

International Coastal Symposium 2016 – Sydney, Australia
PROGRAMME



Day 1 – Monday 7th March 2016

	Oceanic East	Oceanic West	Centennial	Coogee	Clovelly	Bronte
08.30-09.00	Conference Opening – Oceanic Ballroom Welcome and Housekeeping – <i>Ana Vila-Concejo</i> , ICS2016 Chair, School of Geosciences, The University of Sydney Acknowledgement of Country – <i>Jakelin Troy</i> , Director, Aboriginal & Torres Strait Islander Research, The University of Sydney Welcome Messages – <i>Charles W Finkl</i> , President & Executive Director, CERF & Editor-in-Chief Journal of Coastal Research <i>Phil McManus</i> , Head of School, School of Geosciences, The University of Sydney <i>Mary O’Kane</i> , NSW Chief Scientist & Engineer, NSW Government					
09.00-10.00	Keynote Speaker - Andrew Short Australian Beach Research: A Retrospective					
10.00-10.45	Morning Tea					
MON	Session 1a – CSU	1b – CH	1c – RI (3) BC (3)	1d - PC	1e - ES	1f – MP
10.45-11.00	40 Years of Beach Monitoring at Narrabeen-Collaroy: from the Emery Method to UAVs <i>I Turner, A Short, M Harley, M Bracs, K Splinter, M Davidson, M Phillips, J Simmons</i>	A Hierarchical Bayesian Model-Based Uncertainty Analysis for Tsunami Heights along Shorelines in Korea <i>HH Kwon, JY Kim, BH Choi, YS Cho</i>	Shoreline Changes at the Mouths of the Mekong River Delta (2003-2015): Fluctuating Sediment Supply and Sediment Cells <i>E Anthony, M Besset, G Brunier, P Dussouillez, F Dolique, VL Nguyen, M Goichot</i>		Variability of Salinity in PARÁ River Estuary: 2D Analysis with Flexible Meshmodel <i>R Rosario, T Borba, A Santos, M Rollnic</i>	Communicating Beach Management: Educators; Coastal Engineers and Local Governments Collaborating to Create Successful Education Programs <i>M Muurmans, P Leahy</i>
11.00-11.15	A Synthesis of Australian Rip Current Studies – Past, Present and Future <i>R Brander, J McCarroll</i>	Numerical Simulation of Inundation at Beopsungpo of Korea due to Meteorological Tsunami Occurred in 2007 <i>SC Oh, CH Shin, SB</i>	Anthropogenic Influence on the Danube River Mouths Evolution <i>A Vespremeanu-Stroe, L Preoteasa, F Zainescu, F Tatui</i>	Tidal evolution in the Yellow and East China Sea during Holocene <i>C Zhou, J Zheng, P Dong, J Zhang, Z Zhang</i>	An Influence of Salinity on Resuspension of Cohesive Sediment <i>K Kim, HS Yoon, T Hibino</i>	Political and Financial Challenges for Beach Socio-Ecological Systems in Florida: Analysis of Stakeholder Narratives

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		<i>Yoon</i>				<i>E Ariza, C Kenyon, C Lindeman</i>
11.15-11.20	Catch up time					
11.20-11.35	Quantification of Beach Risk in the UK and Ireland <i>G Masselink, C Stokes, T Scott, M Revie, T Walters</i>	Resonance of 2011 East Japan Tsunami over Continental Shelf along Ibaraki Coast of Japan <i>GH Kim, S Jin, SG Hyun, SB Yoon</i>	Mapping Coastal Sargassum Beds Along Western Australia Coast Using Earth Observation WorldView-2 Satellite Data <i>T Hoang, R Fotedar, M O'Leary</i>	How to Improve Estimates of Real-Time Acceleration in the Mean Sea Level Signal <i>P Watson</i>	David and Goliath Revisited: Joint Modelling of the Tagus and Sado Estuaries <i>A Ribeiro, MC Sousa, JDL Silva, JM Dias</i>	Development of Beach Health Index for the Gold Coast, Australia <i>D Todd, K Bowra</i>
11.35-11.50	The Surfzone-Beach-Dune Model: Review and New Research <i>P Hesp, T Smyth</i>	A New Computation Method of Bottom Shear Stress Under Tsunami Waves <i>MB Adityawan, H Tanaka, Y Mitobe, W Widiyanto</i>	Identifying Spatial Variation in Carbon Store: A Case Study for Carama Inlet, NSW <i>C Owers, K Rogers, C Woodroffe</i>	Estimating the Accelerated Sea Level Rise along the Korean Peninsula Using Multiscale Analysis <i>S Uranchimeg, HR Cho, YT Kim, KN Hwang, HH Kwon</i>	Simulation of the Turbidity Maximum in a Highly Turbid Estuary: Integration of Simplified Model, Field and Satellite Data <i>A Sottolichio, L Ouamar, V Lafon, I Jalon Rojas, K Lajaunie Salla, S Schmidt</i>	Effect of the Coastal Protection Using the Beach Nourishment at Tottori Sand Dune Coast, Japan <i>Y Shibutani, M Kuroiwa, Y Matsubara</i>
11.50-12.05	CSU - From Morphodynamics to Morphokinematics <i>P Cowell</i>	Tsunami Inundation Modelling in Estuaries: Sensitivity to Variation in Tide and Friction <i>O Wilson, HE Power</i>	Using Benthic Foraminifera Distribution and Abundance to Model Mangrove and Saltmarsh Elevation Adjustment to Sea-level Rise: A Case	Sea-Level Fluctuation in the Russian Arctic During Holocene <i>A Makarov, D Bolshiyarov</i>	Deposition in Flowing Water of Fine Sediments Under Different Salinity Conditions <i>L Portela, A Custodio, A Trigo-Teixeira</i>	

