

PROGRAM

TUESDAY 20 JUNE 2017

18.00 - 20.00 **Welcome Reception**

Sponsored by  

Halls C & D

WEDNESDAY 21 JUNE 2017

07.00 **Registration Opens**

08.30 - 09.20 **CONFERENCE OPENING** Hall A

Welcome to Country

Official Conference Opening

Hon Dr Steven Miles, Minister for Environment & Heritage Protection; Minister for National Parks and the Great Barrier Reef

Conference Chair Welcome

Professor Tom Baldock

PIANC Welcome

Geoffroy Caude, President, PIANC International

09.20 - 10.20 **KEYNOTE ADDRESS** Hall A

Coastal Hazards in Tropical Australia – A Reassessment of the Risk

Professor Jonathan Nott, Professor of Geosciences, College of Science and Technology, James Cook University, Cairns, Queensland

10.20 - 10.50 **Morning Tea, Poster Displays and Trade Exhibition**

Sponsored by  **Boskalis**

Halls C & D

10.50 - 12.30 **Concurrent Sessions**

	1 TIDES, STORM SURGES, LONG WAVES AND TSUNAMIS	2 PORT PLANNING AND DEVELOPMENT	3 DREDGING AND RECLAMATION Sponsored by 	4 BEACH NOURISHMENT AND SHORELINE PROTECTION	5 BREAKWATERS AND EROSION AND FLOOD MITIGATION COASTAL STRUCTURES	6 MONITORING, INSTRUMENTATION AND INFORMATION SYSTEMS
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Jose Borrero	Ron Cox	David Provis	Angus Gordon	Andrew McCowan	Ian Turner
10.50 - 11.10	Assessing the Ability of Storm Surge Models to Simulate Coastal Trapped Waves around Australia Yasha Hetzel ○	Asset Management Planning at the Port of Hastings Matthew Primmer ○	Numerical Modelling of Dredging Activities: Challenges and Opportunities Paul Guard ○	Cocos (K) Islands - Managing the Sand Heather O'Keeffe ○	Laboratory Experiments into the Effect of Reef Width on Extreme Water Levels During Cyclone Events Kristen Splinter ○	The Growing Role of Underwater Robotics as a First Line of Defence for Australia's Marine Ecosystem James Cook ○
11.10 - 11.30	Modelling Tsunami Threat to Sydney Harbour with Comparisons to Historical Events Olivia Wilson ○	Lessons Learned from Getting Soaked: The use of Metocean Decision Support Frameworks to Optimise and Guide Australia's Port and Maritime Engineering Activities Mark Lawless ○	Predicting Future Sedimentation at the Port of Hay Point James Donald ○	Innovative Ecological Engineering: Two-Dimensional Physical Modelling of Oyster Shell Filled Bags for Coastal Protection Ian Coghlan ○	Sea Cliff Bridge – Further Innovation and Lessons Learned Galen Lewis ○	Using Waves and Power Efficient Loggers for Autonomous Profiling to Collect High Quality, High Density Data for Increased Periods Stefan Stimson ○

WEDNESDAY 21 JUNE 2017 (CONTINUED)

