastal hydrodynamics modelling - 1 <i>Chair: Gerben Ruessink</i>	Session 7(b) Bedforms and seabed dynamics <i>Chair: Daniel Conley</i>	Session 7(c) Tidal inlets and large scale bedforms <i>Chair: Mattieu de Schipper</i>
0930	NUMERICAL AND OBSERVATIONAL STUDIES FOR HIGHLY ACCURATE ANALYSIS OF DIRECTIONAL WAVE SPECTRUM <i>N. Hashimoto, M. Mitsui, K. Kawaguchi, M. Yokota, and M. Yamashiro</i>	WAVE AND CURRENT INDUCED RIPPLE FORMATION AND MIGRATION DURING STORMS <i>M.E. Wengrove, D.L. Foster, M.A. de Schipper, T.C. Lippmann</i>	ON THE IMPORTANCE OF TIDAL INLET PROCESSES FOR COASTAL DUNE DEVELOPMENT <i>F.G. Silva, K.M. Wijnberg, A.V. de Groot, and S.J. M. H. Hulscher¹</i>
0950	MODELLING INCIDENT-BAND AND INFRAGRAVITY WAVE DYNAMICS ON ROCKY SHORE PLATFORMS <i>R. McCall, G. Masselink, M. Austin, T. Poate and T. Jager</i>	THE FLOW OVER ASYMMETRICAL RIPPLES: AN EXPERIMENTAL INVESTIGATION ON THE HYDRODYNAMICS BEHAVIOR <i>C. Petrotta, C. Faraci, P. Scandura and E. Foti</i>	DEVELOPMENT OF LARGE SCALE BED FORMS IN THE SEA – 2DH NUMERICAL MODELING <i>J. Margalit and D.R. Fuhrman</i>
1010	NON-HYDROSTATIC MODELING OF COASTAL LEVEE OVERFLOWS <i>T. Shimozono, H. Ikezawa and S. Sato</i>	BED MOTION UNDER WAVES: PLUG AND SHEET FLOW OBSERVATIONS <i>H. Michallet, E. Barthélemy, A. Lammens, G. Marin and G. Vaudelin</i>	INVESTIGATION OF INPUT REDUCTION TECHNIQUES FOR MORPHODYNAMIC MODELING OF COMPLEX INLETS WITH BAROCLINIC FORCING <i>G. Gelfenbaum, E. Elias; A.W. Stevens and S.R. Harrison</i>
1030	INCLUDING TIDAL CURRENTS IN A WAVE-RESOLVING MODEL <i>F. de Wit, M. Tissier and Ad Reniers</i>	LABORATORY STUDY ON TRANSPORT OF CORAL GRAVELS UNDER FORWARD-LEANING NEARSHORE WAVES <i>Y. Tajima and S. Seto</i>	MORPHODYNAMIC EVOLUTION OF AN ESTUARY INLET <i>H. Karunarathna, J. Horrillo-Caraballo, H. Burningham and D. Reeve</i>
1050-1120	Coffee break		

1120-1240	<p>Session 8(a) Coastal hydrodynamics modelling - 2 <i>Chair: Nobuhito Mori</i></p>	<p>Session 8(b) Coastal morphodynamics - 1 <i>Chair: Tim Price</i></p>	<p>Session 8(c) Beach profiles <i>Chair: Kasper Kærgård</i></p>
1120	<p>MEASURING AND MODELLING OVERWASH HYDRODYNAMICS ON A BARRIER ISLAND <i>A.Matias, A.R.Carrasco, C Loureiro, U.Andriolo, G. Masselink, M.Guerreiro, A.Pacheco, R. McCall, Ó. Ferreira, T.Plomaritis</i></p>	<p>SURF ZONE MORPHODYNAMICS DURING LOW-MODERATE ENERGETIC CONDITIONS; THE TASTI FIELD EXPERIMENT <i>J.Brinkkemper, D.F. Christensen, A.B.Hansen, V.van Bergeijk, I.Naus, J. van de Wetering, T.Price, G.Ruessink, V.Ernstsen and T.Aagaard</i></p>	<p>MORPHODYNAMIC EVOLUTION OF PLANE BEACH UNDER PURE TIDAL CURRENT <i>V.Huynh, N.Dodd, F.Zhu</i></p>
