

COASTAL DYNAMICS 2021 & SAND MOTOR CONGRESS



Delft, Netherlands
28 June – 2 July 2021

CONFERENCE PROGRAM

TABLE OF CONTENTS

Conference Overview	3
Monday 28 June 2021 (Day 1).....	4
Tuesday 29 June 2021 (Day 2).....	5
Wednesday 30 June 2021 (Day 3).....	8
Thursday 1 July 2021 (Day 4)	12
Friday 2 July 2021 (Day 5)	14
Poster Sessions	17

Conference Overview

Please note that all times are in Central European Summer Time (CEST, UTC+2). You can convert them to your own time zone [here](#).

Day	Monday 28 June	Tuesday 29 June	Wednesday 30 June	Thursday 1 July	Friday 2 July
Format	Online	Online	Online	CD21: Online SM: Hybrid	Online (except fieldtrip)
Registration	08:30 - 09:30 Registration Short Courses + Pre-Registration Conference	08:30 - 18:00 Conference Registration Information Desk	08:30 - 18:00 Conference Registration Information Desk	08:30 - 18:00 Conference Registration Information Desk	08:30 - 14:00 Information Desk
Morning Programme	09:30 - 11:00 Short Courses	09:30 - 10:00 Conference Opening 10:00 - 10:30 Keynote Dr. Giovanni Coco	08:40 - 10:00 Parallel Session 4 10:00 - 10:30 Keynote Dr. Jennifer Irish	08:40 - 10:00 Parallel Session 8 09:00 - 10:00 Walk-in Sand Motor 10:00 - 11:00 Sand Motor Opening	08:40 - 10:00 Parallel Session 11 10:00 - 10:30 Keynote Dr. Nadia Senechal
	11:00 - 11:30 Coffee Break	10:30 - 11:00 Coffee Break & Poster Session 1	10:30 - 11:00 Coffee Break & Poster Session 4	11:00 - 11:30 Coffee Break & Poster Session 7	10:30 - 11:00 Coffee Break
	11:30 - 12:30 Short Courses	11:00 - 12:40 Parallel Session 1	11:00 - 12:40 Parallel Session 5	11:30 - 12:30 Sand Motor Congress (incl. Keynote Annemieke Nijhof)	11:00 - 12:00 Parallel Session 12 12:00 - 12:40 Conference Closure & Award Ceremony
Lunch Break	12:30 - 13:30 Lunch Break	12:40 - 13:50 Lunch Break	12:40 - 13:50 Lunch Break	12:30 - 13:50 Lunch Break	12:40 - 14:00 Lunch Break
Afternoon Programme	13:30 - 15:00 Short Courses	13:50 - 15:10 Parallel Session 2	13:50 - 15:10 Parallel Session 6	13:50 - 15:10 Parallel Session 9 13:50 - 15:10 SM Workshops	Sand Motor Fieldtrip 14:00 Meet at Beach Club BIRDS 14:30 - 17:00 Sand Motor tours (walking & cycling) 17:00 - 20:15 Beach BBQ
	15:00 - 15:30 Coffee Break	15:10 - 15:40 Coffee Break & Poster Session 2	15:10 - 15:40 Coffee Break & Poster Session 5	15:10 - 15:40 Coffee Break & Poster Session 8	
	15:30 - 16:30 Short Courses	15:40 - 17:00 Parallel Session 3 17:00 - 18:00 Poster Session 3	15:40 - 17:00 Parallel Session 7 17:00 - 18:00 Poster Session 6	15:40 - 17:00 Parallel Session 10 15:40 - 17:00 SM Workshops	
Evening Programme	16:30 - 18:00 Welcome Reception Mibo (Virtual World)	-	-	17:00 - 18:30 Conference Reception	

Legend:	
Plenary Session / Keynote	Sand Motor Session
Posters & breaks	Short Course
Parallel Session	Other



Monday 28 June 2021 (Day 1) – Short courses

On the first day of the conference, two short courses are offered. For details and application: <https://www.coastaldynamics2021.nl/short-courses>



Course	Dune dynamics	XBeach modelling
Institution	NCK	Deltares
Length	Full day 09:30 – 16:30	Half day 13:30 – 16:30
Instructors	Sierd de Vries Kathelijne Wijnberg Gerben Ruessink Patrick Hesp Irene Delgado Fernandez Christa van IJzendoorn	Robert McCall Ellen Quataert Floortje Roelvink
Price	€100,- (incl. VAT) Free for students	€275,- (incl. VAT)
Minimum participants	20	20

Tuesday 29 June 2021 (Day 2)

09:30	Conference Opening		
10:00	Keynote: Dr. Giovanni Coco (University of Auckland) "Prediction" in coastal systems: a perspective from the antipodes		
10:30 – 11:00	Coffee break & Poster Session 1		
	ROOM A	ROOM B	ROOM C
11:00 – 12:40	Session 1a Infragravity Waves <i>Chair: Anouk de Bakker</i>	Session 1b Steep Beaches and Barriers <i>Chair: Matthieu de Schipper</i>	Session 1c Large Scale Morphologic Development <i>Chair: Mick van de Wegen</i>
11:00	RELEVANCE OF INFRAGRAVITY WAVES AT TIDAL INLETS AND ESTUARY MOUTHS Bertin, Mendes, Mengual, Martins, Fortunato, Pezerat, Lavaud	RECOVERING STEEP BEACH PROFILES IN XBEACH Kombiadou, Costas, Roelvink	THE LONG-TERM MORPHOLOGICAL RESPONSE TO SEA LEVEL RISE AND DIFFERENT DREDGING STRATEGIES IN THE WESTERN SCHELDT ESTUARY (NETHERLANDS) Röbbke, Elmilady, Van der Wegen, Taal
11:20	INFRAGRAVITY WAVES ON THE NORTH SEA Reniers, Naparowski, Tissier, De Schipper, Akrish, Rijnsdorp	2DH MODELLING OF MEASURED MORPHOLOGICAL DIFFUSIVITY Kakeh, Ribas, De Schipper, Hopkins, Calvete	HOW EROSION-RESISTANT SEDIMENTS STEER FUTURE COASTAL MORPHODYNAMICS Van der Vegt, Van Onselen, Hijma, Van der Vegt, Van der Spek
11:40	PHASE AVERAGED MODELING OF INFRAGRAVITY WAVES Akrish, Smit, Zijlema, Reniers	MODELLING OF CROSS-SHORE CHENIER DYNAMICS IN DEMAK, INDONESIA Tas, Gijón Mancheño, Van Bijsterveldt, Helmi, Winterwerp, Van Maren, Reniers	COASTLINE EVOLUTION DUE TO INLET MIGRATION: FIELD VALIDATION AND APPLICATIONS OF THE SHORELINES MODEL Elghandour, Hinson, Roelvink, Reyns, Costas
12:00	MODELLING OF HIGH-ENERGY DEFLECTION RIP AGAINST A NATURAL HEADLAND Mouragues, Bonneton, Castelle, Marieu	BARRIER BREACHING OR WASHOVER DEPOSITION: A SIMPLE MODEL FOR THE MORPHOLOGIC IMPACT OF STORMS ON COASTAL BARRIERS Nienhuis, Heijkers, Ruessink	UNDERSTANDING COASTAL RESILIENCE OF THE BELGIAN WEST COAST Verwaest, Dujardin, Montreuil
12:20		HOW EFFICIENTLY CAN WE MODEL BARRIER ISLAND BREACHING? De Goede, Quataert, Van der Lugt, Van Dongeren	A POTENTIAL SOLUTION FOR PREDICTING BEACH MORPHOLOGICAL RESPONSE TO SEA LEVEL RISE

