

## PRELIMINARY PROGRAMME 12 MARCH

WEDNESDAY 23 MAY 2018				
9.00am	<b>Welcome and Conference Opening:</b> <b>Keynote Address:</b> <i>James Lenhart, Contech Engineered Solutions, USA</i>			
10.30am	Morning Tea [Venue: Exhibition Area]			
	<b>Wai Ora</b>	<b>Design Construction Performance</b>	<b>Future Ready</b>	<b>Governance &amp; Planning</b>
11.00am	Storymaps: Sharing Your Watershed Plans <i>Daniel Nutsford</i>	Evolving Water Quality Management In The Rotokauri Catchment, Hamilton <i>Caleb Clarke &amp; Lance Haycock</i>	Integrated Catchment Management Planning for the Next Generation <i>Zeb Worth</i>	Affordability of Stormwater and Flood Risk Management Schemes for Local Government <i>Sarah Dudson</i>
11.30am	Tools For Water Quality Prediction And NPS-FM Implementation In Urban Settings <i>Dr Jenni Gadd</i>	Bioretention – Practical Lessons Learnt From Applications in Christchurch <i>Peter Christensen</i>	Christchurch Multi-Hazard Analysis Approach <i>Tom Parsons</i>	Walking the 'Road Map' of Global Stormwater Management for Urban Catchments <i>Grant Russell</i>
12.00pm	Flooded with Opportunities - Turning Flood Management Mitigation Schemes into Community Assets <i>Amber Murphy &amp; Karissa Hyde</i>	Stormwater Management Devices for the Auckland Region – Success in Our Sites <i>Dr Gretel Silyn-Roberts &amp; Branko Veljanovski</i>	The Realities of Adaptive Flood Risk Management <i>Dr David Cobby</i>	Infrastructure Renewal – Maximising Public Benefit Through Collaboration and Engagement <i>Jenny Vince &amp; Caroline Crosby</i>
12.30pm	Lunch [Venue: Exhibition Area]			
1.30pm	<b>Innovation Section:</b>			
	<b>Catchment and Asset Management planning</b>	<b>Design Construction Performance</b>	<b>Stormwater Quality Management</b>	<b>Governance &amp; Planning</b>
2.30pm	Stormwater Management for Regeneration of the Three Kings Quarry <i>Roger Seyb</i>	Performance of New Stormwater System at Fonterra Tirau <i>Dr Malcolm Peacey</i>	Tauranga Comprehensive Stormwater Consent Monitoring - The First Five Years <i>Kieren Miller &amp; Radleigh Cairns</i>	Stormwater Bylaw Implementation <i>Claire Cunningham</i>
3.00pm	Takanini 1 – Planning to Reduce Flood Risk <i>Lisa Dowson</i>	RNZAF Base Auckland - A Strategic Approach to Stormwater Management <i>Rob Van der Munchoff &amp; Julie Irvine</i>	OIEWG Petroleum Industry Guidelines - An Update <i>Martin Robertson</i>	Developing National Good Management Practices for Urban Stormwater <i>Sarah Boone &amp; Jo Burton</i>

3.30pm	Afternoon Tea [Venue: Exhibition Area]			
	<b>Catchment and Asset Management planning</b>	<b>Design Construction Performance</b>	<b>Future Ready</b>	<b>Stormwater Quality Management</b>
4.00pm	Setting Limits for E.Coli - the Urban Allocation <i>Michelle Sands</i>	Implementation of Auckland Unitary Plan SMAF Rules: A Stormwater Engineer's Experience <i>Hannah Law &amp; Jonathan Chambers</i>	A Resilience-Based Method for Primary Stormwater Management Systems Under Water Sensitive Design for Flood Control <i>Nariman Valizeh</i>	Safeswim – A Sea Change in Assessing Beach Water Quality Risk <i>Dr Martin Neale</i>
4.30pm	Confronting the Residual Effects of Development on Stormwater <i>Andrea Phillips</i>	Bio-Filtration Raingarden, from Design to Built <i>Tony Wang</i>	Emergent Challenges Adapting Coastal Stormwater and Drainage Systems <i>Dr Rob Bell</i>	The Effectiveness of Interventions to Achieve Healthy Waters <i>Tom Porter</i>
5.00pm	Catchment Planning – What Level of Detail is Appropriate When Modelling Future Development Scenarios <i>Robert Kelly</i>	Using Biophilic Design To Enhance Stormwater Management <i>Brendan Oversby</i>	Climate Change and Impact on Stormwater Systems – Can We Change Our Future? <i>Liam Foster</i>	LDCP Framework for Setting Load Limits in Urban Catchments <i>Dr Kalyan Chakravarthy</i>
5.30pm	Abergeldie Harker Welcome Function [Venue: Exhibition Area]			