1140	<p>SWASH HYDRODYNAMIC MODELLING USING CROCO: VALIDATION ON NHA TRANG EXPERIMENT <i>R.Benshila, L.P.Almeida, R. Almar and P. Marchesiello</i></p>	<p>BEACH GROWTH DRIVEN BY INTERTIDAL SANDBAR WELDING <i>N.Cohn, P.Ruggiero, and S.de Vries</i></p>	<p>RELATIONSHIPS BETWEEN OFFSHORE WAVES AND BEACH PROFILE CHANGES IN THE FORESHORE AND INNER TRANSITION ZONE <i>Y.Kuriyama and S.Yanagishima</i></p>
1200	<p>THE EFFECT OF ISLAND SLOPES ON WAVE TRANSFORMATION DURING OVERWASH AND INUNDATION <i>A.Engelstad, G.Ruessink, P. Hoekstra, and M.van der Vegt</i></p>	<p>POST-STORM BEACH RECOVERY CAPABILITIES AFTER EL NIÑO WINTER AT ENSENADA BEACH, MEXICO <i>A.Ruiz de Alegria-Arzaburu and J.A.Vidal-Ruiz</i></p>	<p>DEPTH OF CLOSURE ALONG AN EMBAYED, MACRO-TIDAL AND EXPOSED COAST: A MULTI-CRITERIA APPROACH <i>N.G.Valiente, G.Masselink, T.Scott and D.Conley</i></p>
1220	<p>3D PHASE-AVERAGED MODELLING OF THE HYDRODYNAMICS OF A DISSIPATIVE BEACH UNDER ENERGETIC CONDITIONS <i>T.Guérin, X.Bertin and A. de Bakker</i></p>	<p>OBSERVATIONS OF SEDIMENT PARTICLE MOVEMENTS DURING A STORM <i>T.Suzuki, Y.Inami, M.Banno, and Y.Kuriyama</i></p>	<p>THE USE OF DATA-DRIVEN TECHNIQUES FOR ANALYZING BEACH PROFILES ON THE SUFFOLK COAST (UK) <i>J.M. Horrillo-Caraballo, D.E. Reeve, H.Karunaratna and S.Pan</i></p>
1240-1410	Lunch		
1410-1530	<p>Session 9(a) Coastal sediment transport modelling - 1 <i>Chair: Peter Nielsen</i></p>	<p>Session 9(b) Coastal morphodynamics -2 <i>Chair: Amaia Ruiz de Alegria-Arzaburu</i></p>	<p>Session 9(c) Case studies <i>Chair: Erik Damgård Christensen</i></p>
1410	<p>SWASH ZONE MORPHODYNAMIC MODELLING INCLUDING SEDIMENT ENTRAINMENT BY BORE-GENERATED TURBULENCE <i>F.Zhu and N.Dodd</i></p>	<p>IMPACT OF BEACH STATES ON ALONGSHORE TRANSPORT <i>B.J.A. Huisman, A. Vargas Solis, M.A. de Schipper, M. Radermacher, R. Ransinghe</i></p>	<p>IMPACTS OF SEASONAL FORCINGS ON THE HYDRODYNAMICS OF OREGON INLET, NC <i>L.Velásquez-Montoya and M.F.Overton</i></p>

1430	SIMULATING CROSS-SHORE EVOLUTION TOWARDS EQUILIBRIUM OF DIFFERENT BEACH NOURISHMENT SCHEMES <i>B.Marinho, C.Coelho, M.Larson, H.Hanson</i>	A STUDY OF SEDIMENT MIXING IN SURF AND SWASH ZONES UNDER ACCRETIONAL AND EROSIONAL WAVE CONDITIONS <i>T.Gunaratna, T.Kurosaki and T. Suzuki</i>	BYPASS IN GROUYNE FIELDS: CASE STUDY ALONG THE LOBITO SPIT <i>S.E.Kristensen, N.Drønen, R.Deigaard, B.Elfrink</i>