			Hunt, Davidson, Scott, Russell, Steele
12:40 – 13:50	Lunch break		
13:50 – 15:10	<p>Session 2a Rips and Intrawaves <i>Chair: Ad Reniers</i></p>	<p>Session 2b Shorelines <i>Chair: Kirsten Splinter</i></p>	<p>Session 2c Intra-granular flow <i>Chair: France Floc'h</i></p>
13:50	<p>HYDRODYNAMICS IN A RIP CURRENT SETTING AND MORPHOLOGICAL CHANGES OF THE SURF ZONE, BEACH AND DUNE SYSTEM ON THE WEST COAST OF DENMARK PRIOR TO, DURING AND AFTER A STORM</p> <p>Sørensen, Skielboe, Sørensen, Karlsson, Søren</p>	<p>ARE ACCRETIVE BEACH CONDITIONS INTRINSICALLY (ALONGSHORE) UNSTABLE?</p> <p>Falques, Ribas, Mujal-Colilles, Puig-Polo</p>	<p>INFLUENCE OF BED ROUGHNESS AND MEGATIDAL CURRENT (INERTIAL REGIME) ON SALTATION</p> <p>Minster, Floc'h, Valance, Le Dantec, Nicolle, Zerr</p>
14:10	<p>TRIDIMENSIONAL NON-HYDROSTATIC TRANSIENT RIP CURRENTS IN A WAVE-RESOLVING MODEL</p> <p>Marchesiello, Auclair, Debreu, McWilliams, Almar, Benschila, Dumas</p>	<p>EXPLORING THE PARAMETERIZATION AND SENSITIVITY OF A SIMPLE HYBRID SHORELINE CHANGE MODEL</p> <p>Yates, Chataigner, Le Dantec, Harley, Splinter</p>	<p>LABORATORY MEASUREMENTS AND MODELLING OF PORE PRESSURES IN THE SWASH ZONE</p> <p>Kranenborg, Pauli, Antonio, Jacobsen, Van der Werf, McCall, Campmans, Reniers, Wijnberg, Hulscher</p>
14:30	<p>UBIQUITY OF LINEAR ASSUMPTIONS IN NEAR-SHORE WAVE ANALYSIS: THE NECESSITY TO GO BEYOND</p> <p>Bonneton, Lannes, Martins</p>	<p>COMPARING VARIANTS OF A MORPHOLOGICAL HYBRID MODEL FOR SHORELINE EVOLUTION</p> <p>Chataigner, Yates, Le Dantec</p>	<p>SOIL WATER RETENTION VARIABILITY ON SANDY BEACHES – IMPLICATIONS FOR SOIL MOISTURE PREDICTIONS</p> <p>Homberger, Hallin, Van Overstraten Kruijsse, Van der Zee</p>
14:50	<p>MODELLING THE EVOLUTION OF WAVE SHAPE</p> <p>De Wit, Tissier, Reniers</p>	<p>FIELD OBSERVATIONS AND MODEL SIMULATIONS OF LONGSHORE TRANSPORT ON LOW-ENERGY, NON-TIDAL BEACHES</p> <p>Ton, Vuijk, Wilmink, Aarninkhof</p>	
15:10-15:40	Coffee break & Poster Session 2		
15:40 – 17:00	<p>Session 3a Intrawave Processes <i>Chair: Meagan Wengrove</i></p>	<p>Session 3b Foreshore <i>Chair: Meg Palmsten</i></p>	<p>Session 3c Observations <i>Chair: Aart Kroon</i></p>
15:40	<p>A CONSISTENTLY-SCALED FREQUENCY DOMAIN NON-LINEAR MILD-SLOPE EQUATION MODEL FOR SURFACE WAVE PROPAGATION</p>	<p>BEACH MORPHODYNAMICS AND HISTORICAL COASTLINE EVOLUTION OF A SAND SPIT WITH GROIN FIELD EXPOSED</p>	<p>TOWARDS AUTONOMOUS CO-INCIDENT MEASUREMENTS OF SEDIMENT LOAD, PARTICLE SIZE, SETTLING VELOCITY AND TURBULENCE</p>

	Kim, Kaihatu	TO WINTER SEA ICE (GULF OF ST. LAWRENCE, CANADA) <i>Schuhmacher, Neumeier</i>	Smerdon, Van der A, O'Donoghue
16:00	PHASE-RESOLVING SIMULATION OF WAVES, CURRENTS AND SEDIMENT FLUXES IN A LARGE WAVE FLUME UNDER STORM WAVE SCENARIOS Rafati, Tsai, Hsu, Pontiki, Puleo, Lee, Wengrove, Cox	ALONGSHORE SUBTIDAL SANDBAR MIGRATION PATTERNS ON A HIGHLY DYNAMIC BEACH Kono-Martínez, Ruiz de Alegría-Arzaburu, Mariño-Tapia	QUANTIFYING SPATIAL COINCIDENCE BETWEEN AUTO-MATICALLY IDENTIFIED RIP CURRENT CHANNELS IN TIME EXPOSURE IMAGERY AND IN-SITU OBSERVATIONS OF BATHYMETRY Trimble, Penko, Maryan
16:20	LARGE-EDDY SIMULATION OF CROSS-SHORE HYDRODYNAMICS UNDER RANDOM WAVES IN THE SURF AND SWASH ZONES Tsai, Rafati, Hsu, Pontiki, Puleo, Lee, Wengrove, Cox	ASSESSMENT OF DUNE VULNERABILITY TO EXTREME EVENTS IN NEW JERSEY, US USING STORM EROSION INDEX Lemke, Miller	OBSERVATION OF SHORELINE AND UPPERBEACH VEGETATION EVOLUTION BY VIDEO: FIELD ASSESSEMENTS IN THE CARIBBEAN Laigre, Balouin, Villarroel-Lamb, Moisan
16:40	FIELD OBSERVATIONS OF THE EVOLUTION OF BREAKING-WAVE SHAPES O'Dea, Brodie, Elgar	ACCURATE CELERITY EXTRACTION FROM REMOTE SENSED BATHYMETRIC-INVERSION ALGORITHM Oades, Mulligan, Palmsten	
17:00	Poster Session 3		

