



STORMWATER
VICTORIA
2019 CONFERENCE

River for Liveability

Promote,
Protect,
& Preserve

Vibe Marysville Hotel | 4th - 5th June 2019

Invitation to attend

Stormwater Victoria would like to invite you to attend our **2019 State Conference: River for Liveability - Promote, Protect and Preserve**, which will be held at the Vibe Hotel in Marysville on Tuesday, 4th and Wednesday, 5th June, 2019.

The Conference will bring together thought leaders and innovators, and provide opportunities for the industry to share successes, as well as provide education that can be used to provide tangible benefits for the communities, businesses and environment that we all share.

The Conference program will include two days of multi-stream sessions as well as a co-located trade exhibition, providing an excellent opportunity to learn about the latest in product innovation. It will also feature the annual Stormwater Victoria Conference Dinner, to be held on the evening of Tuesday 4th June.

The theme of this year's Conference focuses on our river systems. Victoria has a vast network of river and waterway systems that meander through the many cities, towns and suburbs across the state. These rivers are the life blood of our communities, providing many cultural, recreational, environmental, climatic, economic and life sustaining benefits. These waterways have been contributing to communities long before western settlement occurred within Victoria. Now, changes are being made to the landscape of our state daily. While population growth increases, and along with it the significant economic investment in infrastructure, this progress has the potential to have detrimental effects on our river systems and their health if not managed carefully. It's easy to see that much of inner Victorian agricultural and peri-urban areas are diminishing due to an ever-expanding urban growth ring around Melbourne. It has become clearer that the protection of our river systems is more critical now than ever.

With many competing factors in the wider industry, bringing issues relating to water quality and quantity management to the table can be a difficult task. This Conference wishes to explore ways in which we can:

- Promote the vitality of our river systems by generating wider interest in the importance of waterway health and through complementary drivers outcomes
- Protect our river systems from harm and devastation through considered and targeted stormwater management practices
- Preserve our rivers and waterways for the environment and for the enjoyment of generations to come

We look forward to seeing you at the Conference and working together towards a better future.

Elizabeth Smolinska

Conference Chair
2019 Stormwater Victoria Conference

Who should attend the Conference?

- Local Government Managers of Engineering, Development, Planning and Environment
- Civil and Consulting Engineers
- Drainage and Environmental Engineers
- Infrastructure and Asset Officers
- Water Projects and Sustainability Coordinators
- Catchment Management Officers
- Urban Planners
- University Academics and Researchers specialising in Water and Civil Engineering
- Environmental Scientists
- Landscape Architects
- Manufacturers and Suppliers to the Stormwater industry

Conference Keynote Speakers



CHRISTINE NIXON

*Former Chief Commissioner,
Victoria Police*

Christine Nixon was Australia's first female police commissioner in the male-dominated field of policing. She was Assistant Commissioner of the NSW Police from 1994 until 2001, when she was appointed the 19th Chief Commissioner of Victoria Police, a position she held from 2001 to 2009. She led 14,000 staff operating across more than 500 locations and oversaw an annual budget of \$1.7 billion. Amidst death threats and sexist taunts Christine championed anti-corruption within her own ranks, weeding out the bad cops and going to war with the Melbourne underworld and winning.

Christine has had, and continues to have, an extraordinary life. She has pursued and been given many opportunities. She has experienced the best and worst of human behaviour. Along the way she has gained extensive experience in policing, organisational reform, risk management, crisis management, corruption prevention, emergency management and human resource management. She has been highly praised and highly criticised but never ignored.

In February 2009 Christine was appointed chair of the Victorian Bushfire Reconstruction and Recovery Authority following the Black Saturday bushfires and tasked with the oversight and coordination of the largest recovery and rebuilding program Victoria has ever faced.

