

NZCS DRAFT Conference Programme 2019

Tuesday 12 November 2019	
18:00– 20:30	Ice Breaker Reception , Handlebar, 25 Tay Street, Invercargill

Wednesday 13 November 2019			
DAY 1		New Zealand Coastal Society Annual Conference 2019, Invercargill	
start	end		
8:00	9:30	Registration and Tea/Coffee (Refuel Station/The Balcony, Transport World)	
9:30	10:00	Mihi Whakatau Welcome and Conference Opening by NZCS Chair Paul Klinac	
10:00	10:50	KEYNOTE ADDRESS: Dr Rebecca McLeod <i>The Story of the Fiordland Marine Guardians</i> Sponsored by Ministry for Primary Industries	
10:50	11:10	Morning Tea (Engine Room)	
DAY 1		SESSION 1	
start	end	Stream 1	Sea Level Rise 1
11:10	11:30	Jozaei et al.	Resilience and vulnerability: oxymorons in the coastal vulnerability discourse and the way forward to more resilient New Zealand coastal communities
11:30	11:50	Blackett et al.	Serious games to empower climate change adaptation – A demonstration of three games.
11:50	12:10	Bell et al.	New Zealand’s Coastal Flooding Exposure Under Future Sea-level Rise
12:10	12:30	Bell et al.	Framework for Aotearoa New Zealand’s 1st National Climate Change Risk Assessment
start	end	Stream 2	Ecology and Ecosystems 1
11:10	11:30	Cummings et al.	Anticipating climate change effects on New Zealand coastal fisheries
11:30	11:50	Cryer	National surveys of recreational harvest in New Zealand: what do they catch and what else are they up to?
11:50	12:10	Van Halderen	Rāhui and Rangatiratanga: Investigating rāhui as a customary fisheries management tool
12:10	12:30	Roberts et al.	Applying Spatially-Explicit Risk Assessment to Maui and Hector’s dolphins conservation management
start	end	Stream 3	Ocean and Modelling
11:10	11:30	Suanda et al.	The MOANA project ocean hindcast: Data access and model-data comparisons
11:30	11:50	Greer et al.	Understanding the Dynamics of Plastics in the Coastal Environment
11:50	12:10	Neale et al.	“Waste of Our Time” – a lesson in plastic pollution and landfill management from the South Westland clean-up ‘Operation Tidy Fox’
12:10	12:30	Collins et al.	Oceanic flow patterns and their influence on dispersing material on the west coast of the Manawatu-Whanganui Region.
12:30	13:30	Lunch/AGM	
13:30	14:25	Panel Discussions (Estuaries and Climate Change)	
DAY 1		SESSION 2	TITLE

start	end	Stream 1	Sea Level Rise 2
14:30	14:50	Beethem et al.	Accounting for morphodynamics in assessments of coastal vulnerability to sea-level rise: lessons from Tuvalu
14:50	15:10	Mead	Climate Change Resilience in Eastern Tongatapu
15:10	15:30	Kubale	Climate Change Resilience: the Temaiku Land and Urban Development Project in Kiribati
start	end	Stream 2	Ecosystems 2
14:30	14:50	Walker et al.	Per- and Poly-fluoroalkyl Substances (PFAS) in fish and macroinvertebrates within the Waitemata Harbour
14:50	15:10	Cave	The March 2019 Fanworm Incursion Gisborne Harbour
15:10	15:30	Gibson	Black petrels, from coast to coast to forest
start	end	Stream 3	Coastal Science 1
14:30	14:50	Krier-Mariani et al.	A new wave of observations on the rocky edge and its hydrodynamical repercussions
14:50	15:10	Bryan et al.	Using Colour Information from Sentinel-2 to Evaluate Estuarine Health: Preliminary Trial
15:10	15:30	Flowers et al.	Life in a dimming world: Effect of light availability on intertidal benthic primary production
15:30	16:00	Afternoon Tea (Engine Room)	
DAY 1		SESSION 3	
start	end	Stream 1	Water Quality
16:00	16:20	Gower et al.	Drones for coastal water quality sampling: A novel solution for sampling in challenging situations
16:20	16:40	Davies-Colley et al.	Rapid boat survey of contaminated river plumes in coastal waters using PUFTS (Portable Underway Flow-Through Sampler)
16:40	17:00	Ivamy	Tsunami Response and Recovery – Local lessons from the Great East Japan Earthquake
start	end	Stream 2	Ecosystems 3
16:00	16:20	Battershill	Can we move coastal ecosystems away from the edge? Marine spatial planning, marine reserves and resilience enhancement in New Zealand and Australia.
16:20	16:40	Morgan	What will become of our coastal fringe habitats and systems?
16:40	17:00	Kinglesy	Retraction of eroded <i>Spartina alterniflora</i> in Yancheng Nature Reserve- a threat to Red-Crowned Crane Habitat
start	end	Stream 3	Coastal Science 2
16:00	16:20	Jones et al.	Bridging the gap: An operational framework for implementing best practice guidelines in environmental modelling
16:20	16:40	Clark et al.	Environmental metabarcoding as a novel tool for coastal management
16:40	17:00	Glover et al.	Habitat mapping of <i>Macrocystis pyrifera</i> (<i>M. pyrifera</i>) along nearshore coastal Southern Otago, New Zealand