1450	A NUMERICAL INVESTIGATION OF SHEET FLOW UNDER NON-BREAKING AND BREAKING WAVES <i>Y.Kim, Z.Cheng, T.-J..Hsu, R.S. Mieras, and J.A.Puleo</i>	LOW ENERGY TRANSVERSE SAND BARS AT EL TRABUCADOR BEACH, EBRO DELTA. A PRELIMINARY STUDY <i>A.Mujal-Colilles, M. Grifoll and A.Falques</i>	THE 'VOORDELTA', THE CONTIGUOUS EBB-TIDAL DELTA IN THE SW NETHERLANDS; IMPACTS OF LARGE-SCALE ENGINEERING 1965-2013 <i>E.Elias; Ad van der Spek and M.Lazar</i>
1510	RANS-BASED NUMERICAL SIMULATION OF WAVE-INDUCED SHEET-FLOW TRANSPORT OF GRADED SEDIMENTS <i>D.R. Fuhrman and U. Caliskan</i>	SHOREWARD PROPAGATING ACCRETIONARY WAVES (SPAWS): OBSERVATIONS FROM A MULTIPLE SANDBAR SYSTEM <i>T.Price, N.van Kuik, L.de Wit, S.António and G.Ruessink</i>	COASTAL MAINTENANCE AND MANAGEMENT OF THE 'VOORDELTA', THE CONTIGUOUS EBB-TIDAL DELTA IN THE SW NETHERLANDS <i>Marian Lazar, Edwin Elias and Ad van der Spek</i>
1530-1630	Coffee break & Poster session B		

POSTER SESSION B Thursday June 15, 1530-1630 – Rooms M2/3 + M5 Session chair: Rolf Deigaard	
<i>Marie Rastello and Hervé Michallet</i>	SEDIMENT EROSION IN ZERO-MEAN-SHEAR TURBULENCE
<i>Yasuhito Noshi , Akio Kobayashi, Takaaki Uda and Yoshiki Hashimoto</i>	FORMATION OF SHARP BREAK IN SLOPE BETWEEN FORESHORE AND LOW-TIDE TERRACE AND LONGSHORE CHANGE IN HEIGHT OF SHARP BREAK
<i>Olivier Burvingt, Gerd Masselink and Paul Russell</i>	BEACH EVOLUTION AND RECOVERY FROM A SEQUENCE OF EXTREME STORMS
<i>Evelien Brand, Margaret Chen, Anne-Lise Montreuil and Sebastian Dan</i>	SPATIO-TEMPORAL VARIABILITY IN INTERTIDAL BEACH MORPHOLOGY ON A SEASONAL SCALE, MARIAKERKE, BELGIUM
<i>Christopher Daly, France Floc’h, Luis Pedro Almeida and Rafael Almar</i>	MODELLING ACCRETION AT NHA TRANG BEACH, VIETNAM
<i>Melanie Biauxque, Nadia Senechal and Adeline Barre</i>	HIGH FREQUENCY MONITORING OF THE SHORELINE/BARLINE EVOLUTION OF AN OPEN SANDY BEACH, THE EXAMPLE OF BISCARROSSE BEACH (FRANCE)
<i>Jesús Adrian Vidal-Ruíz, Amaia Ruiz de Alegría-Arzaburu, Rafael Hernández Walls, Héctor García-Nava</i>	AN ANNUAL CYCLE OF SANDBAR MIGRATION ON AN INTERMEDIATE MESOTIDAL BEACH: ENSENADA, MEXICO
<i>Ines Martin-Grandes, David J. Simmonds, Harshinie Karunaratna, Jose M. Horrillo-Caraballo and Dominic E. Reeve</i>	ASSESSING THE VARIABILITY OF LONGSHORE TRANSPORT RATE COEFFICIENT ON A MIXED BEACH
<i>Oliver Ries, Nils Drønen and Aart Kroon</i>	BARRIER MORPHODYNAMICS UNDER MICRO-TIDAL AND LOW TO MODERATE WAVE CONDITIONS, RØDSAND, DENMARK
<i>Daan Wesselman, Maarten van der Vegt and Renske de Winter</i>	THE INFLUENCE OF WASHOVER DIMENSIONS AND BEACH CHARACTERISTICS ON THE SEDIMENT TRANSPORT DURING INUNDATION
<i>Tsakasa Kuribayashi, Keiko Udo and Takanori Uchida</i>	CHARACTERISTICS OF WIND FIELD OVER AN ARTIFICIAL STRAIGHT DUNE AT KASHIMA COAST JAPAN