Wednesday 30 June 2021 (Day 3)

	ROOM A	ROOM B	ROOM C
08:40 – 10:00	<p>Session 4a Typhoons & Tsunamis <i>Chair: Ap van Dongeren</i></p>	<p>Session 4b Long-term Shoreline Change <i>Chair: Ad Reniers</i></p>	<p>Session 4c Deltas & Estuaries <i>Chair: Dano Roelvink</i></p>
08:40	<p>MODELLING FLOATING DEBRIS AND INDUCED BUILDING DAMAGE DURING A TSUNAMI EVENT Xiong, Zheng, Liang, Wang</p>	<p>SHORELINE CHANGES OF A SANDY BEACH WITH BREAKWATERS AFTER THE 2011 GREAT EAST JAPAN EARTHQUAKE Quang, Takewaka</p>	<p>LONG TERM MORPHODYNAMIC MODELLING OF THE BANGLADESH DELTA SYSTEM Roelvink, Rahman, Van der Wegen, Reyns, Mahamud, Arefin</p>
09:00	<p>A NUMERICAL INVESTIGATION OF WAVE RUNUP DURING EXTREME TYPHOONS IN 2019 Matsuba, Shimozono, Tajima</p>	<p>ENSO CONTROLS ON INTER-ANNUAL SHORELINE CHANGES AROUND THE PACIFIC RIM Vos, Splinter, Harley, Turner</p>	<p>ADAPTATION PATHWAYS FOR SANDY COASTS UNDER EXTREME ACCELERATED SEA LEVEL RISE De Winter, Haasnoot, Luijendijk</p>
09:20	<p>2020 CYCLONE AMPHAN: ITS CHARACTERISTICS AND COMPARISON WITH SIMILAR HISTORICAL EVENTS Meng, Liu, Hussain</p>	<p>UNCERTAINTIES IN SHORELINE PROJECTIONS TO 2100 AT TRUC VERT BEACH (FRANCE): THE INFLUENCE OF SEA-LEVEL RISE AND EQUILIBRIUM MODEL ASSUMPTIONS D'Anna, Castelle, Idier, Rohmer, Le Cozannet, Thieblemont, Bricheno</p>	<p>LONG-TERM MORPHODYNAMICS OF A LARGE ESTUARY SUBJECT TO DECREASING SEDIMENT SUPPLY AND SEA LEVEL RISE Yuan, Sun, Lin, Zhang</p>
09:40		<p>HIGH-RESOLUTION MODELING OF SURF ZONE DYNAMICS DRIVEN BY PLUNGING IRREGULAR WAVES Lowe, Altomare, Buckley, Da Silva, Hansen, Rijnsdorp, Domínguez, Crespo</p>	<p>SEA LEVEL RISE IMPACT ON THE MORPHOLOGICAL EVOLUTION OF INTERTIDAL SHOALS Elmilady, Van der Wegen, Roelvink, Van der Spek</p>
10:00	<p>Keynote: Dr. Jennifer Irish (Virginia Tech) Recent Advances and Future Challenges in Coastal Storm Inundation</p>		
10:30	<p>Coffee break & Poster Session 4</p>		

11:00 – 12:40	<p>Session 5a Coral Reefs <i>Chair: Marion Tissier</i></p>	<p>Session 5b Alongshore Variability <i>Chair: Francesca Ribas</i></p>	<p>Session 5c Mangroves, Mud & Salt Marshes <i>Chair: Nobuhito Mori</i></p>
11:00		<p>QUICK REACTION FORCE EG-MOND AAN ZEE: CAPTURING THE ALONGSHORE VARIABILITY IN STORM EROSION</p> <p>Price, Grasmeijer, Quataert, Hoegen, Van der Veen, Van Maarseveen, De Zeeuw, Hoogland</p>	<p>MODELLING SALT MARSH RETREAT AND EXPANSION IN DELFT3D - FLEXIBLE MESH</p> <p>Willemsen, Smits, Borsje, Herman, Dijkstra, Bouma, Hulscher</p>
11:20	<p>NONLINEAR SPECTRAL ANALYSIS OF WAVE TRAINS OVER FRINGING REEFS</p> <p>Brühl, Wahls, Tissier</p>	<p>ALONGSHORE SANDBAR AND SHORELINE RHYTHMICITY AT AN OPEN, MEDITERRANEAN BEACH</p> <p>De Swart, Ribas, Calvete, Simarro, Guillén</p>	<p>MULTI-TIME SCALE MANGROVE-MUDFLAT MODELLING: EXPLORING GUYANA'S UNIQUE DATASET & NUMERICAL MODELLING</p> <p>Best, Van der Wegen, Dijkstra, Reyns, Roelvink</p>
11:40	<p>INFLUENCE OF WATER LEVEL ON WAVE TRANSFORMATION OVER LA SALINE FRINGING REEF (LA RÉUNION ISLAND, FRANCE)</p> <p>Floc'h, Bruch, Cordier</p>	<p>MODELLING THE OBSERVED EVOLUTION OF TIDAL SAND WAVES IN THE NORTH SEA</p> <p>Krabbendam, Nnafie, Perk, Borsje, De Swart</p>	<p>A NEW BIOPHYSICAL MODEL FOR SEEDLING ESTABLISHMENT AND FOREST DEVELOPMENT IN MANGROVES</p> <p>Gijsman, Horstman, Willemsen, Swales, Wijnberg</p>
12:00	<p>HYBRID METHODS TO DOWNSCALE SWELLS TO CORAL REEF-LINED COASTS</p> <p>Ricondo, Rueda, Ripoll, Cagigal, Méndez</p>	<p>IMPRINT OF OFFSHORE WIND IN THE MORPHODYNAMIC OF A MICROTIDAL MEDITERRANEAN COASTAL SYSTEM</p> <p>Feyssat, Certain, Robin, Raynal, Aleman, Hebert</p>	<p>RESTORING MUD-MANGROVE COASTLINES WITH BAMBOO STRUCTURES</p> <p>Gijón Mancheño, Reniers, Tas, Van Bijsterveldt, Winterwerp, Herman, Muskananfolo</p>
12:20	<p>RAPID PREDICTION OF WAVE RUNUP AND FLOODING ON REEF-LINED COASTS</p> <p>McCall, Pearson, Roelvink, Antolinez, Storlazzi, De Goede, Scott</p>	<p>MODELLING THE COUPLED TIDAL SAND RIDGES AND SHORELINE MORPHODYNAMICS: APPLICATION TO THE BELGIUM COAST</p> <p>Nnafie, De Swart, Falqués, Calvete</p>	<p>INTEGRATING UAV AND SATELLITE IMAGERY: MANGROVE-MUDFLAT EVOLUTION ON A PROGRADING DELTA</p> <p>Beselly, Van der Wegen, Roelvink, Grueters, Dijkstra, Reyns</p>
12:40	Lunch break		
	<p>Session 6a Sediment transport <i>Chair: Stefan Aarninkhof</i></p>	<p>Session 6b Dune erosion & overtopping <i>Chair: Brad Johnson</i></p>	<p>Session 6c Nourishments I <i>Chair: Arjen Luijendijk</i></p>
13:50	<p>MEASURING SHOREFACE SEDIMENT TRANSPORT AT COSTINHA BEACH, AVEIRO</p>	<p>DEVELOPMENT OF A NATIONAL COASTAL FLOOD RISK ASSESSMENT FRAMEWORK FOR THE DUTCH COAST USING XBEACH</p>	<p>EXPERIMENTAL INVESTIGATION OF SHOREFACE NOURISHMENT SCENARIOS</p>