Thursday 14 November 2019

DAY 2				New Zealand Coastal Society Annual Conference 2019, Invercargill	
start	end				
7:30	8:45	Student Breakfast (The Balcony, Transport World)			
8:00	8:55	Registration (Refuel Station, Transport World)			
8:55	9:50	KEYNOTE ADDRESS: Dr Cliff Law <i>Coastal Acidification: Rate, Impacts & Management</i> Sponsored by NIWA			
DAY 2		SESSION 4			
start	end	Stream 1	Coastal Hazard 1		
10:00	10:20	MacDonald et al.	Can 1m of uplift offset 1m of Sea Level Rise? An investigation into the post-earthquake response of mixed sand and gravel beaches, Kaikoura, New Zealand		
10:20	10:40	Shen et al.	Experimental studies of tsunamis generated by submarine volcanic eruptions		
10:40	11:00	Borrero	Field Survey and Preliminary Modelling of the Tsunami Generated by the 22 December 2018 Eruption of Anak Krakatoa Volcano		
start	end	Stream 2	Ecosystems 4		
10:00	10:20	Duder	The Hauraki Gulf - SOS, or the Turning Point?		
10:20	10:40	Jackson et al.	Downtown Public Space marine ecological enhancements		
10:40	11:00				
start	end	Stream 3	Coastal Science 3		
10:00	10:20	Tidey et al.	250 years of navigation, map making and Belonging		
10:20	10:40	Meissner et al.	Navigating New Zealand to a thriving Blue Economy		
10:40	11:00	McKenzie	Insights into surfing as a nature based blue space physical activity that not only promotes wellbeing but is moving the maxim; live to surf to surf to live.		
11:00	11:20	Morning Tea			
DAY 2		SESSION 5			
start	end	Stream 1	Coastal Hazards 2		
11:20	11:40	Hart et al.	Multi-hazard prone coasts – where are we now, and where to from here?		
11:40	12:00	Todd et al.	Avon-Heathcote Ihutai Estuary Edge Inventory: Assessing the condition of structures along the Eastern Edge post CES		
12:00	12:20	Montgomery et al.	The role of mangroves in coastal flood protection: A New Zealand perspective		
12:20	12:40	Serrano	Understanding hydrological hazards risks for assets and operations in oil and gas terminals: BP natural hazards risk screening with Lyttelton as case study.		
12:40	13:00	Knook et al.	Value engineering of coastal revetments by combined physical and numerical Modelling		
start	end	Stream 2	Coastal Communities		
11:20	11:40	Bennet	Retaining Maturanga Maori (as Maturanga Maori).		
11:40	12:00	Coombes	Recognising Mana Whenua values through the removal of moorings from Ōkahu Bay, Auckland		