<i>Glenn Strypsteen, Anne-Lise Montreuil and Pieter Rauwoens</i>	AEOLIAN SAND TRANSPORT AT THE BELGIAN COAST: FIELD CAMPAIGNS AND FIRST RESULTS
<i>Xiaojing Niu</i>	AN ANALYTICAL SOLUTION FOR LONG WAVES SCATTERING AROUND CIRCULAR ISLANDS WITH FLEXIBLE PROFILE SHAPES
<i>Almir Nunes, Carlos Ruberto Fragoso and Magnus Larson</i>	A STUDY ON THE WATER EXCHANGE IN MUNDAÚ LAGOON, NORTHEASTERN BRAZIL DURING THE DRY SEASON
<i>Tim Nagel, Julien Chauchat, Zhen Cheng, Cyrille Bonamy, Xiaofeng Liu, Tian-Jian Hsu, Oliver Bertrand</i>	TWO-PHASE FLOW SIMULATION OF SCOUR AROUND A CYLINDRICAL PILE
<i>Antonios Valsamidis and Dominic E. Reeve</i>	ON THE MORPHODYNAMIC EVOLUTION OF MEGA - NOURISHMENTS
<i>Yuki Imai, Nobuhito Mori, Junichi Ninomiya and Hajime Mase</i>	MODELING OF COASTAL CURRENTS USING COUPLED OCEAN-WAVE MODEL CONSIDERING WAVE-CURRENT INTERACTION ON RANDOM WAVES

1630-1750	Session 10(a) Coastal sediment transport modelling - 2 <i>Chair: Akio Okayasu</i>	Session 10(b) Remote sensing of coastal hydrodynamics <i>Chair: Hannah Power</i>	Session 10(c) Miscellaneous coastal dynamics <i>Chair: Sten Kristensen</i>
1630	OBSERVATION AND NUMERICAL MODELING OF TIDAL SAND DUNE DYNAMICS <i>A. Doré, P. Bonneton, V. Marieu and T. Garlan</i>	REMOTE-SENSING OF WAVE TRANSFORMATION IN THE SURF ZONE <i>K.Martins, C.Blenkinsopp, E.Bergsma, H.Power, J.Puleo, B.Bruder</i>	LABORATORY EXPERIMENTS ON EROSION CONTROL PERFORMANCE OF AN L-SHAPED PERMEABLE STRUCTURE <i>Y.Maeda, M.Unno, M.Sato, T.Kurita, T.Uda and S.Sato</i>
1650	NUMERICAL SIMULATION OF SEDIMENT TRANSPORT IN SURF AND SWASH ZONES USING OPENFOAM <i>N.Karagiannis, T. Karambas and C. Koutitas</i>	FLASH RIP STATISTICS FROM VIDEO IMAGES <i>G.Rodier Mabiala, F. Floc'h, R.Almar, B. Castelle, N.Halls, Y.Du Penhoat and T.Scott</i>	POROUS MEDIA AND IMMERSED BOUNDARY HYBRID-MODELLING FOR SIMULATING FLOW IN STONE COVER-LAYERS <i>B.Jensen, X.Liu and E.D. Christensen</i>
1710	NUMERICAL MODELLING OF HETEROGENEOUS SEDIMENT TRANSPORT: NEW INSIGHTS FOR PARTICULATE RADIONUCLIDE TRANSPORT AND DEPOSITION <i>A.Rivier, P.Le Hir, P.Laguionie P.Bailly du Bois and M.Morillon</i>	RIP CURRENTS AT WAVE-AVERAGED TIME SCALES VIA RADAR REMOTE SENSING <i>M.C. Haller and A. O'Dea</i>	AN INTEGRATED MATHEMATICAL MODEL FOR THE DESIGN OF COASTAL PROTECTION STRUCTURES <i>T.V. Karambas and A.G. Samaras</i>
1730	FROM SCOUR TO DUNE MIGRATION: UNDERSTANDING AND PREDICTING SEABED MOBILITY NEAR OFFSHORE STRUCTURES AT DIFFERENT SPATIAL SCALES <i>A.Bolle, F.Brehin, P. Haerens, A.Kimpe, T. Lanckriet, N.Zimmermann</i>	SAMPLING NEARSHORE FLOWS WITH WAVE-AVERAGED MOVIES <i>R.Holman, D.Honegger and M.Haller</i>	INCIPIENT MOTION OF SAND-OIL AGGLOMERATES <i>M.A.Schippers, N.G.Jacobsen, P.S.Dalyander, T.Nelson, N.G. Plant, R.McCall</i>