	1 TIDES, STORM SURGES, LONG WAVES AND TSUNAMIS	2 PORT PLANNING AND DEVELOPMENT	3 DREDGING AND RECLAMATION Sponsored by 	4 BEACH NOURISHMENT AND SHORELINE PROTECTION	5 BREAKWATERS AND EROSION AND FLOOD MITIGATION COASTAL STRUCTURES	6 MONITORING, INSTRUMENTATION AND INFORMATION SYSTEMS
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Jose Borrero	Ron Cox	David Provis	Angus Gordon	Andrew McCowan	Ian Turner
11.30 - 11.50	An Operational Coastal Sea-Level Forecasting System Diana Greenslade ○	Challenges Associated with the Redevelopment of Webb Dock Colin Trewern ○	Port Douglas Entrance Channel Reconfiguration Investigation Peter Bayliss ○	Optimising Ecological and Engineering Values in Coastal Protection via Combined Oyster Shell and Sand Bag Designs Thomas Dunlop ○	Affordable Coastal Protection in the Pacific: Impacts of Local Resource Availability and Transport Costs Tom Shand ○	Observations from the Design, Construction and Drone Monitoring of a Geotextile Sand Container (GSC) Seawall Christopher Drummond ○
11.50 - 12.10	Towards Improved Performance of Operational Wave Models at Australian Coast Aihong Zhong ○	The Use of International Practices and Latest Technologies for the Sustainable Development of Mubarak Al Kabeer Port, Kuwait Tom Crawford-condie ○	Simulating Suspended Sediment Plumes from Dredging Activities in Tidal Flows within a Complex Mixed-Sediment Estuary Brett Beamsley ○	Beach Restoration and Erosion Protection on the Inner Danish Coasts – A Case Study Elisabeth Baden ○	Affordable Coastal Protection in the Pacific: Testing and Design of Alternative Protection Options for Low-Energy Coastlines Matt Blacka ○	A Sand Transport Information System for the Tweed River Entrance Sand Bypassing Project Celine Roux ○
12.10 - 12.30	Connecting Sea Level Forecasts with the Bulk Export Industry Burak Uslu ○	Utilising a Coffs Harbour 3D Physical Model to Evaluate Development Strategies in the Southern Precinct Indra Jayewardene ○	WAMSI Dredging Science Node: Plume Modelling Uncertainty – Hydrodynamics Paul Branson ○	Coastal Engineering Solutions for Remote Island Communities Stuart Bettington ○	Considerations for the Design of Rock Armoured Structures on Fringing Reef Coastlines Rebecca Killalea ○	Coastal Data Collection and Profile Surveys on the Gold Coast: 50 Years On Darrell Strauss ○

12.30 - 13.30 **Lunch, Poster Displays and Trade Exhibition**

Sponsored by  **BMT Group**

Halls C & D



WEDNESDAY 21 JUNE 2017 (CONTINUED)