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			Study of Jervis Bay, Australia <i>KK Lal, C Bonetti, K Rogers, C Woodroffe</i>			
12.05-13.30	Lunch					
MON	Session 2a – OB	2b – CH	2c - DU	2d - PC	2e - ES	2f - MP
13.30-13.45		Multi-Hazard Management of Coastal Zones Supported by HF Radar <i>M Heron, R Gomez, B Weber, N Thomas, A Dzvonkovskaya, T Helzel</i>	Coastal Mycology and Invasive Species: Boundary Conditions for Arbuscular Mycorrhizal (AM) Fungi in Incipient Sand Dunes <i>LM Hanlon, LK Abbott, DM Kennedy</i>	A Hierarchical Bayesian Model based Nonstationary Frequency Analysis of Extreme Sea Level under Climate Change along the Shorelines in South Korea <i>YT Kim, HR Cho, S Uranchimeg, SO Lee, HH Kwon</i>	Environmental Dynamics of the Estuary of the Pacoti River in Ceará, Brazil: Proposals for Management and Environmental Planning <i>E Vicente da Silva, J Felipe Farias, L Neris Barbosa, V Gabriel Ferreira Lima</i>	Investigating Management of England’s Marine Protected Area Network <i>K Yates, A Payo-Payo, P Buchan, R Zabari, J Caley, R Thurstand</i>
13.45-14.00	Analysis of Coastal Erosion Due to the 2011 Great East Japan Tsunami and its Recovery Using Ground Penetrating Radar Data <i>M Takamura, K Udo, M Sato, K Takahashi</i>	Evaluation of Run-up Characteristics on the NSW Coast <i>B Morris, E Foulsham, R Laine, D Wiecek, D Hanslow</i>	On the Interpretation of Grain Counts in a Spatio-Temporal Varying Aeolian Sand Transport Field <i>L Duarte Campos, K Wijnberg, L van der Weerd</i>	Past Extreme Events Recorded Within Internal Architecture of Coastal Formations in the Baltic Sea Region <i>K Vilumaa, H Tõnisson, S Sugita, I Buynevich, A Kont, M Muru, F Preusser, S Bjursäter, T Vaasma, E Vandel, A Molodkov, J I Järvelill</i>	Physical Study on Interactions Between Waves and a Well-Mixed Seabed <i>J Zhang, K Sun, H Zhang</i>	Integrated Coastal Zone Management: Experiences From European Projects <i>I Scroccaro</i>

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14.00-14.15	Seasonal Variations in Recovery Timescales of Shoreline Change on an Embayed Beach <i>M Biauxque, N Senechal, K Bryan, B Blossier</i>	Dynamic Beach Hazard Rating Using Remote Sensor Technologies <i>C Lane, A Short</i>	The Impact of Ammophila Invasion on Foredune Development and Downwind Dune Dynamics <i>T Konlechner, E Buckley, M Hilton, S Wakes, J Lord</i>	Ground Penetrating Radar Observations of Present and Former Coastal Environments, Great Sandy National Park, Queensland, Australia <i>A Gontz, A McCallum, P Moss, J Shulmeister</i>	Integral Tide-Surge-Wave Model of the Yellow Sea for Understanding Local Sediment Transport <i>BH Choi, KO Kim, JH Yuk</i>	New Coastal Regulation in Spain. A Roadmap to a Better Approach to Coastal Environment <i>JS Lopez-Gutierrez, V Negro, MD Esteban</i>
14.15-14.30	Equilibrium Beach Profile in the Presence of Beachrocks <i>M Rollnic, C Medeiros</i>	A Framework for Modelling Shoreline Response to Clustered Storm Events: Case Studies from Southeast Australia <i>S Nichol, T Baldock, D Callaghan, G Davies, F Howard, W Jiang, A McPherson</i>	Coastal Dunes and Plants: An Ecosystem-Based Alternative to Reduce Dune Face Erosion <i>ML Martinez, R Silva, E Mendoza, I OdÃ©riz, O Parez-Maqueo</i>	Headland Bay Beaches Model Analysis: Leaning From Today to the Past, Planning for the Future <i>A Klein, A Silva, C Dalinghaus</i>	Effect of Large-scale Reclamation of Tidal Flats on the Mass Transport Timescales in the Jiaojiang Estuary <i>Q Zhang, J Yang, J Tao</i>	Strategies of Socio-Environmental Education on the Coast of the Amazon Estuary in AMAPÃ© Brazil <i>RK Silva Gomes, M do Carmo, L da Silva, L Nakayama, M Martins Medeiros, L Cajueiro, C Pereira</i>
14.30-14.45	Prograded Barriers + GPR + OSL = Insight on Coastal Change Over Intermediate Spatial and Temporal Scales <i>A Dougherty, JH Choi, A Dosseto</i>		Downwind Sedimentation and Habitat Development Following Ammophila Arenaria Removal and Dune Erosion <i>E Buckley, T Konlechner, M Hilton</i>	Climate Control on the late-Holocene Relative Sea-Level Rise in the Western France <i>P Stephan, M Paul, D Marguerie, A David, J Goslin, A Penaud, C Lambert, M Vidal, S Schmidt</i>	Dynamic Analysis of Riverbed Evolution: Chengtong Reach of Yangtze Estuary <i>Y Chen, S Pan, C Zhang</i>	
14.45-15.30	Afternoon Tea					

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	Oceanic East	Oceanic West	Centennial	Coogee	Clovelly	Bronte	
MON	Session 3a – 0	3b – 0	3c -DU	3d – PC + MP	3e - ES		
15.30-15.45			Topographic Steering of Oblique Incident Winds Across a Foredune-Parabolic Dune Topography, Mason Bay, Stewart Island, New Zealand <i>S Wakes, M Hilton, T Konlechner</i>	Keeping Up With Sea Level: A Comparison of Coral Reef and Coastal Wetland Responses <i>C Woodroffe, K Rogers</i>	Sediment re-deposition in the mangrove environment of Can Gio, Saigon River Estuary (Vietnam) <i>K Schwarzer, N Cong Thanh, K Ricklefs</i>		
15.45-16.00			Poster preparation	Chronology, Morphology and GPR-imaged Internal Structure of the Callala Beach Prograded Barrier in Southeastern Australia <i>T Oliver, C Woodroffe</i>	Climate Phase, Climate Change and Estuary Management in New South Wales and California <i>N Saintilan, K Rogers, E Stein, D Jacobs</i>	Comparison of Nitrogen Assimilation Capacity of Different Estuaries in South-East Australia <i>E Bruce, M Hipsey, L Bruce</i>	
16.00-16.15			Turbulent Flow Structures in a Blowout <i>T Smyth, P Hesp</i>	An Extreme Event as a Game Changer in Coastal Erosion Management <i>C Sorensen, NK Dronen, P Knudsen, J Jensen, P Sorensen</i>	GIS-Based Modelling of Vulnerability of Coastal Wetland Ecosystems to Environmental Changes: A Case Study from Comerong Island, Southeastern Australia <i>AKM Al-Nasrawi, BG Jones, S Hamylton</i>		
16.15-			Wave Energy as a	Ecosystem-Based			