1900-	CONFERENCE DINNER Hotel Marienlyst		

FRIDAY JUNE 16

0800-0830	Registration		
0830-0920	<p style="text-align: center;">Auditorium 1</p> <p style="text-align: center;">Keynote 3 – Nils Drønen: ‘Computational Coastal Dynamics – scales, approximations and applications’</p> <p style="text-align: center;">Session chair: Per Sørensen</p>		
	Auditorium 1	Auditorium 2	Meeting Room M 1
0930-1050	<p style="text-align: center;">Session 11(a)</p> <p style="text-align: center;">Morphological modelling - 1</p> <p style="text-align: center;"><i>Chair: Albert Falques</i></p>	<p style="text-align: center;">Session 11(b)</p> <p style="text-align: center;">Remote sensing of coastal processes and sediment transport</p> <p style="text-align: center;"><i>Chair: Rob Holman</i></p>	<p style="text-align: center;">Session 11(c)</p> <p style="text-align: center;">Anthropogenic coasts - 1</p> <p style="text-align: center;"><i>Chair: Magnus Larson</i></p>
0930	<p>AN IDEALISED STUDY OF THE STABILISATION MECHANISM IN THE LONG-TERM EVOLUTION OF CRESCENTIC BARS <i>W.L.Chen, N.Dodd and M.C.H.Tiessen</i></p>	<p>COASTAL TURBIDITY MONITORING USING THE PROBA-V SATELLITE <i>E.Knaeps, S.Sterckx, N. Bhatia, J.Monbaliu and E.Toorman</i></p>	<p>BUILDING WITH NATURE PILOT SANDY FORESHORE HOUTRIBDIJK DESIGN AND BEHAVIOUR OF A SANDY DIKE DEFENCE IN A LAKE SYSTEM <i>H.Steetzel, J.van Thiel de Vries, E.Penning, R.van Santen and V.Vuik</i></p>
0950	<p>CRESCENTIC BAR PATTERNS ALONG CURVED COASTS: OBSERVATIONS AND MODELLING <i>J. Rutten, B. Dubarbier, T. Price, B. Castelle and G. Ruessink</i></p>	<p>MONITORING NEARSHORE PROCESSES AND UNDERSTANDING SIGNIFICANT COASTAL CHANGE USING X-BAND RADAR <i>J. Atkinson, L.S. Esteves, J.J. Williams, P.S. Bell, D. McCann</i></p>	<p>EVOLUTION OF ALONGSHORE BATHYMETRIC VARIABILITY AROUND A MEGA-SCALE BEACH NOURISHMENT <i>M. Radermacher, W. Geerlof, M. de Schipper, B. Huisman, S. Aarninkhof and Ad Reniers</i></p>
1010	<p>INTEGRATED MODELLING OF THE MORPHOLOGICAL EVOLUTION OF THE SAND ENGINE MEGA-NOURISHMENT <i>A. Luijendijk, B. Hoonhout, R. Velhorst, and R. Ranasinghe</i></p>	<p>COASTSCAN: CONTINUOUS MONITORING OF COASTAL CHANGE USING TERRESTRIAL LASER SCANNING <i>S. Vos, R. Lindenbergh and S. de Vries</i></p>	<p>BEACH-FILL EQUILIBRATION AND DUNE GROWTH AT TWO LARGE-SCALE NOURISHMENT SITES <i>H.L. Kaczkowski, T.W Kana, and S.B Traynum</i></p>