	Romão, Silva, Rato, Cascalho, Silva, Tabora, Baptista	Wilmink, McCall, De Bakker, Steetzel, Van Santen	Larsen, Carstensen, Carstensen, Van der A, Fuhrman
14:10	THE EFFECT OF THE ORIENTATION AND SPACING OF BUILDINGS AT THE BEACH ON AEOLIAN DEPOSITION PATTERNS Poppema, Wijnberg, Mulder, Hulscher	PREDICTING DUNE RESPONSE TO STORMS USING TYPOLOGICAL COASTAL PROFILES Athanasίου, Van Dongeren, Giardino, Ranasinghe, Voudoukas	QUANTIFYING PARAMETER UNCERTAINTY IN COASTAL AREA PREDICTIONS Christiaanse, Kroon, Lujendijk, De Schipper
14:30	LIDAR MEASUREMENTS OF AEOLIAN SALTATION AND WIND FORCING ON AN INTERMEDIATE BEACH Cohn, Dickhudt, Brodie	ASSESSMENT OF WAVE OVERTOPPING BASED ON NUMERICAL MODELLING AND HISTORIC EVENTS FOR AN EARLY WARNING SYSTEM Ferreira, Garzon, Ferreira, Fortes, Reis	MODELLING THE EFFECT OF SEA-LEVEL VARIATIONS ON THE LONG-TERM EVOLUTION OF THE ZANDMOTOR MEGANOURISHMENT Ribas, Portos-Amill, Falqués, Ariaga, Marcos, Ruessink
14:50	SEDIMENT FLUX VARIABILITY IN THE PROXIMITY OF DUNES Pontiki, Puleo, Lee, Wengrove, Huff, Feagin, Rafati, Hsu	DUNE FOOT DYNAMICS ALONG THE BELGIAN COAST Strypsteen, Roest, Dan, Bonte, Rauwoens	SAND REDISTRIBUTION MECHANISMS AT SHOREFACE NOURISHMENTS Huisman, Walstra, Radermacher, De Schipper, Ruessink
15:10	Coffee break & Poster Session 5		
15:40 – 17:00	Session 7a Subaqueous sediment <i>Chair: Jack Puleo</i>	Session 7b Coastal Risk <i>Chair: Peter Ruggiero</i>	Session 7c Nourishments II <i>Chair: Kate Brodie</i>
15:40	MODELING THE PROBABILITY OF WAVE-GENERATED RIPPLE GEOMETRY AND EVOLUTION Penko, Kearney, Phillip	MODELING THE HYDRODYNAMICS OF A TIDAL INLET DURING STORMS Velasquez-Montoya, wargula, Torres, Sciaudone, Tomiczek, Smyre	OBSERVATIONS OF SHORELINE RESPONSE TO A SHALLOW NEARSHORE BERM NOURISHMENT De Schipper, Onnink, Bruder, Brodie, Hopkins, Voorendt, Aaminkhof
16:00	INVESTIGATING SHEET FLOW UNDER A NEAR-BREAKING TRANSIENT WAVE USING A TWO-PHASE EULERIAN SEDIMENT TRANSPORT MODEL Delisle, Kim, Mieras, Gallien	THE IMPACTS OF HURRICANES IRMA AND MARIA ON COASTAL HAZARD RISK Reguero, Storlazzi, Viehman, Martin, Cumming, Cole, Gaido, Beck	COASTAL EROSION MITIGATION BASED ON ARTIFICIAL NOURISHMENTS AND SAND BYPASSING SYSTEMS: BARRA VAGUEIRA, PORTUGAL Ferreira, Coelho, Silva
16:20	LARGE-SCALE LABORATORY OBSERVATIONS OF SANDBAR FORMATION, OFFSHORE MIGRATION, AND GROWTH DURING A DUNE SCARPING EVENT Lee, Wengrove, Cox, Pontiki, Puleo, Hsu, Rafati	FLOODING AND EROSION VULNERABILITY AND RISK IN A CHANGING CLIMATE: SHAKTOOLIK, AK Osborne, Elder, Kelly, Capstick, Breach, Murray, Garrigus, Pearson, Mitchells	THE EFFECT OF MEGANOURISHMENTS ON LONG-TERM BEHAVIOR OF EBB-TIDAL DELTAS Van der Vegt, Lenstra

16:40	<p>BEACH DUNE SUBSURFACE HYDRODYNAMIS AND THE FORMATION OF DUNE SCARPS</p> <p>Wengrove, Bond, Pontiki, Puleo</p>	<p>COMBINING A STOCHASTIC CLIMATE EMULATOR WITH SURROGATE MODELS OF DYNAMIC COASTAL SIMULATORS TO DRIVE COASTAL FLOOD IMPACTS RESEARCH</p> <p>Ruggiero, Anderson, Anderson, Mendez, Rueda, Cagigal, Leung, Barnard, Merrifield, Marra</p>	<p>BEACH WIDTH CHANGE AND VOLUME LOSS OBSERVATIONS AT A LARGE NOURISHED BEACH</p> <p>Kroon, De Schipper, Pak, Spaans, De Vries, Aarninkhof</p>
17:00	Poster session 6		

Thursday 1 July 2021 (Day 4)