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16.30		Control on Dune Development on two Regressive Barriers in Southern Brazil <i>S Dillenburg, P Hesp, R CecÃ-lio, G Miot da Silva</i>	Knowledge and Management as a Tool for Integrated Coastal and Ocean Management: A Brazilian Initiative <i>M Scherer, M Asmus</i>		
16.30-18.30	Poster Session – Oceanic Ballroom				

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Day 2 – Tuesday 8th March 2016

	Ocean East	Ocean West	Centennial	Coogee	Clovelly	Bronte
08.45-09.45	Keynote Speaker – Janice M Lough A Changing Climate for Australia’s Tropical Coral Reef Ecosystems					
09.45-10.30	Morning Tea					
TUE	Session 4a – OB	4b – CH	4c - RC	4d - CSS	4e - ES	4f - MP
10.30-10.45	Beach Response to Australian East Coast Lows: A Comparison Between the 2007 and 2015 Events, Narrabeen-Collaroy Beach <i>M Harley, M Phillips, J Simmons, K Splinter, I Turner</i>		Development of an Exploratory-Type Numerical Model for Shore Platform Evolution <i>H Matsumoto, M Dickson, P Kench</i>	Seasonal Variations of the Amazon River Plume with Focus on the Eastern Sector <i>AC Cidon Mascarenhas, G Gomes, AP Yhaohannah Lima, HK Nascimento da Silva, LS Santana, RP Rosario</i>	Sedimentary Metal Enrichment as an Indicator of Anthropogenic Change in Estuarine Environments <i>G Birch, T Gunns</i>	X-Com, A Tool to Support Coastal Management Decisions Using X-Band Radar Data <i>L Esteves, J Williams, P Bell</i>
10.45-11.00	Beach and Dune Evolution at Truc Vert (SW France) After the Winter 2013/2014 Severe Storms <i>B Castelle, S Bujan, S Ferreira</i>	The Effect of Sea Level Rise on Estuarine Tidal Dynamics <i>S Lee, M Li, F Zhang</i>	Measuring Coastal Boulder Movement Under Waves Using Tri-Axial Accelerometers <i>W Stephenson, A Abazovic</i>	3-D Comprehensive Hydrodynamic Modelling in Arabian Gulf <i>Z Peng</i>	The Retention and Transport Patterns of Pollutants in Radial Sand Ridges of the Southern Yellow Sea <i>J Yang, J Tao</i>	Managing Threats to the NSW South Wales (NSW) Marine Estate to Maximise Community Wellbeing <i>S Fairfull, B Creese, A Jordan</i>
11.00-11.15	Can Beach Systems Be Recovered By Mild Winter Seasons? <i>J Benavente, L Del Rio, T Plomaritis, M Puig</i>	How Often do Extreme Surge and Waves Join Forces in the Dutch North Sea? A Multivariate Analysis	Infragravity Wave Patterns in Complex Reef Systems <i>G Winter, R Lowe, J Hansen, A van Dongeren</i>	Seasonal and Inter Annual Variability of the Wave Climate on the Southwest Western Australian Shelf Between 1993	Effective Roughness Height in hyper-concentrated flows <i>JY Fang, YP Chen, P Yao, M Su</i>	Restoration of Underwater Forests on Coastal Rocky Reefs <i>E Marzinelli, A Campbell, A Verges,</i>

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		<i>W Jäger, O Morales Nápoles</i>		and 2013 <i>M Wandres, C Pattiaratchi, EMS Wijeratne, Y Hetzel</i>		<i>M Mayer-Pinto, M Coleman, B Kelaher, P Steinberg</i>
11.15-11.20	Catch up time					
11.20-11.35	The Effects of Beach Morphology Variations on the Profile of Nearshore Currents on a Gently Sloping Mesotidal Beach <i>A Ruiz de Alegria-Arzaburu, A Arreola-Cortez, H Garcia-Nava, R Hernandez-Walls, A Mejia-Trejo</i>	Fast Ensemble Forecast of Storm Surge Along China Coasts <i>X Ding, Y Chen, Y Pan, S Pan</i>	Observations of Wave Transformation and Macro-tidal Rocky Platforms <i>T Poate, G Masselink, M Austin, M Dickson, P Kench</i>	Integrating Seafloor Habitat Mapping and Fish Assemblage Patterns Improves Spatial Management Planning in a Marine Park <i>H Malcolm, A Jordan, A Schultz, S Smith, P Davies, T Ingleton, E Foulsham, M Linklater, R Ferarri, N Hill, V Lucieer</i>	Runoff Quantification on Amazonian Estuary Based on Hydrodynamic Model <i>T Borba, M Rollnic</i>	Gold Coast Seawall: Status Investigations and Design Review <i>R Tomlinson, A Jackson, K Bowra</i>
11.35-11.50	Bathymetric Controls on Very Low Frequency Rip Current Motions <i>J McCarroll, R Brander, I Turner</i>	Sandsheets Galore! High-frequency Coastal Overwash Deposits from Phra Thong Island, Thailand <i>C Gouramanis, A Switzer, K Jankaew, C Bristow, D Pham, S Ildefonso</i>	Towards a Morphometrical Definition of Calas <i>J Fornos, L Gomez-Pujol, B Gelabert</i>	Comparison of Geomorphic Settings, Sedimentation and Benthic Environments of Two Carbonate Systems of Mediterranean and Australian Inner Shelf <i>S Tecchiato, C Buosi, A Ibba, DA Ryan, S De Muro</i>	The Influence of the El Nino-Southern Oscillation on the Entrance Regime of ICOLLs <i>S Perry, C Woodroffe, E McLean, R Laine, J Murtagh</i>	A History of Fulvia Tenuicostata in Sydney Harbour: An Indicator of Holocene and Anthropogenic Change in Estuarine Ecology <i>M Kosnik, G Dominguez</i>
11.50-12.05	Surf-Swash Interactions on a Low-Tide Terraced Beach	Measurements and Model Simulations of Hydrodynamic	Microscale Weathering of a Rocky Shoreline in		Morphological Evolution of Southeastern	Evaluation of Life Cycle Cost for Wave-dissipating Works