Under Christine's leadership, the Authority worked with communities, businesses, charities, local councils and other government departments to help people rebuild their lives and communities. In August 2010 Christine moved into a role as the Victorian Government's Advisor on Bushfire Reconstruction and Recovery, a voluntary role. She continues to support communities, to work with the bereaved community, and remains a member of the Victorian Bushfire Appeal Fund panel.



ASSOCIATE PROFESSOR RORY NATHAN

University of Melbourne

Rory Nathan has over 35 years' experience in engineering and environmental hydrology. He has spent the majority of his career in private industry, and now focuses his time on research and teaching in the Department of Infrastructure Engineering. He has made a substantial contribution to industry best practice in a range of engineering and environmental fields, particularly in the use of stochastic methods of flood estimation, the characterisation of hydrologic risk, regional estimation techniques in catchment hydrology, and the assessment of sustainable limits on water resources.

He is a co-editor and contributing author of the current National Guidelines on Flood Estimation, and for many years he was Australia's representative on the International Committee of Large Dams Floods Committee and a member of the Hydrology Sub-committee of the NSW Dams Safety Council. He has published around 200 research papers on engineering and environmental hydrology in journals, books, and refereed conference proceedings. His research publications have won several national and international awards, including four medals awarded by Engineers Australia for the best annual paper in civil engineering.

In 2000 he was awarded national "Civil Engineer of the Year" by Engineers Australia, and in 2009 he was recognised as one of Australia's "Most Influential Engineers".



ZINTA LAZDINS

*Urban Designer,
Melbourne Water*

Zinta is a registered Landscape Architect with 15 years' experience in the public and private sectors. She spent the first five years of her career working in private consultancies, developing an interest in water management and water sensitive urban design through project work. Moving into the public sector, she worked at Wyndham City Council in Melbourne's western growth corridor for over seven years, delivering landscape and urban design capital works projects and reviewing planning submissions.

In local government, Zinta sought out opportunities to follow her passion for improved water management and environmental outcomes for the community. In 2011, Zinta was selected as one of 18 young water professionals from 14 organisations across Australia to take part in the 2012 International Water Sensitive Cities Study Tour. The study tour was a group learning and networking program, supported by Clearwater, the Stormwater Industry Association Victoria, and the participant's organisation. Later that year, Zinta received a partial scholarship for local government water leaders to the International Water Centre's nine-month Water Leadership Program, which she completed in 2013.

In 2016, Zinta officially joined the water industry by accepting the role of Urban Designer at Melbourne Water. She is one of two urban design professionals at Melbourne Water, who work to embed urban design thinking and methodologies in Melbourne Water's processes, programs and projects.

Conference Keynote Speakers



ASSOCIATE PROFESSOR IAN RUTHERFURD

*School of Geography,
University of Melbourne*

Ian Rutherford has 20 years' experience in the water sector. At present he is an Associate Professor in the School of Natural Resource Management and Geography at the University of Melbourne. He recently completed five years working in the water and river management area at a senior level in the Victorian State government.

He is a Chief Investigator in major Australian Research Council research grants, including projects on: evaluation of environmental flows, understanding nutrient processes in sediments that lead to algal blooms, and optimization of stream management decisions. He is on numerous advisory committees including: Melbourne Water's Waterway Advisory Committee, and River Health Expert Advisory Panel; DSE's Technical Advisory Panel; and the Gippsland Lakes Task Force. Ian has also been the Victorian representative on the review of the National Water Quality Management Strategy.

Ian has just completed a five year secondment to the Victorian Department of Sustainability and Environment, where he was the Director of River Health for the state (and latterly the acting Executive Director), working within the Office of Water. This position was responsible for management of the State's rivers, estuaries and wetlands, as well as implementing an annual \$40m program of investment in stream rehabilitation.



JACQUI COOPER

Jacqui Cooper represented Australia in the sport of Aerial Skiing for over 20 years, beginning her career in 1989 at Mt Buller with the Techne Team. Within three years she was representing her country at the World Championships in Lake Placid New York; by 1994 she competed at the Lillehammer Winter Olympics. In 1999, just 10 years after starting her sport she became a World Champion. Over the next 10 years she dominated and revolutionised her sport.