13.30 - 15.10 Concurrent Sessions						
	7 TIDES, STORM SURGES, LONG WAVES AND TSUNAMIS	8 PORT PLANNING AND DEVELOPMENT Sponsored by 	9 DREDGING AND RECLAMATION	10 INTEGRATED COASTAL PROTECTION, PLANNING AND MANAGEMENT	11 BREAKWATERS AND EROSION AND FLOOD MITIGATION COASTAL STRUCTURES Sponsored by 	12 COASTAL RESPONSE TO EXTREME EVENTS AND TO CLIMATE CHANGE
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Will Glamore	Joe Healy	Lex Nielsen	Darrell Strauss	Matt Blacka	Jonathan Nott
13.30 - 13.50	Effect of Water Depths and Bottom Roughness on Tidal Flows and Sediment Transport Lars Erik Holmedal ○	Napier Port Inland Depot, from Swamp to Low Cost Depot Clarke Curtis ○	New Zealand Five Ports Dredging Agreement Michel De Vos ○	Coastal Protection through Wave Farms: Feasibility Assessment Using Numerical Wave Modeling and Parametric Study Ron Hoeke ○	Design and 2D Physical Modelling of a Submerged Rock Mound to Withstand Tug Thruster Currents Benjamin Blumberg ○	Hindcasting of Waves and Currents at Mermaid Sound during TC Olwyn Hamid Dennis Fanai ○
13.50 - 14.10	Tidal Dynamics and Oscillations within Coastal Lakes Rosanne Hart ○	Design of a Greenfield Port on a Remote Island Nathan Burmeister ○	Dredge Spill Planning Tool for Rapid Assessment of Effects John Oldman ○	Repairing Nature's Mistakes – The Contradictions of Working with Nature Angus Gordon ○	Coffs Harbour Northern Breakwater Upgrade – Balancing Technical and Environmental Outcomes Craig Dengate ○	Adelaide's Beaches: Trial by Storm James Guy ○
14.10 - 14.30	Performance of New Zealand Wharves Under Tsunami Loading Benjamin Popovich ○	An Improved Integrated Approach for Optimizing Shipping Channel Capacity for Australian Ports Simon Mortensen ○	Beyond Bulking Factors – Sizing Containment Areas for Dredged Material Placement Tim Green ○	Balancing Competing Objectives in Coastal Entrance Management David Wainwright ○	Rubble Mound Breakwater Cross-Section Design in a Hurricane and Seismic Prone Zone in Central America Sam Watkin ○	Predicting Storm Erosion on Sandy Coastlines using a Bayesian Network Tomas Beuzen ○
14.30 - 14.50	Assessment of Tsunami Heights and Currents in Indian Ocean Ports Jose Borrero ○	Probabilistic Assessment of Drifting MODU Risks Timothy Womersley ○	Modelling and Validation of Contained Dredge Material Placement for Carnarvon Boat Harbour Zachariah Couper ○	Coastal Processes and Management in Byron Bay, Australia James Carley ○	Using High-density Concrete to Enhance the Stability of Armour Units Dan Howe ○	Observations of Beach Recovery in SE Australia Following the June 2016 East Coast Low Mitchell Harley ○
14.50 - 15.10	Physical Modelling of Wave Setup in Deep and Shallow Mobile Bed River Entrances Tom Baldock ○		Spatial Impacts of Dredging on Light and Sediment Deposition Clair Stark ○	Reef 2050 Plan Rachel Parry ○	Breakwater Design, Contracting Strategy, and Construction – Shell Cove Boat Harbour Greg Britton ○	Out of the Blue: Could Australia Adopt Coastal Forecasting Systems to Benefit Coastal Engineering Daniel Rodger ○
15.10 - 15.40	Afternoon Tea, Poster Displays and Trade Exhibition					Halls C & D

WEDNESDAY 21 JUNE 2017 (CONTINUED)