THURSDAY 24 MAY 2018				
9.15am	Keynote Address:			
10.00am	Morning Tea [Venue: Exhibition Area]			
	<b>Catchment and Asset Management planning</b>	<b>Design Construction Performance</b>	<b>Design construction performance</b>	<b>Wai Ora</b>
10.30am	Acid Sulphate Soils: Identification and Management in NZ's Largest Airport <i>Hayden Easton</i>	Calibration of Runoff-Routing Models for the Port Hills Catchments <i>Mark Passier Sally Williams</i>	Unique Soakage Design for the Three Kings Quarry <i>Gerald Strayton</i>	Improving Bathing Water Quality: Auckland Case Studies <i>Tom Porter</i>
11.00am	Operations and Maintenance of Stormwater Control Measures <i>James Lenhart</i>	Application of Artificial Intelligence (AI) Technique to Forecast Runoff from a Catchment <i>Dr Babar Mahood</i>	Soakage in Accordance With E1/VM1: That's Just a Start <i>Iain Smith &amp; Sian France</i>	Safeswim, Wai Ora and the NPSFM <i>Andrew Schollum</i>
11.30am	Avon River Modelling Bears Fruit <i>Tom Parsons &amp; Tim Preston</i>	Continuous Simulation Modelling To Support Healthy Waterways <i>Dr Jahangir Islam &amp; Josh Irvine</i>	Fish Passage Design for a Stormwater Facility to Achieve Ecological Connectivity and Stormwater Treatment Outcomes <i>Marcia Ho</i>	The New Zealand Fish Passage Guidelines 2018: Rising To The Challenge Of Reconnecting Our Waterways <i>Dr Eleanor Gee</i>

12.00pm Lunch [Venue: Exhibition Area]				
	Wai Ora	Future Ready	Governance & Planning	Design Construction Performance
1.00pm	Culturally Enhanced Stormwater Management – Intergration With Te Ao Māori <i>Troy Brockbank</i>	Rising Expectations - Sea Level Rise Effects on the Stormwater System at Auckland International Airport <i>Edwin Nixon</i>	The Devil is in the Detail: is the Planning Process Enabling Stream Loss? <i>Justine Quinn</i>	Soft Solutions For Hard Engineering Problems <i>Linda Norman</i>
1.30pm	Use of Watershed Plans to Support NPSFM Engagement <i>Claire Cunningham</i>	Improving Operational Use of Scanning Rain Radar Estimates with Vertically Pointing Radar <i>Ken Williams</i>	Collaborative Solutions to Urban Stormwater Management <i>Mark Newton</i>	For Better Understanding Of The Intent of AS/NZS 3725:2007 – Case Study <i>Husham Issa Al-saleem &amp; Dene Cook</i>
2.00pm	Development of a Freshwater Management Tool to Support Integrated Watershed Planning for Auckland Waterways <i>Caleb Clarke</i>	Lake Rotorua – Wai Ora Mo A Maatau Mokopuna <i>Keith Frenz &amp; Andy Bruere</i>	An Applied Stormwater Education Programme <i>Mike Hannah</i>	
2.30pm Afternoon Tea [Venue: Exhibition Area]				
	Stormwater Quality Management	Future Ready	Design Construction Performance	Design Construction Performance
3.00pm	Copper and Zinc Concentrations from an Artificial Turf Field <i>Ed Clayton</i>	Judgement and Decision Making Under Stress–Making the Right Choice <i>Britta Jensen &amp; Josiah Simmonds</i>	On-Site Water Management: A Case Study in Sustainable Urban Development <i>Dr Katherine Heays</i>	
3.30pm	Diesel Exhaust Fluid – Innovative Stormwater Treatment Trials <i>Dr John Cheah</i>	Pluvial Flood Risk at Auckland Coastal Settlements <i>Richard Smedley</i>		
4.00pm	The Benefits of Continuous Simulation Stormwater Quality Modelling in Christchurch <i>Gareth Bailey</i>	You want WSUD With That? Identifying and breaking barriers to uptake <i>Jonathan Moores, Sue Ira, Dr Robyn Simcock &amp; Dr Chris Batstone</i>	Rain Garden Maintenance Costs in an Industrial Development <i>Jeremy Rees</i>	
	Stormwater Education and Training Meeting			
	Stormwater Group Annual General Meeting			
	CKL Pre-Dinner Drinks			
	Conference Dinner			

#### FRIDAY 25 MAY 2018

9.30pm -  
1.30pm

Site Visits

Site Visit 1