In a very long and decorated career Jacqui Cooper competed in 139 World Cup Events, nine World Championships and was selected to five Winter Olympic Teams. When Jacqui competed in Vancouver in February 2010 she became the first Australian woman in history (Summer or Winter Olympics) to represent Australia at five Games. Her record five world titles, 39 World Cup medals, 24 World Cup wins and three major World Championship medals left Jacqui as the greatest Aerial skier of all time (man or woman); an achievement that will go unbeaten for decades.

Jacqui Cooper's sport is unforgiving; she has had knee, elbow, shoulder and hip reconstructions. In 2001, she broke her back in an attempt to win a record 3rd World Title; she went on and won it. In 2002 at the Salt Lake City Winter Olympics she injured her knee and broke her leg, just two days before the Olympic competition ending years of dreaming, willing and wanting.

Jacqui has devoted time to various Sporting Committees around the world, including Australian Olympic Committee (AOC) Board, the AOC Athlete's Commission (Deputy Chair), Ski and Snowboard Australia Board, the Australian Institute of Sport Athletes Commission, the International Ski Federation (FIS) Athletes Committee, the FIS Freestyle Athletes Committee, the World Anti-Doping Agency (WADA) Athlete's Committee and the WADA education committee.

Feedback from the 2018 State Conference

*Great opportunity
for networking and
catching up on industry
best practice*

Moreland City Council

*Keynote Speakers
were fantastic!*

Yarra Ranges Council

*Getting to meet people in
the stormwater industry
that are approaching
the problem in a variety
of ways, including
practical, research, and
policy. I think it's a great
Conference for bringing
all these people and
conversations together*

The University of
Melbourne

*Hearing about the latest
research, upcoming
changes to policy and
hearing about unique
lessons learnt from
common projects*