	ROOM A	ROOM B	ROOM C
08:40 – 10:00	<p>Session 8a Aeolian sediment Transport <i>Chair: Gerben Ruessink</i></p>	<p>Session 8b Coastal Warnings <i>Chair: Mitch Harley</i></p>	<p>Session 8c Nature-based Solutions <i>Chair: Robert McCall</i></p>
08:40	<p>THE ERODIBILITY OF BEACH SEDIMENT BY AEOLIAN FORCING MEASURED IN-SITU WITH A MOBILE WIND TUNNEL De Vries, Van IJzendoorn, Banger, Dijkstra, Hallin</p>	<p>IMPACTS OF PACIFIC AND SOUTHERN OCEAN CLIMATE MODES ON NEW SOUTH WALES TIDAL RESIDUALS, AUSTRALIA Viola, Verdon-Kidd, Power</p>	<p>WAVE ATTENUATION BY VEGETATION UNDER FOLLOWING AND OPPOSING CURRENTS: AN ENERGY BALANCE ANALYSIS Van Rooijen, Lowe, He, Tan, Ghisalberti</p>
09:00	<p>GRAIN SIZE DYNAMICS IN THE INTERTIDAL ZONE: VERTICAL VARIABILITY DUE TO MARINE AND AEOLIAN PROCESSES Van IJzendoorn, Hallin, Vos, De Vries</p>	<p>PROPOSAL AND VERIFICATION OF RIP CURRENT DETECTION USING AI Ishikawa, Shimada, Sawagashira, Komine</p>	<p>TURBULENCE IN LARGE-AMPLITUDE OSCILLATORY FLOW OVER CYLINDER ARRAYS Neshamar, Van der A, O'Donoghue</p>
09:20	<p>NUMERICAL MODELLING OF BLOWOUT FORMATION IN COASTAL DUNES Meijer, De Vries, Reniers, Van IJzendoorn, Van Westen</p>	<p>EVALUATION OF A PROTOTYPE EROSION 'HOT-SPOT' EARLY WARNING SYSTEM Matheen, Turner, Harley, Splinter, Thran</p>	<p>ENHANCING BEACH ACCRETION ON MACROTIDAL ENVIRONMENTS THROUGH NATURE-BASED SOLUTIONS Pellón, Aniel-Quiroga, González, Medina</p>
09:40	<p>SIMULATING AEOLIAN TRANSPORT DURING MOIST BEACH SURFACE CONDITIONS Hallin, Van IJzendoorn, Vos, De Vries</p>	<p>A THRESHOLD-BASED APPROACH TO PREDICTING STORM-DRIVEN BEACH EROSION HAZARDS Leaman, Splinter, Harley, Thran, Turner</p>	<p>MORPHODYNAMIC RESPONSE OF A PROTOTYPE DYNAMIC COBBLE BERM REVETMENT CONSTRUCTED USING ANGULAR, POORLY SORTED MATERIAL Foss, Blenkinsopp, Bayle, Martins, Almeida, Schimmels</p>
10:00	<p>Sand Motor Congress</p> <p>Opening – Ministry of Infrastructure and Water Management & Provincie Zuid-Holland Interview Carola van Gelder-Maas (Rijkswaterstaat) Video message by Henk Ovink (Dutch Special Envoy for International Water Affairs)</p>		
11:00	<p>Coffee break & Poster Session 7</p>		
11:30	<p>Sand Motor Congress</p> <p>Reflecting forward on the Sand Motor – Keynote Annemieke Nijhof (Director of Deltares) Scientific Reflection Sand Motor – Stefan Aarninkhof (Prof. Coastal Engineering, TU Delft)</p>		

	Sand Scaping Scheme in Bacton, UK - Rob Goodliffe (Coastal manager North-Norfolk)		
12:40 – 13:50	Lunch break		
	Session 9a Wave climate & Forecasting <i>Chair: Xavier Bertin</i>	Session 9b Dunes <i>Chair: Sierd de Vries</i>	Session 9c Ships and Windfarms <i>Chair: Dirk Rijnsdorp</i>
13:50	HYTCWAVES: A HYBRID METHODOLOGY FOR DOWNSCALING TROPICAL CYCLONE INDUCED WAVE CLIMATE Van Vloten, Ripoll, Mendez, Rueda, Cagigal	DUNE EVOLUTION DERIVED FROM 15 YEARS OF HIGH-RESOLUTION LIDAR MEASUREMENTS Karlsson, Sørensen	ASSESSING THE INFLUENCE OF OFFSHORE DISTANCE OF WAVE FARMS: A COMPARISON OF PHASE-AVERAGED AND PHASE RESOLVING MODELS David, Rijnsdorp, Hansen, Lowe
14:10	REAL-TIME FORECAST MODELS FOR COASTAL PROCESSES NESTED IN A SUITE OF BASIN SCALE MODELS Zarillo, Habib	SPANJAARDS DUIN, A DUTCH NATURE COMPENSATION PROJECT IJff, Van Eerden, Borst, Van Der Valk, Van Der Meulen, Hendriksen, Poot, Arens, Eleveld	EFFECT OF DREDGING STRATEGIES ON SILT CONCENTRATIONS IN THE WADDEN SEA NEAR HOLWERD Grasmeijer, Van Weerdenburg, Van Kessel, Herman, Vroom, Lofvers, Mulder
14:30	HYDRODYNAMIC MODELS ENSEMBLE TO FORECAST FUTURE ESTUARINE CIRCULATION PATTERNS Iglesias, Pinho, Bio, Avilez-Valente, Melo, Vieira, Bastos, Veloso-Gomes	ANALYSIS OF DUNE DEVELOPMENT AND THE EFFECTS OF SAND TRAPPING FENCES ON THE EAST FRISIAN ISLANDS OF JUIST AND LANGEOOG Zander, Thorenz, Schüttrumpf	SIMULATING SHIP WAVES IN SHELTERED WATERWAYS WITH XBEACH Almström, Roelvink, Larson
14:50	MACHINE LEARNING IMPROVES NORTH SEA WAVE FORECASTS De Ridder, Den Bieman, Gautier, Van Nieuwkoop	MARINE AND AEOLIAN PROCESSES IN THE COASTAL ZONE DESCRIBED IN A COUPLED MODEL Van Westen, Leijnse, Ton, McCall, De Vries, Cohn, Meijer	
15:10	Coffee break & Poster Session 8		
15:40 – 17:00	Session 10a Nearshore Hydrodynamics <i>Chair: Melissa Moulton</i>	Session 10b Shorelines <i>Chair: Per Sørensen</i>	Session 10c Reef-lined islands <i>Chair: Borja Reguero</i>
15:40	MODELING OF PEAK STORM SURGES IN COASTAL VIRGINIA USING MACHINE LEARNING Lee, Irish, Bensi, Marcy	ENHANCING THE FREE-FORM COASTLINE EVOLUTION MODEL, SHORELINES, PREDICTABILITY USING DATA ASSIMILATION Saleh, El Serafy, Vitousek, Elghandour, Reyns, Roelvink, Corzo	ALONGSHORE VARIATION OF WIND-AND WAVE DRIVEN CONTRIBUTIONS TO TOTAL WATER LEVELS Quataert, Roelvink, Van Ormondt, Van Dongeren

