

2019 Conference Program



STORMWATER
VICTORIA
2019 CONFERENCE

River for Liveability

Promote,
Protect,
& Preserve

Marysville, Victoria | 4th - 5th June 2019

CONFERENCE PROGRAM - TUESDAY 4TH JUNE 2019

8.00 am	Conference Registration – Tea and Coffee on Arrival			
	All Plenary Sessions will be held in the Steavenson Ballroom (1, 2 and 3)			
9.00 am	Welcome to Delegates Elizabeth Smolinska <i>Conference Chair, Stormwater Victoria</i>			
9.10 am	Opening Address Chris Beardshaw <i>President, Stormwater Victoria</i>			
9.15 am	Platinum Sponsor Presentation			
9.20 am	Keynote Presentation Christine Nixon <i>Former Chief Commissioner, Victoria Police</i>			
10.00 am	Keynote Presentation Assoc Professor Ian Rutherford <i>School of Geography, The University of Melbourne</i>			
10.40 am	Morning Tea			
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
Room	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
11.15 am – 11.45 pm	VC154: A Planner’s Perspective (How Did We Get Here and What Does It Mean?) <u>Esther Kay,</u> <i>Environment & Land Management</i>	Travelling Through Yarra Ranges’ WSUD Transformation <u>Patrick Jeschke,</u> <u>Matthew Pilcher,</u> <i>Yarra Ranges Shire Council</i>	Unlocking the Superpowers of Street Trees: Green-Blue Infrastructure for Healthy Streets & Waterways Dale Browne, <u>Jarrod Luxton,</u> Steven Buck, <i>E2Designlab</i>	Greening the Pipeline: Transforming A Sewer Reserve Into A Vibrant Community Space <u>Dan OHalloran,</u> <i>Alluvium Consulting</i>
5 minutes to change rooms				

	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
Room	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
11.50 am – 12.20 pm	<p>Understanding the Key Construction Hold Points for Bio-Retention Systems and Wetlands</p> <p><u>Katrina Hawkins</u>, <i>Clearwater</i>, <u>Rachelle Adamowicz</u>, <i>Melbourne Water</i></p>	<p>Complexities in Flood Modelling and Mitigation for Large Infrastructure Projects – Rosanna Level Crossing Removal</p> <p><u>Elizabeth Smolinska</u>, <i>Jacobs</i></p>	<p>Stormwater Management to Save the Rivers and Contribute to Integrated Water Management</p> <p><u>Professor Veeriah Jegatheesan</u>, <i>RMIT University</i>, Ashantha Goonetilleke, <i>Queensland University of Technology</i>, John Van Leeuwen, <i>University of South Australia</i> Jaya Kandasamy, <i>University of Technology Sydney</i>, Douglas Warner, <i>University of Hertfordshire</i>, Baden Myers, <i>University of South Australia</i></p>	<p>Improving Management for Water Sensitive Areas, A Rural Setting</p> <p><u>Matthew Gaité</u>, <i>Storm Consulting</i>, Rowan Hore, <i>Melbourne Water</i></p>
12.20 pm	Lunch			
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
1.20 pm – 1.50 pm	<p>Melbourne Water Drainage Schemes: Friend or Foe?</p> <p><u>Jamie Tainton</u>, <i>LDeng</i></p>	<p>Monbulk Creek: Retrofitting Energy Dissipation Techniques to Improve Waterway Health in Steep, Existing Urban Catchments</p> <p><u>Joshua Paris</u>, <i>Spiire</i>, Beth Wallis, <i>Yarra Ranges Council</i></p>	<p>Combining Stormwater Treatment and Frog Conservation Objectives in a Wetland with an Industrial Catchment</p> <p><u>Angela Ganley</u>, <i>Hume City Council</i></p>	<p>Water Sensitive Drainage and Flood Management Strategy for Fishermans Bend</p> <p><u>Philip Joyce</u>, <i>GHD</i> Sam Innes, <i>City of Port Phillip</i></p>
5 minutes to change rooms				