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	<i>R Almar, P Almeida, C Blenkinsopp, P Catalan</i>	Parameters, Observations of Coastal Changes and Experiments with Indicator Sediments to Analyse The Impact of Storm St. Jude in October 2013 <i>H Tõnnisson, Æ Suursaar, V Alari, R Ravis, A Kont, M Viitak</i>	South Africa <i>J Knight, H Burningham</i>		Australian Coastal Lagoons: A Hypsometrical Analysis <i>J Deng, C Woodroffe</i>	Considering Occurrence Probability of High Waves <i>T Ota, H Kawamura, Y Matsumi, T Hirayama</i>
12.05-13.30	Lunch					

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TUE	Session 5a – OB	5b – CH	5c – DU	5d – CSS	5e – ES	5f – MP
13.30-13.45	Rip Current Dynamics on a High Energy, Mesotidal Beach in New Zealand <i>S Gallop, K Bryan, S Pitman, D Sandwell</i>	Spatiotemporal Variability in the Tipping Points of Coastal Defence <i>J Brown, T Prime, J Phelps, P Knight, A Barkwith, M Hurst, M Ellis, G Masselink, A Plater</i>	A Review of Coastal Dunefield Evolution in Southeastern Queensland <i>G Miot da Silva, J Shulmeister</i>	Large Sediment Waves Formation by Dense Shelf Water Cascading over the Gulf of Roses Continental Slope (NW Mediterranean) <i>M Ribo, R Duran, P Puig, D Van Rooij, J Guillen</i>		Review of Coastal Land Reclamation Situation in the World <i>M Martín-Antón, V Negro, JM del Campo, JS López-Gutiérrez, MD Esteban</i>
13.45-14.00	Eddy Mixing of Longshore Currents <i>P Marchesiello, R Almar, R Benshila, S Larnier, B Castelle, J McWilliams</i>	Probabilistic Coastal Storm Surge Analyses Using Synthesized Tracks Based on Historical Typhoon Parameters <i>HJ Kim, SW Suh</i>	Evolutionary Stages of Cape Cod Blowouts and Morphodynamics of a Stage V2 Trough Blowout <i>P Hesp, T Smyth, I Walker, P Gares, T Wasklewisz</i>	Factors Influencing the Occurrence of Dense Shelf Water Cascades Around Australia <i>T Mahjabin, C Pattiaratchi, Y Hetzel</i>	Applicability of 3D Beach Evolution Model with Wave-Current Interaction to River-mouth Bar Formation <i>M Kuroiwa, Y Shibutani, Y Yasumoto, Y Matsubara</i>	Anchor Collision Analysis of Stone-Filled Bags for Submarine Power Cable Protection Using a Smoothed Particle Hydrodynamics Method <i>WB Na, J Woo, D Kim</i>
14.00-14.15	An Artificial Reef Improves Coastal Protection and the Recovery of the Coral Habitat <i>R Silva, E Mendoza, ML MartÃ-nez</i>	New Understandings on Distribution of Individual Wave Overtopping Volumes of Combined Wave and Surge Overtopping Based on Full-scale Tests <i>Y Pan, L Li, F Amini, C Kuang, Y Chen</i>		Sediment Dynamics from Coast to Slope - Southern Canadian Beaufort Sea <i>P Osborne</i>	Use of Groundwater-Table to Establish a Buffer Zone in a Barrier Island, Nakdong River Estuary, South Korea <i>J Park, C Yoo, H Yoon</i>	Video Assessment of Nearshore and Beach Evolution Following the Deployment of a Geotextile Submerged Wave Breaker <i>Y Balouin, F Longueville, Y Colombet</i>

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14.15-14.30	Beach Morphological Predictions: The Impact of a Temporally Varying Sediment Fall Velocity <i>S Prodger, P Russell, M Davidson, J Miles</i>	Coastal Impacts Induced by Storm Waves Between Cape Frio and Cape Buzios, Rio de Janeiro, Brazil <i>E Bulhoes, G Fernandez, S Oliveira Filho, T Pereira, T Rocha, V Maluf</i>	Advances in Coupled Modelling of Beaches and Dunes <i>D Roelvink, N Cohn, S Costas, S De Vries, O Duran, E Goldstein, B Hoonhout, L Moore, P Ruggiero</i>	Palaeoshorelines on the Australian Continental Shelf. Morphology and Links to Past Sea Levels <i>B Brooke, S Nichol</i>	Coastal Observation Through Cosmo-SkyMed High-Resolution SAR Images <i>M Francesca, B Matteo, G Molfetta, M Mossa, R Nutricato, A Morea, MT Chiaradia</i>	Design Policy Options Supported by Marine and Coastal ES Assessment and Valuation: A Case Study in Portugal <i>M da Luz Fernandes, F Lopes Alves</i>
14.30-14.45	Oscillatory and Regionalized Coastal Behaviour Between the Northern and Southern Hemispheres of the Pacific Ocean <i>P Barnard, K Bryan, M Harley, P Ruggiero, A Short, K Splinter, I Turner, S Vitousek</i>	Influences of Incoming Wave Direction on Uplift Force Acting upon High Piled Wharf <i>J Chen, H Tan, G Chen</i>	Test of a Model to Predict Sediment Transport to the Foredune Using a Supply-limited Approach <i>R Davidson-Arnott, I Delgado-Fernandez, B Bauer, P Hesp, J Ollerhead, I Walker</i>	Insights on Seabed Physical Features and Habitats in a Sediment Starved Setting, Rottneest Shelf, Southwestern Australia <i>W Nicholas, I Borrisova, A Carroll, F Howard, M Tran, G Bernardell, S Nichol, B Brooke</i>	Morphological Variability of an Amazonian Estuarine Beach <i>F Mota, T Borba, I Nascimento, M Rollnic, R Rosario</i>	Risk Management at the Threshold. A Real-time Application of the Surf Hazard Rating Model <i>G McCoy, N de Mestre, K Kumar</i>
14.45-15.30	Afternoon Tea					
TUE	Session 6a - 0	6b – 0	6c - DU+DC	6d – CSS	6e - RI+CH	6f – DC
15.30-15.45	Poster preparation			Modelling of Long-Term Wave Climate in China Seas <i>J Li, Y Chen, S Pan</i>	Numerical Study on Tsunami Propagation into a River <i>H Tanaka, Y Aoyama, M Bagus Adityawan, Y Mitobe, W Widiyanto</i>	Mangrove and Saltmarsh Elevation Dynamics in Southeastern Australia: Implications for Sea-level Rise and Saltmarsh Decline <i>K Rogers, N Saintilan,</i>