16:00	<p>WIND AND WAVE-DRIVEN NEARSHORE CURRENTS</p> <p>Johnson, Cohn, Bak, Dickhudt</p>	<p>SATELLITE-BASED SHORELINE DETECTION FOR MACRO-TIDAL COASTS: IMPACTS OF MORPHOLOGICAL AND HYDRODYNAMIC SETTING</p> <p>Konstantinou, Scott, Masselink, Conley, Stokes, Castelle</p>	<p>MORPHODYNAMIC EVALUATION OF ADAPTATION STRATEGIES FOR MITIGATING THE IMPACT OF SEA LEVEL RISE ON CORAL REEF ISLANDS</p> <p>Roelvink, Masselink, Conley, McCall, Poate, Scott, Stokes</p>
16:20	<p>FLOW AND FRICTION IN THE SWASH ZONE: INSIGHTS FROM A LARGE-SCALE EXPERIMENTAL STUDY</p> <p>Pujara</p>	<p>THE EMERGING EARTH OBSERVATION POTENTIAL FOR THE COASTAL RESEARCH COMMUNITY</p> <p>Luijendijk, Kras, Moreno-Rodenas, Donchyts</p>	<p>NEARSHORE DRIFT DYNAMICS OF SEAWEED AT A REEF-LINED COAST</p> <p>Rutten, Arriaga, Escalante, Appendini</p>
16:40	<p>SHORT-CRESTED WAVE BREAKING, EDDIES, AND TRANSIENT RIP CURRENTS IN A LABORATORY WAVE BASIN</p> <p>Baker, Nuss, Brodie, Palmsten, Moulton</p>	<p>DOMINANCE OF SEASONAL SHORELINE VARIABILITY TO SHORT-TERM STORM-INDUCED BEACH EVOLUTIONS. CASE STUDY AT LE CARBET BEACH, MARTINIQUE</p> <p>Bouvier, Valentini, Lecacheux, Robinet</p>	<p>WAVE DISSIPATION AND MEAN CIRCULATION OVER A ROCKY SHORE PLATFORM UNDER STORM CONDITIONS</p> <p>Lavaud, Bertin, Martins, Coulombier, Dausse, Pezerat</p>
17:00	Conference reception		

Sand Motor Congress workshops - Thursday 1 July

	Session SM-A	Session SM-B	Session SM-C	Session SM-D
13:50 - 15:10	<p>Sand, Sea, Life</p> <p>Ecology and Morphology</p> <p>(Live & online)</p>	<p>An attractive area</p> <p>Socioeconomic Effects</p> <p>(Live & online)</p>	<p>Management and planning</p> <p>Effective Management</p> <p>(Only live)</p>	<p>Science, innovation and export</p> <p>Knowledge development, innovation and application abroad</p> <p>(Only live)</p>
15:40 - 17:00	<p>Sand, Sea, Life</p> <p>Ecology and Morphology</p> <p>(Only live)</p>	<p>An attractive area</p> <p>Socioeconomic Effects</p> <p>(Only live)</p>	<p>Management and planning</p> <p>Effective Management</p> <p>(Live & online)</p>	<p>Science, innovation and export</p> <p>Knowledge development, innovation and application abroad</p> <p>(Live & online)</p>

Friday 2 July 2021 (Day 5)

	ROOM A	ROOM B	ROOM C
08:40 – 10:00	<p>Session 11a Nearshore Sediment Transport <i>Chair: Ryan Lowe</i></p>	<p>Session 11b Beaches and Dunes <i>Chair: Kathelijne Wijnberg</i></p>	<p>Session 11c Climate Change Effects <i>Chair: Renske de Winter</i></p>
08:40	<p>HYDRO-SEDIMENTARY DYNAMICS OF THE LOWER SHOREFACE UNDER STORM CONDITIONS Pezerat, Bertin, Coulombier</p>	<p>NUMERICAL STUDY OF WAVE TRANSFORMATIONS AND RUNUP VARIABILITY ALONG AN EMBAYED BEACH - GRANDE PLAGUE OF BIARRITZ, FRANCE Pinault, Morichon, Roeber, Delpey</p>	<p>UNCERTAINTY IN REGIONAL SEA LEVEL RISE DUE TO CLIMATE CHANGE AROUND THE EAST ASIA Miyauchi, Mori, Shimura, Tatebe</p>
09:00	<p>TRANSPORT AND DYNAMICS OF SAND MIXTURES IN OSCILLATORY FLOW Boscia, Van der A, O'Donoghue</p>	<p>DUNE EROSION DURING STORM SURGES Van Wiechen, Scheijmans, Wilmink, De Vries, Aarninkhof</p>	<p>CLIMATOLOGICAL MODELING OF MAXIMUM STORM SURGE HEIGHTS INDUCED BY TROPICAL CYCLONES Mori, Ariyoshi, Shimrua, Miyashita, Ninomiya</p>
09:20	<p>LARGE-SCALE LABORATORY EXPERIMENTS: THE EFFECT OF BED SLOPE ON CROSS-SHORE SWASH ZONE MORPHODYNAMICS Dionísio António, Van Der Werf, Horstman, Cáceres, Alsina, Hulscher</p>	<p>THE USE OF UAV LOW FLIGHTS TO MONITOR COASTAL DUNES Bon de Sousa, Costas, Ferreira</p>	<p>MODELLING THE SALINITY RESPONSE TO FRESH WATER FLOW AND VARIABLE TIDAL AMPLITUDE IN AN IDEALIZED RIVER DELTA Matsoukis, Amoundry, Bricheno, Leonardi</p>
09:40	<p>TURBULENCE RESOLVING TWO-PHASE FLOW SIMULATIONS OF SHEET-FLOWS UNDER WAVES Mathieu, Cheng, Chauchat, Bonamy, Hsu</p>	<p>DUNE IN FRONT OF A DIKE: ON THE DESIGN AND INITIAL MONITORING OF A SPECIFIC STUDY SITE FOR EARLY-STAGE DUNE GROWTH IN BELGIUM Rauwoens, Bonte, Provoost, Verwaest, Muylaert, Strypsteen, Van Besien</p>	
10:00	<p>Keynote: Dr. Nadia Sénéchal (Bordeaux University) Mastering Complexity through Simplification: a challenge for coastal research</p>		
10:30	<p>Coffee break</p>		
11:00 – 12:00	<p>Session 12a</p>	<p>Session 12b Miscellaneous</p>	<p>No session</p>