15.40 - 17.20 Concurrent Sessions						
	13 TIDES, STORM SURGES, LONG WAVES AND TSUNAMIS	14 SHIPPING, NAVIGATION AND PORT OPERATIONS	15 PORTS AND MARINE FACILITIES	16 INTEGRATED COASTAL ZONE MANAGEMENT	17 BREAKWATERS AND EROSION AND FLOOD MITIGATION COASTAL STRUCTURES	18 COASTAL RISK AND MANAGEMENT
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Tom Baldock	Peter O'Brien	Scott Keane	Jon Williams	Stuart Bettington	Tim Green
15.40 - 16.00	Global-to-local Scale Storm Surge Modelling on Tropical Cyclone Affected Coasts Simone De Kleermaeker <input type="radio"/>	Anchors Aweigh? The Visible and Invisible Effects of Anchored Ocean-Going Vessels Chantel Steele <input type="radio"/>	A New Approach for the Management of Cathodic Protection Systems Kevin Morton <input type="radio"/>	50 Years of Seawall and Nourishment Strategy Evolution on the Gold Coast Angus Jackson <input type="radio"/>	Modelling Fully Coupled Fluid Structure Interaction using the Computational Toolkit Proteus Stephen Richardson <input type="radio"/>	Implementation of Trigger Based Coastal Management Strategies Matthew Barnes <input type="radio"/>
16.00 - 16.20	Wellington Airport Runway Extension – Surf Break Impact Assessment Benjamin Tuckey <input type="radio"/>	Burrum Heads Boat Ramp - 25 Years in The Making Senarath Weerakoon <input type="radio"/>	The Application of Geophysical Survey to Maritime Structural Engineering Tim Crawford <input type="radio"/>	Building with Nature - An Integrated Approach for Coastal Zone Solutions using Natural, Socio-Economic and Institutional Processes Tom Wilms <input type="radio"/>	Case Study: Engineering Challenges for a Design and Build Breakwater Project in North-West Australia Hubert Vander Meulen <input type="radio"/>	Discussion of Risk-based Approaches to Coastal Hazard Assessment and Management in New Zealand Reuben Hansen <input type="radio"/>
16.20 - 16.40	Testing OpenFOAM in Continental Scale Simulations Zhifang Hu <input type="radio"/>	The Investigation of Marine Ship Engine Emission Behaviour Using Numerical Simulations Rong Situ <input type="radio"/>	Port of Brisbane Crane Rails Improvements Peter Cummings <input type="radio"/>	Flexible Adaptation Planning: The Cockburn Sound Coastal Alliance Experience Doug Vickery <input type="radio"/>	Rock Seawall Design and Construction with Deeper Toes for Climate Change Martin Mulcahy <input type="radio"/>	PIANC Guideline – Environmental Risk Management of Navigational Infrastructure Projects Kevin Kane <input type="radio"/>
16.40 - 17.00	Quantifying the Fraction of Broken Waves on a High Energy East Coast Australian Beach Caio Eadi Stringari <input type="radio"/>	Northport Stormwater: A Shellfish Friend or Foe? Pamela Kane-Sanderson <input type="radio"/>	Using a Reliability Assessment Approach to Improve Upgrade and Renewal Decisions of Existing Port and Maritime Structures David Dack <input type="radio"/>	Coastal Hazards & Climate Change: New Zealand Guidance Robert Bell <input type="radio"/>	Coastal Restoration on the Barrier Island of Cienaga Grande, Magdalena, Colombia German Rivillas-Ospina <input type="radio"/>	Enforcement of Ballast Water Convention and Sampling Challenges in Australian Ports Hossein Enshaei <input type="radio"/>
17.00 - 17.20	Do we Need to Consider Void Fractions in the Swash Zone? Thomas Darley <input type="radio"/>	Channel Optimisation and Risk Management through Technology at the World's Largest Bulk Export Port Brendan Curtis <input type="radio"/>		Framework for Nearshore Nourishment and Opportunity Assessment of Sand Patterns Placement Gildas Colleter <input type="radio"/>	Responses to Storm Surges Under Climate Change Douglas Bowers <input type="radio"/>	Spatial Management Tools for Coastal Seagrasses in Queensland, Australia Alex Carter <input type="radio"/>
17.30 - 19.00 WOMEN IN COASTAL GEOSCIENCE AND ENGINEERING NETWORKING FUNCTION						
					Sponsored by KBR	Hall A