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					<i>C Woodroffe</i>
15.45-16.00	Poster preparation		Santinho-Ingleses Headland Bedform Characterization Through Interferometric Data, Santa Catarina Island, Southern Brazil <i>D Porpilho, A Klein, R de Camargo, M Prado, A Short, G da Silva</i>	Simulation of Tsunami Runup in the Tone River using Generalized Coordinate System and Influence of River Mouth Bar on Tsunami Water Level <i>R Nikaido, SI Aoki, H Tamura, M Jinbo</i>	Sturgeon Bank, Fraser River Delta, BC, Canada – 150 Years of Human Influences on Salt Marsh Development <i>R Atkins, M Tidd, G Ruffo</i>
16.00-16.15			Euro-Atlantic Teleconnection Patterns, Weather Regimes and Inter-annual Shoreline Variability at a High-energy Sandy Beach <i>A Robinet, B Castelle, V Marieu, D Idier, G Le Cozannet, E Charles K Splinter, M D'Amico</i>	Hydrosystem Observations from a City-scale, Sea Level Rise Laboratory: Christchurch, New Zealand <i>D Byun, D Hart, C Gomez, S Giovinazzi, D Holland</i>	A Multiscale Simulation Approach for Linking Mangrove Dynamics to Coastal Processes Using Remote Sensing Observations <i>C Proisy, P Degenne, EJ Anthony</i>
16.15-16.30			Large Scale Coastal Reorganisation Along the Subtropical East Australian Coast in Response to ENSO Wave-Climate Shifts and Extreme Storm Clusters <i>I Goodwin, T Mortlock, S Browning,</i>	The Multi-hazard Vulnerabilities of Coastal Settlements in Tectonically Active Areas: 21st Century Observations from Around the Pacific Rim <i>D Hart, C Gomez</i>	

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			<i>A Burke</i>		
16.30-18.30	Poster Session – Oceanic Ballroom				
19:00-20:30	<i>Women in Coastal Geosciences and Engineering</i> Launch – Oceanic Ballroom				

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Day 3 – Wednesday 9th March 2016

	Ocean East	Ocean West	Centennial	Coogee	Clovelly	Bronte
08.45-09.45	Keynote Speaker – Giovanni Coco How Do We Best Model Eco-Geomorphic Environments and What Can We Actually Predict?					
09.45-10.30	Morning Tea					
WED	Session 7a – TI & OB	7b – CH	7c – EB	7d – HY	7e – MF	7f – CR
10.30-10.45	An Analytic Approach to Model the Tidal Circulation in a Double-inlet Estuary <i>M Araujo, C Medeiros, JP Endres</i>		On the Long-term Changes of Extreme Wave Events at the German Baltic Sea Coast <i>Z Xu, N Dreier, Y Chen, P Fr��hle, D Xie</i>	Software to Predict Hydrodynamic Pressures on Offshore Pile Foundations. The Next Step in Ocean Energy Development <i>A Escobar, V Negro, JS Lopez, MD Esteban</i>	Contributions to Environmental Impact Assessment in Maritime Spatial Planning <i>N Correia, H Calado, J Ferreira</i>	Morphodynamics of Sand Aprons in Coral Reef Environments <i>A Vila-Concejo, D Harris, S Hamylton, J Webster</i>
10.45-11.00		Tropical Cyclone Storm Tide Hazard Assessment Requirements for Evacuation Decisions <i>D Ware, G Faivre, J Burston, R Tomlinson</i>	Sea Level Rise and its Impact on Beach Erosion in Tainan <i>W Chen, Y Chou, Q Wang</i>	Prediction of the Tohoku Tsunami Scouring Near Structures <i>T Iida, S Kure, K Udo, A Mano, H Tanaka</i>	Projected Changes in Wave Conditions in the Baltic Sea by the End of the 21 st Century and the Corresponding Shoreline Changes <i>�� Suursaar, H T���nisson, V Alari, U Raudsepp, H R��stas, A Anderson</i>	Hydrodynamics of Coral Reef Spur and Groove Zones <i>S Duce, A Vila-Concejo, RJ McCarroll, S Hamylton, J Webster</i>
11.00-11.15	30 years of Humpback Whale Strandings in Queensland, Australia <i>O Meynecke</i>	Ecosystem Services and their Benefits as Coastal Protection in Highly Urbanised Environments	Atmospheric Circulation Changes and their Impact on Extreme Sea Levels and Coastal Currents	Morphological Response to the Installation of Detached Breakwaters Along	Framework for Integrated Maritime Policy in the Black Sea – Romania’s Perspective	Wave Height is an Unreliable Indicator of Cyclone Impacts on Coral Reef Flats <i>DL Harris, HE Power, A</i>