	<p>Estuarine Sediment Transport</p> <p><i>Chair: Maarten van der Vegt</i></p>	<p><i>Chair: Ad Reniers</i></p>	
11:00	<p>LAGRANGIAN SEDIMENT TRANSPORT MODELLING AS A TOOL FOR INVESTIGATING COASTAL CONNECTIVITY</p> <p>Pearson, Elias, Van Ormondt, Roelvink, Lambregts, Wang, Van Prooijen</p>	<p>LONG-TERM MONITORING OF BEACH TOPOGRAPHY AND NEARSHORE BATHYMETRY AT PORSMILIN, FRANCE: CHALLENGES AND OPPORTUNITIES</p> <p>Bertin, Floc'h, Le Dantec, Jaud, Delacourt</p>	
11:20	<p>ASYMMETRIC TIDAL DUNES IN EQUILIBRIUM AND DISEQUILIBRIUM WITH ESTUARINE HYDRODYNAMICS AND THE EFFECT ON SEDIMENT TRANSPORT</p> <p>Herring, Becker, Lefebvre, Zorndt, Winter</p>	<p>MORPHOLOGIC EVOLUTION OF SPITS IN MICRO-TIDAL COASTAL ENVIRONMENTS</p> <p>Kroon, Rossel, Westh</p>	
11:40	<p>MODELLING THE FORMATION OF ESTUARINE SAND DUNES: THE INFLUENCE OF THE GRAVITATIONAL CIRCULATION</p> <p>Van der Sande, Roos, Hulscher, Gerkema</p>	<p>A DATA-DRIVEN MORPHOLOGICAL APPROACH TO REDUCE RISKS FOR WIND FARMS IN DYNAMIC COASTAL REGIONS</p> <p>Scheel, Luijendijk, Waßmuth, Riezebos</p>	
12:00	Conference Closure & Award Ceremony		
12:40	Lunch break		
14:00	Sand Motor Fieldtrip		
17:15	Beach BBQ		

Poster Sessions

Poster Session 1

Tuesday 29 June, 10:30-11:00

ELUCIDATION OF THE STRONG WAVE-CURRENT INTERACTION IN A HIGHLY TURBID AND TIDALLY-DOMINATED COASTAL AREA IN THE BAY OF BENGAL	Bobiles, Sanuki, Sato, Nakayama, Takae
VARIABILITY OF LONG-TERM PATTERNS OF WAVE-DRIVEN LONGSHORE SEDIMENT TRANSPORT, ESTIMATION AND UNCERTAINTY ANALYSIS	Zarifsanayei, Antolínez, Etemad-Shahidi, Cartwright, Strauss
WHEN SHOULD WE MATTER ON NEARSHORE BAR EFFECTS ON RUNUP?	Bruyere, Sénéchal, Power, Nicolae Lerma, Gomes Da Silva
BED SLOPE IMPACT ON WAVE NONLINEARITIES IN MACRO-TIDAL ENVIRONMENT	Hayoun, Floc'h, Delacourt, Filipot, Caulet
EXAMINING THE POTENTIAL OF MEDIUM RESOLUTION SATELLITE IMAGERY FOR HIGH FREQUENCY OBSERVATION OF NEARSHORE SANDBARS	Janušaitė, Jarmalavičius, Jukna

Poster Session 2

Tuesday 29 June, 15:10-15:40

USE OF AN INDEX TO IDENTIFY, ASSESS, AND MONITOR DUNE VEGETATION DISTURBANCE	Talavera, Costas, Ferreira, Bon de Sousa, Ramires, Carrasco
QUANTITATIVE IMPACT OF WIND DIRECTION ON AIRFLOW PATTERNS AND BED MORPHOLOGY AROUND BUILDINGS AT THE BEACH	Pourteimouri, Campmans, Wijnberg, Hulscher
IMPACTS OF CLIMATE CHANGE ON THE MINHO ESTUARY MORPHODYNAMICS	Melo, Pinho, Iglesias, Bio, Nakayama, Takae, Veloso-Gomes
CALIBRATING A LONG-TERM XBEACH MORPHOLOGY MODEL OF MAASVLAKTE 2, LESSONS LEARNED	Attema, Van Leeuwen, Roelvink
FACTORS REGULATING SEDIMENT FLUXES OVER AN ENGINEERED FOREDUNE AND ADJACENT DUNE SLACK	Oude Vrielink, Wijnberg, Galiforni-Silva, Eleveld, Van Westen
HOW TO INTERPRET NONLINEAR FOURIER SPECTRA OF DEEP WATER WAVES	Wahls, Chimmalgi
SATELLITE-BASED TOPOGRAPHY EVOLUTION: AN APPLICATION TO MONITOR COASTAL CHANGES AT SAINT LOUIS REGION, LANGUE DE BARBARIE, SENEGAL	Taveneau, Almar, Bergsma
NUMERICAL MODELLING OF SHALLOW JET FLOWS	Steenman

Poster Session 3

Tuesday 29 June, 17:00-18:00

FIRST INSIGHTS INTO RIP CURRENTS PROBLEMATICS ON THE ROMANIAN BLACK SEA COAST	Tatui, Zăinescu, Constantin, Vespremeanu-Stroe, Vaidianu, Preoteasa
SALT MARSH RESILIENCE TO SEA-LEVEL RISE AND INCREASED STORM INTENSITY	Pannozzo, Leonardi, Carnacina, Smedley
MODELLING STORM-DRIVEN EROSION IN STEEP BEACHES	Garzon, Ferreira, Plomaritis
WIND-DRIVEN SURFACE WAVES AND COASTAL CIRCULATION OVER THE CONTINENTAL SLOPE AND SHELF DURING HURRICANE FLORENCE	Manchia, Mulligan
SPATIO-TEMPORAL RIP CURRENT VARIATIONS FROM UAV VIDEO IMAGERY	Gracia-Barrera, Ruiz de Alegría-Arzaburu, Arriaga, Kono-Martínez
MEASUREMENT AND MODELING OF INTRA-EVENT PROCESSES ON A STEEP BEACH	Amante, Mazur, Puleo, Smallegan, Webb
ALONGSHORE RUNUP VARIATIONS ON A BEACH WITH RIP-CURRENTS	Ruiz de Alegría-Arzaburu, Gracia-Barrera, Kono-Martínez
HYDRODYNAMIC MODELLING OF MANAGED DIKE REALIGNMENT FOR FLOOD MITIGATION IN A TIDAL RIVER ESTUARY AND FLOODPLAIN	Purcell, Van Proosdij, Graham, Mulligan

Poster Session 4

Wednesday 30 June 10:30-11:00

SEA-LEVEL VARIABILITY FROM COAST TO ESTUARY	Palmer, Hart, Broadfoot, Hanslow, Power
NEARSHORE WAVE PREDICTION FROM REAL-TIME ONE-WEEK AHEAD GLOBAL WAVE FORECAST USING GROUP METHOD OF DATA HANDLING	Kim, Takeda, Hara, Tom, Mase
CHARACTERISTICS OF CHANNEL SEDIMENTATION IN THE HIGHLY TURBID AND TIDALLY-DOMINATED COASTAL AREA OF BANGLADESH	Sanuki, Bobiles, Sato, Nakayama, Takae
SIMULATING PLUNGING BREAKING WAVES WITH AN ISOTROPIC REYNOLDS STRESS TURBULENCE MODEL	Li, Fredberg, Larsen, Fuhrman
ANALYSIS OF NONLINEAR SHIP-INDUCED 3D WAVE FIELDS USING NONLINEAR FOURIER TRANSFORMS	Zhang, Wahls, Brühl
EXPLORING RIVER JET AND LONGSHORE CURRENT INTERACTIONS AT WAVE-INFLUENCED RIVER MOUTHS	Zăinescu, Vespremeanu-Stroe, Tătui, Anthony
FLOOD PROTECTION VERSUS SAND NUISANCE; A CONFLICT OF INTEREST.	Roest, Strypsteen, Rauwoens