THURSDAY 22 JUNE 2017

07.30	Registration Open						
08.30 - 09.10	KEYNOTE ADDRESS Girt by Sea Kevin Kane , Senior Manager Environment, North Queensland Bulk Ports Corporation, Mackay, Queensland				Sponsored by 	Hall A	
09.10 - 09.20	INVITED SPEAKER PIANC Working with Nature Initiative Paul Scherrer , PIANC First Delegate for France & Focal Point WwN for PIANC ENVICOM					Hall A	
09.20 - 09.30	DISCUSSION					Hall A	
09.40 - 10.40	Concurrent Sessions						
	19 SHELF AND SHALLOW WATER WAVE DYNAMICS	20 SHIPPING, NAVIGATION AND PORT OPERATIONS	21 PORTS AND MARINE FACILITIES	22 SHORELINE MANAGEMENT	23 RECREATIONAL FACILITIES, WATERFRONT DEVELOPMENT AND MARINAS	24 SEDIMENT TRANSPORT, SEDIMENT PROCESSES AND MORPHOLOGY	
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8	
Chair	Tom Shand	Michel De Vos	David Dack	Ian Coghlan	Nathan Burmeister	Darrell Strauss	
09.40 - 10.00	A Phase-Resolving Wave Model to Simulate the Interactions between Waves and Wave Energy Converters Dirk Rijnsdorp <input type="radio"/>	Real-Time Quality Control Experiences using QARTOD in Australian Ports Carsten Hofmann <input type="radio"/>	Port Adelaide N-Berth – Upgrade of a Dilapidated Timber Wharf for Offshore Supply Vessels David Mckay <input type="radio"/>	Construction Work in Remote Islands in North Queensland Challenges and Solutions Gajaba Panditha <input type="radio"/>	Shell Cove Boatharbour, Decades in the Making Ben Morgan <input type="radio"/>	The Influence of Entrance Constriction on Hydrodynamics and Intertidal Morphology within Estuarine Basins Peter De Ruiter <input type="radio"/>	
10.00 - 10.20	Wave Dynamics within a Reef-Fringed Pocket Beach Johan Risandi <input type="radio"/>	The Impact of Met-Ocean Forecasts on Export Shipping Operations on the North West Shelf of Australia Greg James <input type="radio"/>	Failure Investigation on Ageing Marine Infrastructure – Corrosion is not always the Culprit! Nick Deussen <input type="radio"/>	Port Otago Limited Working Party: Working Together for a Common Goal, Stewardship of the North Otago Coastline Rebecca McGruther <input type="radio"/>	Design of an Innovative Boat Ramp to Improve the Safety of Boat Launching and Retrieval Andrew McCowan <input type="radio"/>	High-Frequency Observations of Berm Recovery Using a Continuous Scanning Lidar Matthew Phillips <input type="radio"/>	
10.20 - 10.40	Design Values for Wave-Generated Currents on Subsea Pipelines David Provis <input type="radio"/>	Passing Ship Effects in Complex Port Geometries with Strong Current Flows Jarrold Dent <input type="radio"/>	Fremantle Rail and Traffic Bridges Pier Protection Improvements Julia Summers <input type="radio"/>	Remote Sensing, Classification and Management Guidelines for Surf Breaks of National and Regional Significance Ed Atkin <input type="radio"/>	Large Scale Floating Wetland Application for National Aquarium Matthew McCarty <input type="radio"/>	Synthesis of Analytical and Field Data on Sediment Transport over an Active Bay Shoal Alexander (Lex) Nielsen <input type="radio"/>	
10.40 - 11.10	Morning Tea, Poster Displays and Trade Exhibition					Halls C & D	

THURSDAY 22 JUNE 2017 (CONTINUED)

11.10 - 12.10 Concurrent Sessions						
	25 SEDIMENT TRANSPORT, SEDIMENT PROCESSES AND MORPHOLOGY	26 SHIPPING, NAVIGATION AND PORT OPERATIONS	27 PORTS AND MARINE FACILITIES	28 SUSTAINABILITY, AND STAKEHOLDER ENGAGEMENT	29 COASTAL PROCESSES IN COASTAL ECOSYSTEMS	30 MONITORING, INSTRUMENTA- TION AND INFORMATION SYSTEMS
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Matthew Barnes	Craig Dengate	Keith Rodel	James Guy	Remo Cossu	Charitha Pattiaratchi
11.10 - 11.30	Including Longshore Transport within a Probabilistic Beach Erosion Model Katrina Smith ○	Use of Acoustic Techniques for the Determination of Net Sediment Transport and Design of Safe Navigation Channels, Marine Supply Base, Darwin Harbour David Williams ○	Tideway Enabling Works: The Design, Planning Approval and Construction of the New Blackfriars Pier, London Andrew Turnbull ○	Technical Assessment of the Port of Brisbane Offsite Stormwater Management Pilot Michael Linde ○	The Dirawong, the Mullet Run and the Clarence River: Designing Ebb Tide Releases for Yamba and Iluka, NSW Will Glamore ○	Development and Application of a Global Satellite Database of Wind and Wave Conditions Ian Young ○
11.30 - 11.50	Evaluation of a Novel Wave Climate Reduction Method for Accelerating Morphological Simulations Ben Williams ○	Developing a Strategic Ground Model for the Gold Coast Waterways Jason Errey ○	Suitable Criteria for Safe Motion Limits of a Floating Pontoon Relative to the Postural Stability of a Stationary Standing Person Elizabeth Freeman ○	Port Sustainability Leadership in Tropical Australia Simona Duke ○	Lagoon Stratification in Manihiki Atoll, Cook Islands Hannah Power ○	Advanced Experimental Techniques for Solving Maritime Hydrodynamic Problems Gregor Macfarlane ○
11.50 - 12.10	Riverbank Stabilisation Solutions Tom Harding ○	Optimisation of Infrastructure Use at Major Ports Colin Eustace ○	400 Tonne Mooring Dolphin at the Port of Burnie, Tasmania Noel Carroll ○	Ecosystem-based Marina Development in Mauritius Gosse De Boer ○	X-band Radar System to Support Coastal Management Decisions Jon Williams ○	Mobile Phone Application Swimmer Safety: A Multi-Source Information Platform to Control Swimmer Safety at the Sandmotor Roderik Hoekstra ○
12.10	Collect Take-Away Lunch					Main Foyer
12.30 - 17.00	Field Trips					
	FIELD TRIP 1 Cairns Port and Trinity Inlet		FIELD TRIP 2 Northern Beaches Tour		FIELD TRIP 3 Green Island	
						Sponsored by  BMT Group
19.00 - 19.30	Pre-Dinner Drinks					Pullman Cairns International
19.30 - 23.00	Conference Dinner & Award Presentations					Sponsored by  DHI Pullman Cairns International