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		<i>E Guisado-Pintado, F Navas, G Malvárez</i>	in Australia <i>K McInnes, F Colberg, J O'Grady</i>	the Cigu Coast of Tainan, Taiwan <i>T Lin</i>	<i>N Vaidianu, E Ozhan, R Bosch</i>	<i>Vila-Concejo, M Kinsela, JM Webster</i>
11.15-11.20	Catch up time					
11.20-11.35	Hydraulic and Sediment Dynamics During Extremely Shallow Water on Intertidal Mudflats: the Contribution of Waves <i>Q Zhang, Z Gong, C Zhang, Z Zhou, I Townend</i>	Beach Response to Consecutive Storms Recorded using LiDAR Along the SW Coast of England <i>O Burvingt, G Masselink, P Russell, T Scott</i>	Predictive Modelling in an Era of Environmental Change: Some Practical Considerations for Spatial Models in Coastal Environments <i>S Hamylton</i>	Experimentals on the Upstream-Advancing Waves Induced by Currents <i>J Fan, J Zheng, A Tao, H Yu, Y Wang</i>	Enhancing Coastal Zone Management Education of Engineering Students and Beyond <i>C Lemckert</i>	Source to Sink: Using an Ecological and Sedimentological Approach to Understand the Functional Role of Large Benthic Foraminifera to Reef Scale Carbonate Production <i>S Doo, D Harris</i>
11.35-11.50	Validation of Empirical Wave Run-up Formula to the Polish Baltic Sea Coast <i>P Aniskiewicz,, K Furmanczyk, R Benedyczak, P Andrzejewski</i>	Natural and Anthropic Adjacent Coastal System Compare Using DSM from Low Cost UAV Survey (Capao Novo, RS/Brazil) <i>F Scarelli, E Barboza, L Cantelli, G Gabbianelli, ML Rosa</i>	Interoperability as Supporting Tool for Future Forecasting on Coastal and Marine Areas <i>F Navas, E Guisado-Pintado, G Malvarez</i>	Investigation of Wave Breaking Turbulence in Morphodynamics Modelling <i>H Yoon, M Cho, S Son</i>	Stakeholder Perceptions of a Coastal Marine Protected Area <i>B Clarke, R Thursatan, K Yates</i>	Unveiling the Bacteriomes of Healthy and Unhealthy Gorgonians from the Portugal Southern Coast <i>A Lago-Leston , T Keller-Costa, J Gonçães, R Costa</i>
11.50-12.05	Small scale bedforms behaviour on the middle shoreface <i>S Meirelles, M Henriquez, A Souza, A Horner-Devine, J Pietrzak, M Stive, S</i>	Automatic Control for Hazard Mitigation of Coastal Infrastructures <i>K Arsava</i>	A Flexible Approach to Forecasting Coastline Change on Wave-Dominated Beaches: Monte Carlo Sediment Budget Simulation	On the use of the Radon Transform and a Particle Imagery Velocimetry Based Algorithm to Extract Surface Currents <i>S Larnier, R Almar, B</i>	Monitoring Ciguatra Risk in a Changing Climate <i>L Sparrow, K Heimann</i>	The Evolution of the Great Barrier Reef Over the Past 30 ka <i>J Webster</i>

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	<i>Rijnsburger</i>		<i>M Kinsela, B Morris, M Daley, D Hanslow</i>	<i>Castelle, T Scott</i>		
12.05-13.30	Lunch					
WED	Session 8a – OB	8b – CH	8c – TI	8d – HY	8e – MF	8f – CR
13.30-13.45	Infragravity Waves Dissipation on a Macrotidal Pocket Beach and their Impact on Setup and Sediment Transport During Extreme Events <i>F Floc'h, N Le Dantec, R Cancouet, A Iravani, D Sous, L Petitjean, F Bouchette, F Arduin, S Suanez, C Delacourt</i>	Multiple-source Cliff Erosion in Southern Spain: Current Risk and Future Perspectives <i>L del Rio, FJ Gracia, J Benavente</i>	Origin, Evolution and Closure of Wave-Dominated Tidal Inlets along the Mid-Atlantic Bight, USA <i>R McBride, C Seminack, M Robinson, T Hanley, E Tedder</i>	Three-Dimensional Numerical Simulation of Nonlinear Internal Waves in the St. Lawrence Estuary, Canada <i>VT Nguyen</i>	Mangroves and Coastal Dunes and their Role of in Protection and Hazard Mitigation – Insights from Southeast Asia <i>A Switzer, L Soria, C Gouramanis</i>	Destruction or Persistence of Coral Atoll Islands in the Face of 20th and 21st Century Sea Level Rise <i>P Kench, R McLean</i>
13.45-14.00	Recovery Assessment of Two Nearby Sandy Beaches with Contrasting Anthropogenic and Sediment Supply Settings <i>N Senechal, J Pavon, R Asselot, B Castelle, M Taaouati, S Ferreira, S Bujan</i>	The Application of a Rip Current Warning Decision-Process System, Haeundae Beach, South Korea <i>J Lee, JL Lee</i>	Evolution of a Relocated Inlet Migrating Naturally Along an Open Coast <i>C Popesso, A Pacheco, O Ferreira, G Fontolan</i>	Variability of Benthic Communities in Relation to Hydrodynamic Conditions in the Northern Baltic Sea <i>K Torn, K HerkÅ¼l, Å Suursaar, V Alari</i>	The Tropicalisation of Temperate Algal Forests in Japan and Australia <i>A Verges, Y Nakamura, H Malcolm, A Campbell, E Marzinelli, M Garcia Piza, A Hoey, M Skye, A Vila Concejo, A Sen Gupta, P Steinberg</i>	Atoll-scale Comparisons of Coral Reef Rim Island Development, Huvadhu Atoll, Maldives <i>H East, C Perry, P Kench, Y Liang</i>

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	Ocean East	Ocean West	Centennial	Coogee	Clovelly	Bronte
14.00-14.15	Sub-aerial Rotation on an Open Coast Beach: Pendine West Wales, UK <i>T Thomas, N Rangel-Buitrago, M Phillips, G Anfuso, A Williams</i>	Overview of Super Typhoon Haiyan and Characteristics of Human Damage due to its Storm Surge in the Coastal Region, Philippines <i>S Kure, Y Jibiki, K Iuchi, K Udo</i>	Morphological Evolution of the Nerang River Entrance Ebb Tidal Delta <i>M Sedigh, R Tomlinson, N Cartwright, A Etemad-Shahidi</i>	Depression Waves Generated by Large Ships in the Venice Lagoon <i>K Parnell, L Zaggia, T Soomere, G Lorenzetti, A Rodin, J Rapaglia, G Scarpa</i>	Coastal Impact of Onshore Wind Farms in Australia <i>N Harvey</i>	Sediment Transport in a Fringing Coral Reef-Lagoon System <i>A Pomeroy, R Lowe</i>
14.15-14.30	M2, Overtides and Compound Tides Generation in the Strait of Messina: The Response of a Non-hydrostatic, Finite-element Ocean Model <i>G Quattrocchi, GJ Gorman, MD Piggott, A Cucco</i>	Typhoon Morakot Induced Wave and Surges with an Integrally Coupled Tide-Surge-Wave Finite Element Model <i>KO Kim, BH Choi</i>	Morphology Evolution of a Large Scale Mixed-energy Inlet from Multisource Data <i>V Marieu, A Nahon, P Coopen, B Lubac, V Hanquiez</i>	Exploring the Influence of Posidonia Oceanica Meadow on the Equilibrium Beach Profile in Mediterranean Microtidal Beaches <i>L Gomez-Pujol A Orfila, J Tintore</i>	Regional Scale Coastal Mapping to Underpin Strategic Land Use Planning in South East Australia <i>D Hanslow, T Pritchard, J Dela Cruz, B Morris, M Kinsela, E Foulsham</i>	Tropical Cyclone Effects on a Fringing Reef System <i>M Cuttler, R Lowe, J Hansen</i>
14.30-14.45	Spit Evolution as a Result of Headland Bypassing <i>JM Camargo, A Klein, A Short</i>	The Geomorphic Significance of Hurricanes on Coral-fringed Barrier Beach Systems: Northeastern Yucatan Peninsula, Mexico <i>N Mulcahy, D Kennedy, P Blanchon</i>	Swash Bar Effects on the Response of a Large Barrier-Spit Terminus to Extreme Wave Climate: The Cap Ferret Example <i>A Nahon, V Marieu, D Idier, N Senechal, J Mugica, C Mallet</i>	Using Simplified Bathymetry And SAR Imagery In The Validation Of A Hydraulic Model For The Tagus River Floodplain <i>MA Araujo, R Pestana, M Matias, D Roque, A Trigo-Teixeira, S Heleno</i>		An Investigation of the Importance of Infragravity Waves in Overtopping and Inundation in a Reef-fringed Environment <i>J O'Grady, R Hoeke, K McInnes</i>
14.45-15.30	Afternoon Tea					