Poster Session 5

Wednesday 30 June, 15:10-15:40

EROSION ASSESSMENT IN A MICROTIDAL SAND SPIT BY MEANS OF DUNE FOOT VARIATIONS	Montes, Benavente, Plomaritis, Del Río
INITIAL MIXED-SAND RESPONSE OF A BACK-BARRIER BEACH NOURISHMENT	Bosma, Price, Van der Lugt, Kleinhans, Van Maarseveen
DOES VEGETATION MAKE COASTAL DUNES MORE RESISTANT TO STORM INDUCED EROSION?	Costas, Garzon, Ferreira
NONLINEAR FOURIER ANALYSIS OF ROGUE WAVE MEASUREMENTS	Lee, Brühl, Doong, Wahls
DISCRETE FREQUENCY DOWNSHIFTING IN WAVE SPECTRA ON SHALLOW WATER	Saprykina, Kuznetsov, Shtremel
COASTAL BATHYMETRY ESTIMATION FROM SATELLITE IMAGERY USING DEEP CONVOLUTIONAL NEURAL NETWORKS	Al Najar, Thoumyre, Almar, Bergsma, Benschila, Wilson
ENVIRONMENTAL STRAIN ON BEACH ENVIRONMENTS RETRIEVED AND MONITORED BY SPACE-BORNE SYNTHETIC APERTURE RADAR.	Hanssen, Di Biase

Poster Session 6

Wednesday 30 June, 17:00-18:00

MAPPING COASTAL BATHYMETRY BY LAYMEN USING DRONE VIDEO AND AN UNSUPERVISED DEPTH INVERSION ALGORITHM	Gawehn, De Vries, Aarninkhof
COUPLED BEHAVIOUR OF SURF-SWASH ON LOW TIDE TERRACE BEACHES	Mingo, Lacaze, Almar
FRACTIONAL TRANSPORT IN MIXED SIZE SEDIMENT BEDS	Ferreira, Silva, Bernabeu, Abreu
PRESSURE GRADIENTS UNDER DAM BREAK DRIVEN SWASH	Olney, Puleo, Torres-Freymuth
URBAN COASTAL FLOODING PATHWAYS DURING STORM EVENTS	Mazur, Amante, Puleo, Shi, Smallegan, Webb
BEACH PROFILE EVOLUTION AND WAVE RUNUP DETECTION USING A RAPID-DEPLOYABLE LINE-SCANNING LOW-COST (LLC) LIDAR SYSTEM	O'Connor, Mieras
AUTOMATIC CLASSIFICATION OF SPATIO-TEMPORAL BED CHARACTERISTICS FROM REMOTE IMAGERY ON A COASTAL BEACH	Rivera-Casillas, Cohn, Brodie
QUANTIFYING NON-LINEAR NEARSHORE WAVEFORMS FROM OBSERVATIONS	Kalra, Warner, Sherwood, Suttles
RECOVERY OF EROSIONAL FEATURES FOLLOWING HURRICANE DORIAN	Hegermiller, Warner, Sherwood, Aretxabaleta
MANAGING DYKE RETREAT: IMPORTANCE OF CHANNEL NETWORK EVOLUTION AND MAINLAND SLOPE ON STORM SURGE DISSIPATION OVER SALT MARSHES	Pinton, Xu, Canestrelli

Poster Session 7

Thursday 1 July, 11:00-11:30

CAN WE USE WAVE SHAPE PARAMETERIZATIONS ON LOW- AND MIXED-ENERGY SHELTERED BEACHES?	Van Der Lugt, Ton, De Schipper, Bosma, Aarninkhof
THE USE OF OPTICAL FLOW TO ESTIMATE NEARSHORE SURFACE CURRENTS FROM VIDEO IMAGERY	Rodríguez-Padilla, Castelle, Marieu, Bonneton, Mouragues, Martins, Morichon
SENSITIVITY OF NEAR-INFRARED PERMANENT LASER SCANNING INTENSITY TO RETRIEVE SOIL MOISTURE AND ELECTRICAL CONDUCTIVITY ON A COASTAL BEACH: CALIBRATION PROCEDURE USING IN SITU DATA	Di Biase, Hanssen, Vos
GRAIN SIZE AS AN INDICATOR FOR SEDIMENT TRANSPORT: AN INTENSIVE SPRING-NEAP-SPRING FIELD CAMPAIGN AT AN INTERTIDAL BARRED BEACH	Rauwoens, Strypsteen
WAVE CLIMATE VARIABILITY AND LONGSHORE SEDIMENT TRANSPORT ON THE DOCE RIVER DELTA COAST (BRAZIL)	Polizel, Burningham
ASSESSING THE ROLE OF EXTREME MEDITERRANEAN STORM ON A COASTAL RIVER OUTLET DYNAMIC	Meslard, Balouin, Robin, Bourrin
STATISTICAL WAVE PROPERTIES IN SHALLOW WATER USING CNOIDAL THEORY	Cervantes, Kalisch, Lagona, Paulsen, Roerber

Poster Session 8

Thursday 1 July, 15:10-15:40

UAVS FOR STRUCTURE-FROM-MOTION GRAVEL POCKET BEACH MONITORING	Ružić, Ilic, Tadić, Krvavica, Carević, Benac
NEW DEVELOPMENTS IN DUTCH COASTAL MONITORING	Vos, Bosma, Gawehn, Goessen, Kuschnerus, Van der Lugt, Van, Langen, Lindenberg, Ton, De Vries, Aarninkhof
THE ZANDMOTOR USES THE FORCES OF THE WIND AND WAVES AS ACTIVE AGENCIES OF CHANGE, BUT CAN IT ALSO BE VALUED AS A DRIVING FORCE FOR HUMANITY TO CHANGE?	Heerema
RESPONSE OF DUNE SYSTEMS OF ALONGSHORE VARYING PERMEABILITY TO DIVERSE WAVE PROPERTIES AND SURGE LEVELS	Elsayed, Quiros Simon, Goseberg
MAKING WAVES IN THE CLASSROOM: ENGAGING HIGH SCHOOL STEM STUDENTS IN COASTAL DYNAMICS USING PORTABLE WAVE FLUMES	Puleo, Malladi, Rumaker, Noe