	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
1.55 pm – 2.25 pm	<p>ARR2016 Temporal Patterns for Urban Drainage and Flood-Modelling. Do We Need To Run Them All?</p> <p><i>Glenn Ottrey, Engeny Water Management</i></p>	<p>Innovative Stormwater Management Approach to Reduce Flooding Impact</p> <p><i>Sainath Tavate, Knox City Council</i></p>	<p>Assembling High Resolution Spatial Datasets for Robust Effective Imperviousness Modelling</p> <p><i>Dr Joshphar Kunapo, Grace Detailed-GIS Services, Dr Christopher Walsh School of Ecosystem and Forest Sciences, The University of Melbourne</i></p>	<p>Monash National Employment and Innovation Cluster: IWM Precinct Scale Strategy</p> <p><i>Sarah Hollis, Water Technology</i></p>
5 minutes to change rooms				
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
2.30 pm – 3.00 pm	<p>Who Let the Economists Into the Decision Making Tent? Insights From Urban Waterways in Victoria</p> <p><i>Lili Pechey, Dr Buyani Thomy, Natural Capital Economics</i></p>	<p>Wetland Peninsular - Wetland Saviour or Erosion Point</p> <p><i>Chris Beardshaw, Afflux Consulting, Colette Newcome, Melbourne Water</i></p>	<p>Seasonal Eco-Hydrological Regimes and Local Catchment Modelling to Protect High Value Ecosystems in Urbanizing Catchments.</p> <p><i>David Carew, Andrew John, Dom Blackham, Alluvium Consulting, Prof Barry Hart Water Science Pty Ltd</i></p>	<p>Monitoring and Evaluating Stormwater Targets in the Port Phillip and Westernport Healthy Waterways Strategy</p> <p><i>Sharyn Rosrakesh, Andrew Grant, Melbourne Water</i></p>
3:00 pm – 3:30 pm	Afternoon Tea			

	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
Room	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
3.30 pm – 4.00 pm	<p>A Framework to Map Social Values of Waterways and Target Areas for Investment</p> <p><u>Milos Pelikan, Jacobs</u></p>	<p>Banyule Swamp, My Neighbour, Will You Give Me A Glass of Water?</p> <p>Cintia Dotto, Bertrand Salmi, <u>Sarah Hollis, Water Technology Sarah Gaskill, Melbourne Water Sian Gleeson, Robert Powell, Banyule City Council</u></p>	<p>Way Beyond Best Practice: Grassed Based ZAM-WSUD Profiles Demonstrate Up To 80% Total Nitrogen Removal</p> <p><u>Dr Harsha Fowdar, Monash University, Prof Ana Deletic, University of New South Wales, Simon Brink, Manningham Council</u></p>	<p>Selling Flood Mapping Results to a Sceptical Public</p> <p><u>Stephen D'Agata, City of Boroondara</u></p>
5 minutes to change rooms				
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Collaboration and Integration
	Keppel Room	Marylands Room	Cumberland Room	Kooringa Room
4.05 pm – 4.35 pm	<p>Lot Scale Rainwater Harvesting and Future Flood and Drought Risks in the City Of Whittlesea</p> <p><u>Dr Edmond Lascaris, Sultana Baby, Bradley Byrne, Stephen Comben, Peter Ali, Simone Chetwynd-Brown, Ben Harries, City of Whittlesea, Nahlah Abbas, Central Queensland University</u></p>	<p>'Fixing the Gaps' for Successful WSUD Asset Management</p> <p><u>Jamie Comley, J Comley Consulting, Stuart Joyce, Morphum Environmental</u></p>	<p>Stormwater Treatment, Harvest and Reuse--A Winning Trifecta at Moonee Valley</p> <p><u>Julia Baumann, DCE (Dalton Consulting Engineers)</u></p>	<p>Reimagining Arnolds Creek – A Social Perspective</p> <p><u>Jenny Butcher, Stuart Clevin, Alluvium Consulting, Jon Shinkfield, REALM Studios, Neil Featonby, Fin Adamson, Melbourne Water</u></p>
4.45 pm	Close of Day 1			
6.30 pm – 10.30 pm	Stormwater Victoria Conference Dinner			

CONFERENCE PROGRAM - WEDNESDAY 5TH JUNE 2019

8.00 am	Conference Registration – Tea and Coffee on Arrival		
	All Plenary Sessions will be held in Ballroom 1		
8.30 am	Welcome to Day 2 <i>Jamie Tainton, Vice President, Stormwater Victoria</i>		
8.35 am	Gold Sponsor Presentation		
8.40 am	Keynote Presentation Associate Professor Rory Nathan <i>The University of Melbourne</i>		
9.20 am	Keynote Presentation Zinta Lazdins <i>Urban Designer – Strategic Liveability Planning, Melbourne Water</i>		
10.00 am	Stormwater Victoria – Open Forum <i>Chris Beardshaw, President, Stormwater Victoria</i> <i>Jamie Tainton, Vice President, Stormwater Victoria</i>		
10.45 am	Morning Tea		
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
11.15 am – 11.45 pm	Implementing WSUD In The Planning Scheme: Lessons Learnt At Moreland <u>Vaughn Grey, Kathryn Skidmore,</u> <i>Moreland City Council</i>	Atherton Street Oakleigh - Passive Irrigation Retrofit <u>Ralf Pfleiderer, Ralf Pfleiderer Environmental Consulting, Blampied, Ari Triskelidis,</u> <i>City of Monash</i>	Flood Storages and Peak Flows in Moonee Ponds Creek – Is More Storage Always Better? <u>Paul Clemson, Vanessa Wong,</u> <i>Engeny Water Management</i>
5 minutes to change rooms			