FRIDAY 23 JUNE 2017

07.30	Registrations Open						
08.30 - 09.30	KEYNOTE ADDRESS Managing Resilience of the Great Barrier Reef Under a Changing Climate Dr. Russell Reichelt , Chairman, Great Barrier Reef Marine Park Authority, Townsville, Queensland					Sponsored by 	Hall A
09.40 - 10.40	Concurrent Sessions						
	31 SEDIMENT TRANSPORT, SEDIMENT PROCESSES AND MORPHOLOGY	32 DREDGING AND RECLAMATION	33 PORTS AND MARINE FACILITIES	34 COASTAL RISK AND MANAGEMENT	35 COASTAL PROCESSES IN COASTAL ECOSYSTEMS	36 MONITORING, INSTRUMENTATION AND INFORMATION SYSTEMS	
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8	
Chair	Tanya Stul	David Phillips	Greg Britton	Gildas Colleter	Kevin Kane	Ian Young	
09.40 - 10.00	Swansea Channel: A 100 Year Case Study in Working Against Nature Nathan Handley <input type="radio"/>	Beneficial Re-use of Dredged Material – Opportunities to Enhance Port Project Value Daan Rijks & Bill Boylson <input type="radio"/>	Broome Wharf Extension of Life Project Ben McFarlane <input type="radio"/>	The June 2016 Storm at Collaroy Narrabeen Beach and Wamberal Beach – Lessons for Coastal Management in Australia Peter Horton <input type="radio"/>	Environmental Report Cards for Heavy Industry Along the Great Barrier Reef Yanni Smith <input type="radio"/>	eReefs: An Integrated Catchment and Coastal Forecasting System for the Great Barrier Reef and Queensland Coast Gary Brassington <input type="radio"/>	
10.00 - 10.20	A Comparison Between Natural and Artificial Headland Sand Bypassing in Santa Catarina and the Gold Coast Guilherme Vieira Da Silva <input type="radio"/>	Real Time Monitoring for Lyttelton Port of Christchurch Channel Deepening Project Leonie Andersen <input type="radio"/>	Upgrading/Recycling an Historic Wharf to Modern Service Levels Gary Teear <input type="radio"/>	Protection of Great Barrier Reef Seagrasses through Innovative Port Industry and Science Research Partnerships Michael Rasheed <input type="radio"/>	Long Term Ambient Water Quality Monitoring to Support Port Management in Great Barrier Reef World Heritage Area Nathan Waltham <input type="radio"/>	Strategic and Cost-Effective Networks of Miniaturised Tide Gauges John Ryan <input type="radio"/>	
10.20 - 10.40	Quantifying Calibration Data Requirements for Coastal Erosion Models: How Many Storms is Enough? Joshua Simmons <input type="radio"/>	Working with Nature in Wadden Sea Ports Martin Baptist <input type="radio"/>	Waitangi Port Upgrade – Providing a Critical Lifeline at the Edge of New Zealand Mark Foster <input type="radio"/>	A Multivariate Statistical Retrospective of a Number of High-Impact Coastal Events from the Last Decade Ron Hoeke <input type="radio"/>	Bayesian Belief Networks – Communicating Model Predictions to Non-Expert End Users David Callaghan <input type="radio"/>	NSW Beach Photogrammetry: A New, Online Database and Toolbox Alice Harrison <input type="radio"/>	
10.40 - 11.10	Morning Tea, Poster Displays and Trade Exhibition						Halls C & D