12:00	12:20	McCarter	Consenting and community engagement processes
12:20	12:40	Simons-Smith	Going with the drift...wood – flexibility in coastal management, Ōhinepouwera (Karitāne Sand Spit)
12:40	13:00	Smith	Bushy Point – a Coastal Habitat Restoration Project
start	end	Stream 3	Coastal Science 4
11:20	11:40	Olufson	Components and Costing of Managed Retreat in a Coastal Setting
11:40	12:00	Beya et al.	Concept Design for the Hawke's Bay Coastal Strategy Short Term Pathways
12:00	12:20	Shand	Assessment of the effects of engineering works at a surf break at Mangamaunu, Kaikōura
12:20	12:40	Albuquerque et al.	The past and future wave climate of New Zealand: from hindcasts to projections
12:40	13:00	MacDonald et al.	Sensitivity analysis of a Delft3D fine-sediment transport model: Case study Wairoa Estuary and Tamaki Strait
13:00	13:30	Lunch	
Field Trips			
13:30	17:00	Field Trips	
Pre-Dinner Drinks			
18:40	19:30	Pre-Dinner Drinks	
19:30	LATE	Conference Dinner	

Friday 15 November 2019			
DAY 3	New Zealand Coastal Society Annual Conference 2019, Invercargill		
start	end		
8:00	8:55	Registration (Refuel Station, Transport World)	
8:55	9:45	KEYNOTE ADDRESS: Graeme Blick (LINZ) <i>Mapping New Zealand 2025</i> Sponsored by Tonkin + Taylor Ltd	
9:45	10:20	Morning Tea (Engine Room)	
DAY 3		SESSION 6	
start	end	Stream 1	Coastal Engineering
10:20	10:40	Sheppard et al.	Downtown Ferry Basin Redevelopment: Concept Development
10:40	11:00	Rivers	Utilising a Coastal Asset Inspection App to Manage Auckland's Coastal Assets
11:00	11:20	Soltau	Auckland Rocks. Or does it.
11:20	11:40	Wolf	Is shoreline protection against rising sea levels and erosion, with stabilization and regeneration of the ecosystem a realistic dream for New Zealand?
11:40	12:00	Davis	Shoreline engineering with sand – Shelly Beach
start	end	Stream 2	Coastal Planning
10:20	10:40	Eaves et al.	Coastal zone management, a case for integrating economic impact modelling and Robust Decision Making with scenario planning.

10:40	11:00	Atkin	The New Zealand Association for Surfing Research and Management Guidelines for Surfing Resources
11:00	11:20	Robichaux et al.	Implementing adaptive coastal risk management across scales
11:20	11:40	Davis et al.	Biosecurity management on Aotea: Great Barrier Island. Feasibility study for an on-island hull cleaning and maintenance facility.
11:40	12:00		
start	end	Stream 3	Coastal Science 5
10:20	10:40	Davies-Calway et al.	Video analysis of the change in horizontal position of the frontal sand dune toe/vegetation line
10:40	11:00	Stewart et al.	Using radium isotopes and hydrodynamic modelling to investigate groundwater associated nutrients into Tauranga Harbour (New Zealand)
11:00	11:20	Tablada et al.	Sediment dynamics in a wave-exposed tidal flat
11:20	11:40	Nguyen et al.	Stabilizing effects of exposure on cohesive sediments from an intertidal mudflat
11:40	12:00	Dodd et al.	Changes at the Mouth of the Avon-Heathcote Estuary - a 2019 Update
12:00	12:30	Conference Closing and Awards	
12:30	13:30	Lunch	
13:30		CONFERENCE CONCLUDES	

Poster Presentations	
Displayed in the gallery leading to conference rooms at Transport World	
Harnessing Wave Energy: Feasibility of Utilising Point Absorbers and Attenuator Converters to Generate Sustainable Electricity in New Zealand Bond et al.	
Local scale sea level rise exposure assessment: an exploratory approach Boyle et al.	
Plastic Problems: Investigation of Microplastic Concentrations in Invercargill City Waterways Edginton et al.	
Shore platform generation on tectonic coastlines: are they preserved and for how long? Horton et al.	
Surveying and Marine Science: using bathymetric data to complement marine science investigations in Port Pegasus, Stewart Island Morrison et al.	
Morphology and Tidal Asymmetry Changes in the Avon-Heathcote Estuary Rogers et al.	
Swimming with dolphins? Investigating the effect of current legislative actions to mitigate human-dolphin interaction on existing resident and visiting bottlenose populations in the Bay of Islands Sherbanowski et al.	
Student Hydrographers Professional Coastal Science Projects at the School of Surveying, University of Otago Tidey et al.	