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	Ocean East	Ocean West	Centennial	Coogee	Clovelly	Bronte
WED	Session 9a	9b	9c - TI+HY	9d – HY	9e – MF	9f – CR
15.30-15.45	Poster preparation			Theoretical and Observed Breaking Wave Height on a Barred Macrotidal Beach: Implications for the Estimation of Breaker Index on Beaches with Large Tidal Range <i>A Hequette, A Cartier</i>	Radical Coastal Management Options: A Case Study at Bawdsey, UK <i>J Williams, L Esteves, S Costa</i>	Characterization and Hybrid Downscaling of Wave Climate at a Central Pacific Atoll for Extreme Sea Level Impacts Assessment in Funafuti, Tuvalu <i>R Hoeke, K McInnes, T Durrant</i>
15.45-16.00				Wave Height Distributions in the Surf Zone on Natural Beaches <i>H Power, P Nielsen, M Hughes, T Aagaard, T Baldock</i>	Regional Environmental Sensitivity Index (RESI) Classification of Estonian Shoreline (Baltic Sea) <i>R Aps, H TÄµnisson, Ä Suursaar, K Orviku</i>	Reef Sediment Supply and Island Building in the South Maldives <i>Y Liang, P Kench, M Ford, H East</i>
16.00-16.15				The Use of Synthetic Imagery for Detection of Rip Currents <i>S Pitman, S Gallop, I Haigh, S Mahmoodi, G Masselink, R Ranasinghe</i>	Monitoring and Modelling Change in Reef Island Environments: A Review of Recent Advances and Future Opportunities <i>F Adnan, S Hamylton, C Woodroffe</i>	Kite Aerial Photography as a Tool for Studying Coastal Environments <i>M Bryson, S Duce, D Harris, J Webster, A Vila-Concejo, S Williams</i>
16.15-16.30					Longshore Wave Setup and Runup Variability on a	Islets of New-Caledonia Lagoons in the Perspective of

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			Complex Barred Beach During Highly Dissipative Storm Conditions <i>A Nicolae Lerma, R Pedreros, F Paris</i>	Climate Change and Sea Level Rise <i>M Garcin, M Vende-Leclerc, B Robineau, P Maurizot, G Le Cozannet, A Nicolae-Lerma</i>	Transported by Stormy Waves Using Very High Resolution Satellite <i>A Collin, S Etienne</i>
16.30-18.30	Poster Session – Oceanic Ballroom				

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Day 4 – Thursday 10th March 2016

	Ocean East	Ocean West	Centennial	Coogee	Clovelly	Bronte
08.45-09.45	Keynote Speaker – Bruce G Thom Coastal Management in Australia					
09.45-10.30	Morning Tea					
THU	Session 10a – OB	10b – CH	10c - EB	10d – HY	10e – DC	10f – SK
10.30-10.45	Beaches Morphological Variability along a Complex Coastline (Sinis Peninsula, Western Mediterranean Sea) <i>S Simeone, G De Falco, G Quattrocch, L Palombo, A Cucco</i>	Coastal Hazard Management and Adaptation in for Coastal Settlements: Australian Case Studies from Research to Practice <i>M Sano, R Tomlinson</i>	Sediment Movement and Shore Face Morphology: Implications for Siltation in a Navigational Channel at Bhastkal Creek, Central West Coast of India <i>V Hegde, R Shaliesh, R Shalini, AS Rajawat, G Lavanya, KH Girish, G Kanchanagouri, B Tejaswvini. PA Krishnaprasad</i>		Decadal Evolution of Mond River Delta, the Persian Gulf <i>SA Haghshenas, A Razavi Arab, MJ Risk</i>	Wave-induced Current Simulated by Wave-current Coupled Model in Haeundae <i>HS Lim, I Chun, JS Shim, CS Kim</i>
10.45-11.00	Laboratory Experiment on the Bed Load Sediment Transport of the Rippled Bed <i>Z Yang, D Lee, B Liang, H Li</i>	Physical Processes Leading to Extreme Water Levels in South-west Australia <i>C Pattiaratchi, S Wijeratne, Y Hetzel, I Janekovic, I Haigh, M Eliot</i>	Stability of Artificial Beaches in Port Phillip Bay, Victoria, Australia <i>M Lowe, D Kennedy</i>	Empirical Parametrization of Runup, Extreme Water Levels and Dune Erosion <i>S Suanez, E Blaise, R Cancouët, F Floc'h, F Ardhuin</i>	The Drowned Apostles <i>R Bezore, D Kennedy, D Ierodiaconou</i>	Rip Current Zoning Map to Manage Safety at Haeundae Beach, Korea <i>G Lee, S Hong, C Lee, J Lee</i>
11.00-11.15	Swash Motion Driven by the Bore	Controls on Flash Rip Current Behaviour on	Morphodynamic of a Mixed-sediment (sand	Experimental and Numerical Study on	Ponta Negra Beach, Natal, Brazil: A Roll	Rip Currents Generated by Distant