FRIDAY 23 JUNE 2017 (CONTINUED)

11.10 - 12.30 Concurrent Sessions						
	37 SEDIMENT TRANSPORT, SEDIMENT PROCESSES AND MORPHOLOGY	38 SHIPPING, NAVIGATION AND PORT OPERATIONS	39 PORTS AND MARINE FACILITIES	40 DREDGING MANAGEMENT, COMMUNITY AND ECOSYSTEMS	41 COASTAL PROCESSES IN COASTAL ECOSYSTEMS	42 COASTAL METEOROLOGY, STORMS, TROPICAL CYCLONES AND EXTREME EVENTS
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Peter Horton	David Provis	Neil Lawson	Gildas Colleter	Noel Carroll	David Callaghan
11.10 - 11.30	Assessment of the Performance of a Turbulence Closure Model: Along the Tidally-Influenced Kaipara River to the Estuary, NZ Berengere Dejeans ○	Hydrodynamics of Floating Structures and Moored Vessels – Project Case Studies Comparing Desktop Methods & Numerical Modelling Scott Collins ○	Portland's "Corkscrew" – Replacement of an Iconic Structure with a Durable Replica in a Harsh Marine Environment Mark Kamphuis ○	Sustainable Sediment Management Assessment – A Case Study Kevin Kane ○	Turbidity Dynamics in a Hypertidal Tropical Channel Shirley Dawe ○	Comparing Extreme Water Levels from Different Techniques and Impact of Climate Indices Edward Couriel ○
11.30 - 11.50	Modifications in the Shoalhaven Estuary and the Coastal Sediment Budget in the Past 40 Years Rafael Carvalho ○	Development of Emission Factors for Ship's Emission at Berth Sanaz Jahangiri ○	Reconstruction of Cashin Quay 2 Container Wharf Gary Chalmers ○	Development of a Seagrass Condition Report Card for Highly Variable and Diverse Meadows in Ports Jaclyn Wells ○	Application of XBeach to Model Erosion of a Beach Fronted by Aquatic Vegetation Arnold Van Rooijen ○	Australia-wide Tropical Cyclone Multi-hazard Risk Assessment Joanna Burston ○
11.50 - 12.10	Anthropogenic Influences on Coastal and Estuarine Morphodynamics, A Case Study: Port of Ribadeo, Spain Matthew Prumm ○	Validation of Moored Vessel Response Simulator with Physical Model Comparisons Alex Harkin ○	Maritime Simulations: Providing a Solid Foundation for Port Design Matt Best ○	Dredge and Operational Plume Modelling, Eden Breakwater Wharf Extension Jessica Ryan ○	Monitoring Estuary Conditions in Glenelg River Estuary for Environmental Flows Christine Lauchlan Arrowsmith ○	Monitoring and Modelling Extreme Wave Conditions during Tropical Cyclone Nathan Paul Boswood ○
12.10 - 12.30	Reverting the Brisbane River Estuary from Brown to Blue; Insights from Seemingly Seasonal Fluctuations in Turbidity Jesper Nielsen ○	Rio Tinto Iron Ore - Strategic Channel Optimisation and Management Joel Bailey ○	Overcoming Soft Ground Conditions at the Lyttelton Port of Christchurch Charles McDermott ○	Securing Approvals in the Great Barrier Reef World Heritage Area for the Abbot Point Growth Gateway Project Tasman Graham ○	Variability across a Macro Tidal Estuary System in Northern Australia Christine Lauchlan Arrowsmith ○	Combining Holland Cyclone and Global Atmospheric Winds, Recent Experience in Western Australia Toby Devlin ○
12.30 - 13.30	Lunch, Poster Displays and Trade Exhibition					Halls C & D

