

# 2019 Conference Program



STORMWATER  
VICTORIA  
2019 CONFERENCE

## River for Liveability

Promote,  
Protect,  
& Preserve

Marysville, Victoria | 4th - 5th June 2019

## CONFERENCE PROGRAM - TUESDAY 4<sup>TH</sup> JUNE 2019

<b>8.00 am</b>	<b>Conference Registration – Tea and Coffee on Arrival</b>			
	<b>All Plenary Sessions will be held in the Steavenson Ballroom (1, 2 and 3)</b>			
9.00 am	<b>Welcome to Delegates</b> Elizabeth Smolinska <i>Conference Chair, Stormwater Victoria</i>			
9.10 am	<b>Opening Address</b> Chris Beardshaw <i>President, Stormwater Victoria</i>			
9.15 am	<b>Platinum Sponsor Presentation</b>			
9.20 am	<b>Keynote Presentation</b> Christine Nixon <i>Former Chief Commissioner, Victoria Police</i>			
10.00 am	<b>Keynote Presentation</b> Assoc Professor Ian Rutherford <i>School of Geography, The University of Melbourne</i>			
<b>10.40 am</b>	<b>Morning Tea</b>			
	Strategy, Policy and Education	Infrastructure Management and Operations	Science and Innovation	Infrastructure Management and Operations
<b>Room</b>	<b>Keppel Room</b>	<b>Marylands Room</b>	<b>Cumberland Room</b>	<b>Kooringa Room</b>
11.15 am – 11.45 pm	<b>VC154: A Planner’s Perspective (How Did We Get Here and What Does It Mean?)</b>  Esther Kay, <i>Environment &amp; Land Management</i>	<b>Travelling Through Yarra Ranges’ WSUD Transformation</b>  Patrick Jeschke, Matthew Pilcher, <i>Yarra Ranges Shire Council</i>	<b>Unlocking the Superpowers of Street Trees: Green-Blue Infrastructure for Healthy Streets &amp; Waterways</b>  Dale Browne, Jarrod Luxton, Steven Buck, <i>E2Designlab</i>	<b>Mitigation of Risk, Creation of feature: Simpson Street Stormwater Management</b>  Ronak Rahimi, Adele Faraone, Ragini Prasad, <i>Calibre Professional Services, Rohan McKinnon, Warrnambool City Council</i>
<b>5 minutes to change rooms</b>				

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

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

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

## CONFERENCE PROGRAM - WEDNESDAY 5<sup>TH</sup> JUNE 2019

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

	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><b>Living Alongside the Growling Grass Frog in the Urban Jungle</b></p> <p><u>Adele Faraone</u>, Ronak Rahimi, Ragini Prasad, <i>Calibre Professional Services Pty Ltd</i></p>	<p><b>Stormwater for Urban Forests: Is it a Good Fit?</b></p> <p><u>Geoff Connellan</u>, <i>G&amp;M Connellan Consultants</i></p>	<p><b>The Future of Wetlands for Waterway Protection</b></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	<b>Lunch</b>		
	Strategy, Policy and Education	Collaboration and Integration	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
1.20 pm – 1.50 pm	<p><b>Highway Design, Stormwater Planning and Local Waterways</b></p> <p><u>Sheridan Blunt</u>, <i>Loci Environment &amp; Place Inc</i></p>	<p><b>Maryborough IWM Plan: Delivering Real Community Benefits Through the Water Cycle</b></p> <p><u>Celeste Morgan</u>, <i>E2Designlab</i></p>	<p><b>Peaking Too Soon: A Case Study of Updating River Hydrology for a Latrobe River Tributary</b></p> <p><u>Steve Clarke</u>, <i>Streamology</i> <u>Jacqueline Woodlock</u>, <i>Beveridge Williams</i></p>
<b>5 minutes to change rooms</b>			
	Strategy, Policy and Education	Collaboration and Integration	Science and Innovation
Room	Keppel Room	Marylands Room	Cumberland Room
1.55 pm – 2.25 pm	<p><b>Stormwater and Outflow Planning Controls for Waterway Health: Applying the Urban Streamflow Impact Assessment (USIA)</b></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><b>Unlocking Colac’s Future Development Potential via Engagement</b></p> <p><u>Scott Dunn</u>, <i>Engeny Water Management</i></p>	<p><b>The Edithvale Integrated Stormwater Solution</b></p> <p><u>Jeanne Rossouw</u>, <u>Alan West</u>, <i>City of Kingston</i></p>
<b>5 minutes to change rooms</b>			

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