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	and Prediction of Foreshore Profile Change <i>J Wang, B Liang, H Li, D Lee, Y Xu, X Pan</i>	a Low-Tide Terraced Beach <i>T Scott, B Castelle, R Almar, N Senechal, F Floc'h</i>	and mud) Macrotidal Estuarine Beach Under Contrasted Energy Conditions (Vilaine Estuary, France) <i>O Morio, M Sedrati, E Goubert, F Floc'h, L Furgerot, T Garlin</i>	the Reduction of Wave Run-up by Vegetation <i>H Cao, T Suzuki, W Feng</i>	and Rock Story <i>C Neves, A Scudelari, V Amaro, O Santos</i>	Typhoons at Haeundae Beach of Korea: Forecast and Warning <i>SB Yoon, JH Song, J Choi</i>
11.15-11.20	Catch up time					
11.20-11.35	Gravel Beach Cusps <i>D Sherman, J Wang</i>	Detecting Errors in Coastal Databases Using Bayesian Networks <i>G Le Cozannet, T Bulteau, M Garcin, C Garnier, H Mueller, A Hoareau, C Mallet</i>	Impacts of Submerged Breakwaters on Nearshore Sediment Transport <i>S Pan, G Fairbairn</i>	Minimisation of the Uncertainty in Estimation of Extreme Coastal Waves <i>B You, B Yin, Z Ji, C Hu</i>	Origin of the Seismic Reflections in the Sedimentary Inner Structures of Nearshore Bars <i>R Certain, O Raynal, N Robin, C Brunel, J Billy, JP Barousseau</i>	Application of EurOtop to Improve Simulations of Coastal Inundations due to Wave Overtopping <i>HY Lee, SW Suh</i>
11.35-11.50	Velocity of RFID tagged gravel in a non-uniform longshore transport system <i>T Dolphin, J Lee, R Phillips, K Dyer</i>	Double Resonance Effect in Daeheuksando Port Caused by Air Pressure Disturbances in Yellow Sea on March 31, 2007 <i>MS Kim, H Kim, SB Woo, YK Kim, BH Gu, HJ Lee</i>	Seasonal Evolution, Typhoon Impact and Recovery of Shoreline Using Continuous Video Monitoring: A Case Study from Nha Trang Beach, Vietnam <i>D Hai Thuan, L Thanh Binh, N Trung Viet, D Kim Hanh, J Pierre Lefebvre, R Almar, P Marchesiello</i>	Accurate Estimation of Wave Reflection on a High Energy, Dissipative Beach <i>K Inch, M Davidson, G Masselink, P Russell</i>	High-Frequency Ground Penetrating Radar (HF-GPR) of the Sedimentary Structures in an Overwash Fan on the Southeast Coast of India <i>S Carson, AD Switzer, C Gouramanis</i>	Summertime Erosion in the Nearshore Before a Pocket Beach Under the Asian Monsoon: Haeundae, Korea <i>H Lee, J Jin, J Yoo, J Do, S Kim, K Do</i>
11.50-12.05				Generation of Free Infragravity Waves by	On Acoustic Measurement of	Storm-induced Beach Erosion of Embedded

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				Time-varying Breakpoint with Real Wave and Bathymetry Conditions <i>S Contardo, G Symonds</i>	Sediments in a River <i>D Hanes, Y Agrawal</i>	Beach in Haundae, Korea <i>K Do, HJ Lee, J YooJ Shim, JY Jin, JD Do</i>
12.05-13.30	Lunch					
THU	Session 11a - OB	11b – CH	11c - MF	11d – HY	11e – DC	11f - SK
13.30-13.45	Short-term Morphologic Response of a Reef-fronted Shoreline <i>L Segura, J Hansen, R Lowe</i>	Toward the Implementation of a Cyclone-induced Coastal Hydrodynamics and Marine Inundation Forecasting System for Reunion Island <i>S Lecacheux, R Pedreros, F Paris, E Chateauminois, A Nicolae Lerma , D Barbary, S Bielli, Bousquet, F Bonnardot, H Quetelard, T Dupont</i>			What Controls the Geometry of Rocky Coasts? <i>Z Swirad, N Rosser, M Brain, E Vann-Jones</i>	
13.45-14.00	Physical and Numerical Modelling of Irregular Wave Transformation over a Fringing Reef <i>S Shin, JI Lee, YT</i>	Hindcasting Tropical Storm Events in the Oman Sea <i>S Ghader, D Yazgi, SA Haghshenas, A Razavi Arab, M Jedari Attari, A Bakhtiari, H Zinsaz Boroojerdi</i>			Shoreface Changes at Different Time-Scales on Danube Delta Coast <i>F Tatui, A Vespremeanu-Stroe, F Zainescu, S Constantinescu</i>	The Economic Benefit of the Coastal Erosion Control in Korea <i>JI Chang</i>

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	<i>Kim</i>					
14.00-14.15	Hydrodynamic Impacts of Tropical Cyclones on Inshore Shallow Coastal and Coral Reef Systems Along the Australian North West Coast <i>E Drost, R Lowe, C Pequignet, N Jones</i>	Tropical Cyclone Storm Tide Risk Assessment Based on an Updated Stochastic Track Model <i>J Burston, D Taylor, J Churchill</i>			Rapid Incipient Foredune Formation Along a Prograding Macrotidal Shoreline, Northern France <i>MH Ruz, A Crapoulet, A Hequette, D Marin</i>	Analysis of Beach Deformation According to Nourishing Sand in Haeundae Beach, Korea <i>W Lee, J Lee, I Kim, D Hur</i>
14.15-14.30	Wave Run-up and Island Over-topping on Funafuti Atoll, Tuvalu <i>E Beetham, P Kench</i>	Baby Ocean Buoy Deployment During Tropical Cyclone Nathan <i>R Wall, P Boswood, J Ryan, J Maher</i>			Flow Deflection and Sand Transport Across a Linear Foredune <i>M Hilton, S Wakes, T Konlechner</i>	Effects of Elevated CO2 on the Ecological Status of Benthic Harpacticoid Copepods <i>JH Oh, OH Yu, W Lee, D Kim</i>

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14.30-14.45		Modeling of Morphological Change of West Taiyang Sand During Typhoon Matsa <i>Q Ye, Z Xu, P Lu, D Roelvink</i>				Mud Deposition on a Macrotidal Beach: Dasari Coastal Dune, West Coast of Korea <i>TS Chang, HJ Ha</i>
14.45-15.30	Afternoon Tea					
	FREE TIME					
18.00	Buses depart Crowne Plaza for the Conference Dinner					

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