FRIDAY 23 JUNE 2017 (CONTINUED)

13.30 - 14.30 Concurrent Sessions						
	43 SEDIMENT TRANSPORT, SEDIMENT PROCESSES AND MORPHOLOGY	44 SHIPPING, NAVIGATION AND PORT OPERATIONS	45 PORTS AND MARINE FACILITIES	46 FATE OF DREDGED MATERIAL AND MORPHOLOGIC RESPONSE TO DREDGING	47 ADAPTATION AND MANAGEMENT IN IN COASTAL ECOSYSTEMS	48 MONITORING, INSTRUMENTATION AND INFORMATION SYSTEMS
Room	Hall A	Meeting Room 2	Meeting Room 4	Meeting Room 5	Meeting Room 6	Meeting Room 8
Chair	Tiedo Vellinga	Scott Collins	Ian Wallis	Ian Teakle	Kristen Splinter	Daniel Rodger
13.30 - 13.50	The Influence of Nearshore Sandbars on Coastal Stability in Port Geographe, South-West Australia Charitha Pattiaratchi ○	Representing Spatially Varying Wave Conditions in Dynamic Mooring Analysis Matthijs Benit ○	Approaches to Life Evaluation of Rubber Marine Fender Hitoshi Akiyama ○	Port Maintenance Operations by Geosynthetic Dewatering Tubes – Working Principles and Practical Experience Markus Wilke ○	Adaptation to Coastal Inundation in a Low-Lying, Highly Dynamic Regional Area Tanya Stul ○	Condition Survey of Coastal Structures Using UAV and Photogrammetry Sam King ○
13.50 - 14.10	Morphological Modelling for the Gold Coast using Wave Classification Gaëlle Favre ○	Esperance Berth 3 Dolphins: Refinements for Long Period Wave Conditions Luke Campbell ○	Marine Assets – A Review of Available Inspection Guidelines and Options for Meeting Identified Shortfalls Colin Hedderwick ○	Towards a Guideline Document on Dredge Plume Modelling in the Context of Environment Impact Assessment in Australia Chaojiao Sun ○	Managing Sensitive Habitats Adjacent to the Port Botany Expansion Craig Blount ○	LNG Propelled Short-Sea Shipping in Australia; An Opportunity or Obligation? Shantha Jayasinghe ○
14.10 - 14.30	Sediment Concentration Profiles and Transport Dynamics Near the Port of Brisbane, Moreton Bay, Queensland Ryan Beecroft ○	Dynamic Mooring Analysis to Investigate Long Period Wave-Induced Vessel Motions at Esperance Port Prema Bhautoo ○	Balancing the Development of Northern Australia with the Preservation of its Natural Assets: A Case Study on Darwin's Marine Industry Park Mike Butler ○	Hydrodynamic and Sediment Plume Modelling in a Macro-tidal Estuary Oleg Makarynsky ○	The Rise and Fall (and Rise) of Winston Island Shaw Mead ○	A Review on Ocean Acidification as a Result of Shipping Emissions in Harbors Siamak Gharahjeh ○

14.30 - 15.00 CONFERENCE CLOSE

Hall A

C&P2019 Conference Announcement

15.00 - 15.30 Closing Drinks, Poster Displays and Trade Exhibition

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