	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
11.50 am – 12.20 pm	<p>Living Alongside the Growling Grass Frog in the Urban Jungle</p> <p><u>Adele Faraone</u>, Ronak Rahimi, Ragini Prasad, <i>Calibre Professional Services Pty Ltd</i></p>	<p>Stormwater for Urban Forests: Is it a Good Fit?</p> <p><u>Geoff Connellan</u>, <i>G&M Connellan Consultants</i></p>	<p>The Future of Wetlands for Waterway Protection</p> <p><u>Simon Roberts</u>, Jarrod Luxton, Dr Dale Browne, Gary Walsh, Dr Peter Breen, <i>E2Designlab</i>, Hugh Duncan, Prof Tim Fletcher, <i>The Waterway Ecosystem Research Group</i>, <u>Sarah Watkins</u>, <i>Melbourne Water</i></p>
12.25 pm	Lunch		
	Strategy, Policy and Education	Collaboration and Integration	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
1.20 pm – 1.50 pm	<p>Highway Design, Stormwater Planning and Local Waterways</p> <p><u>Sheridan Blunt</u>, <i>Loci Environment & Place Inc</i></p>	<p>Maryborough IWM Plan: Delivering Real Community Benefits Through the Water Cycle</p> <p><u>Celeste Morgan</u>, <i>E2Designlab</i></p>	<p>Peaking Too Soon: A Case Study of Updating River Hydrology for a Latrobe River Tributary</p> <p>Steve Clarke, <u>Jacqueline Woodlock</u>, <i>Beveridge Williams</i></p>
5 minutes to change rooms			
	Strategy, Policy and Education	Collaboration and Integration	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
1.55 pm – 2.25 pm	<p>Stormwater and Outflow Planning Controls for Waterway Health: Applying the Urban Streamflow Impact Assessment (USIA)</p> <p><u>Dr Geoff Vietz</u>, <i>Streamology Pty Ltd</i>, Carl Tippler, <i>CTEnvironmental</i>, Dr Stephanie Kermode, Michele Cassidy, Hannah Lockie, <i>Sydney Water</i> Professor Tim Fletcher, <i>The University of Melbourne</i></p>	<p>Unlocking Colac's Future Development Potential via Engagement</p> <p><u>Scott Dunn</u>, <i>Engeny Water Management</i></p>	<p>The Edithvale Integrated Stormwater Solution</p> <p><u>Jeanne Rossouw</u>, <u>Alan West</u>, <i>City of Kingston</i></p>
5 minutes to change rooms			

	Strategy, Policy and Education	Collaboration and Integration	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
2.30 pm – 3.00 pm	Implementing the Integrated Water Management Victorian Planning Provisions - Case Studies from Melbourne Councils <u>Ian Adams,</u> <i>Organica Engineering</i>	Assessing Large Scale Stormwater Harvesting <u>Alex Walton, Sarah Watkins,</u> <i>Melbourne Water,</i> <u>Nigel Corby,</u> <i>Western Water</i>	Mean, Median or the Central Vibe. Some True Urban Examples of Applying ARR2016. <u>Peter Woodman,</u> Greg Eaton, Rushiru Kanakarathne, Gavin Hay, <i>GHD</i>
3.05 pm	Afternoon Tea		
	Science and Innovation	Infrastructure Management and Operations	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
3.30 pm – 4.00 pm	Irrigating Food Crops with Stormwater: A Review of Potential Risks <u>Dr Belinda Hatt,</u> <i>Jacobs Vaughn Grey,</i> <i>Moreland City Council</i>	All The Things We learnt - Dandenong Council Stormwater Quality Audit <u>Hugh Williamson,</u> <i>Optimal Stormwater,</i> <u>Pralhad Khanal,</u> <i>City of Greater Dandenong</i>	Contaminated Industrial Stormwater Networks - Live Monitoring and Pollution Detection <u>Heath Baker,</u> <i>Melbourne Water</i>
5 minutes to change rooms			
	Science and Innovation	Infrastructure Management and Operations	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
4.05 pm – 4.35 pm	Flood Risk Assessment In Australian Urban Areas <u>Dr Roozbeh Hasanzadeh,</u> <u>Mardi Medwell-Squier,</u> <i>GHD</i>	Development of a City-Wide Drainage Model to Assess System Performance <u>Celine Marchenay,</u> <u>Warwick Bishop,</u> <i>Water Technology Pty Ltd,</i> <u>Nigel Pugh,</u> <i>Melbourne Water</i>	Disconnecting A Catchment to Save the Creek - Lessons Learnt - Dobsons Creek Disconnection Project <u>Matt Potter,</u> <i>Knox City Council,</i> <u>Michael Godfrey,</u> <i>Melbourne Water,</i> <u>Daniella Gerente,</u> <i>Knox City Council</i>
5 minutes to change rooms			
4.45 pm	Conference Acknowledgements, Thanks and Prize Draw Elizabeth Smolinska, Conference Chair Jamie Tainton, Colin McLeod, Bahman Esfandiar, Conference Sub-committee Close of 2019 Stormwater Victoria Conference		