1030	<p>UNCERTAINTY ASSESSMENT IN COASTAL MORPHOLOGY PREDICTION WITH A BAYESIAN NETWORK <i>A. Kroon, M. de Schipper, K. den Heijer, S. Aarninkhof and P. van Gelder</i></p>	<p>A LASER-BASED BOTTOM PROFILER SYSTEM FOR MEASURING NET SEDIMENT TRANSPORT RATES IN AN OSCILLATORY WATER TUNNEL <i>J. Yuan, Z. Li, O.S. Madsen</i></p>	<p>ANTHROPOGENIC MODIFICATION OF BARRIER ISLANDS FOR ESTUARINE WATER QUALITY AND SEDIMENT MANAGEMENT <i>G.A. Zarillo</i></p>
1050-1120	Coffee break		

1120-1240	<p>Session 12(a) Morphological modelling - 2 <i>Chair: Ap van Dongeren</i></p>	<p>Session 12(b) Remote sensing of coastal morphodynamics <i>Chair: Kathelijne Wijnberg</i></p>	<p>Session 12(c) Anthropogenic coasts - 2 <i>Chair: Dirk-Jan Walstra</i></p>
1120	<p>LONG-TERM MORPHOLOGICAL MODELLING: COMBINING STORM IMPACT AND DAILY CONDITIONS IN AN INTEGRATED MODELING FRAMEWORK <i>W.P. Bodde, R.T. McCall, M.H.P. Jansen, M.W.J. Smit, J.A. Roelvink</i></p>	<p>WEST AND CENTRAL AFRICAN REGIONAL NETWORK OF VIDEO CAMERAS TO MONITOR COASTAL RESPONSE TO MULTISCALE OCEAN FORCING <i>O.G.Abessolo, R. Almar, M.Larson, E.Kestenare, O.Raphaël, T.E.Minette, M.Crépin, M.Sall, C.Ibrahima, Y.Du Penhoat, G. Alory</i></p>	<p>SHORE PROTECTION OF NOTSUKEZAKI SAND SPIT <i>T.Sasaki, T.Horie, K.Yagisawa, K.Hashimoto, D.Taniguchi, and A.Kawamori</i></p>
1140	<p>ON A REDUCED-COMPLEXITY SHORELINE MODEL COMBINING CROSS-SHORE AND ALONGSHORE PROCESSES <i>A.Robinet, B.Castelle, D.Idier, V.Marieu, K.D.Splinter</i></p>	<p>LONG TERM COASTLINE MONITORING DERIVED FROM SATELLITE IMAGERY <i>G.Hagenaars, A.Luijendijk, S.de Vries and W.de Boer</i></p>	<p>ANALYSIS OF TSUNAMI VARIABILITY AND BREAKWATER STABILITY CONSIDERING UNCERTAINTY OF TSUNAMI SOURCE FOR THE 2011 TOHOKU EARTHQUAKE <i>D.Tsuji, K.Goda, T. Yasuda and N.Mori</i></p>
1200	<p>A NEW SHORELINE INSTABILITY MECHANISM RELATED TO HIGH-ANGLE WAVES <i>A.Falqués, N.Kakeh and D.Calvete</i></p>	<p>SHORELINE VARIABILITIES OBSERVED AT TWO LOCATIONS IN A LITTORAL CELL <i>S.Takewaka and W.Tianue</i></p>	<p>A SEDIMENT BUDGET FOR A HIGHLY DEVELOPED COAST – BELGIAN CASE <i>S.Dan and E.Vandebroek</i></p>
1220	<p>LONG-TERM SHORELINE EVOLUTION MODELING IN EMBAYED BEACHES <i>Y.Tran Hai and E.Barthélemy</i></p>	<p>RAPID CHANGE IN COASTAL MORPHOLOGY DUE TO SAND-BYPASSING CAPTURED BY UAV-BASED MONITORING SYSTEM <i>Y.Matsuba, S.Sato and K.Hadano</i></p>	<p>EFFICIENT DREDGING STRATEGY FOR CHANNEL MAINTENANCE OF THE GUADIANA EBB-DELTA <i>E.Garel, L.Castilho</i></p>
1250-1310	<p>Auditorium 1 Conference closure: Rob Holman, International Steering Board</p>		
1310-1440	<p>Lunch</p>		

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