City of Casey



STORMWATER
VICTORIA
2018 CONFERENCE



Conference Program | Tuesday 4th June 2019

8.00 am	Conference Registration - Tea and Coffee on Arrival			
9.00 am	Welcome to Delegates Elizabeth Smolinska (Conference Chair, Stormwater Victoria)			
9.10 am	Opening Address Chris Beardshaw (President, Stormwater Victoria)			
9.20 am	Keynote Presentation Christine Nixon (Former Chief Commissioner, Victoria Police)			
10.00 am	Keynote Presentation Associate Professor Ian Rutherford (School of Geography, The University of Melbourne)			
10.40 am	Morning Tea			
11.15 am - 11.45 am	VC154: A Planner's Perspective (How Did We Get Here and What Does It Mean?) Esther Kay, Environment & Land Management	Travelling Through Yarra Ranges' WSUD Transformation Patrick Jeschke, Matthew Pilcher, Yarra Ranges Shire Council	Unlocking the Superpowers of Street Trees: Green-Blue Infrastructure for Healthy Streets & Waterways Dale Browne, Jarrod Luxton, Steven Buck, E2Designlab	Mitigation of Risk, Creation of feature: Simpson Street Stormwater Management Ronak Rahimi, Calibre Professional Services
11.50 am - 12.20 pm	Understanding the Key Construction Hold Points for Bio-Retention Systems and Wetlands Katrina Hawkins, Clearwater Rachelle Adamowicz, Melbourne Water	Complexities in Flood Modelling and Mitigation for Large Infrastructure Projects - Rosanna Level Crossing Removal Elizabeth Smolinska, Jacobs	Stormwater Management to Save the Rivers and Contribute to Integrated Water Management Professor Veeriah Jegatheesan, RMIT University	Improving Management for Water Sensitive Areas, A Rural Setting Matthew Gaite, Storm Consulting Rowan Hore, Melbourne Water
12.20 pm	Lunch			
1.20 pm - 1.50 pm	Melbourne Water Drainage Schemes: Friend or Foe? Jamie Tainton, LDeng	Monbulk Creek: Retrofitting Energy Dissipation Techniques to Improve Waterway Health in Steep, Existing Urban Catchments Joshua Parish, Spiire	Combining Stormwater Treatment and Frog Conservation Objectives in a Wetland with an Industrial Catchment Angela Ganley, Hume City Council	Water Sensitive Drainage and Flood Management Strategy for Fishermans Bend Philip Joyce, GHD Sam Innes, City of Port Phillip
1.55 pm - 2.25 pm	ARR2016 Temporal Patterns for Urban Drainage and Flood-Modelling. Do We Need To Run Them All? Glenn Ottrey, Engeny Water Management	Innovative Stormwater Management Approach to Reduce Flooding Impact Sainath Tavate, Knox City Council	Assembling High Resolution Spatial Datasets for Robust Effective Imperviousness Modelling Dr Joshphar Kunapo, Grace Detailed-GIS Services	Monash National Employment and Innovation Cluster: IWM Precinct Scale Strategy Sarah Hollis, Water Technology
2.30 pm - 3.00 pm	Who Let the Economists Into the Decision Making Tent? Insights From Urban Waterways in Victoria Lili Pechey, Dr Buyani Thomy, Natural Capital Economics	Wetland Peninsular - Wetland Saviour or Erosion Point Chris Beardshaw, Afflux Consulting Colette Newcome, Melbourne Water	Seasonal Eco-Hydrological Regimes and Local Catchment Modelling to Protect High Value Ecosystems in Urbanizing Catchments. David Carew, Alluvium Consulting	Monitoring and Evaluating Stormwater Targets in the Port Phillip and Westernport Healthy Waterways Strategy Catchments. Sharyn Rossrakesh, Andrew Grant, Melbourne Water
3.00 pm	Afternoon Tea			
3.30 pm - 4.00 pm	A Framework to Map Social Values of Waterways and Target Areas for Investment Milos Pelikan, Jacobs	Banyule Swamp, My Neighbour, Will You Give Me A Glass of Water? Sarah Hollis, Water Technology	Way Beyond Best Practice: Grassed Based ZAM-WSUD Profiles Demonstrate Up To 80% Total Nitrogen Removal Dr Harsha Fowdar, Monash University Simon Brink, Manningham Council	Selling Flood Mapping Results to a Sceptical Public Stephen D'Agata, City of Boroondara
4.05 pm - 4.35 pm	Lot Scale Rainwater Harvesting and Future Flood and Drought Risks in the City Of Whittlesea Dr Edmond Lascaris, City of Whittlesea	'Fixing the Gaps' for Successful WSUD Asset Management Jamie Comley, J Comley Consulting	Stormwater Treatment, Harvest and Reuse--A Winning Trifecta at Moonee Valley Julia Baumann, Dalton Consulting Engineers	Reimagining Arnolds Creek - A Social Perspective Stuart Clevon, Alluvium Consulting Fin Adamson, Melbourne Water
4.35 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		
8.30 am	Welcome to Day 2 Jamie Tainton, Vice President, Stormwater Victoria		
8.40 am	Keynote Presentation Associate Professor Rory Nathan (The University of Melbourne)		
9.20 am	Keynote Presentation Zinta Lazdins (Urban Designer – Strategic Liveability Planning, Melbourne Water)		
10.00 am	Stormwater Victoria – Open Forum		
10.45 am	Morning Tea		
11.15 am - 11.45 am	Implementing WSUD In The Planning Scheme: Lessons Learnt At Moreland Vaughn Grey, Kathryn Skidmore, Moreland City Council	Atherton Street Oakleigh - Passive Irrigation Retrofit Ralf Pfeleiderer, Ralf Pfeleiderer Environmental Consulting Ari Triskelidis, City of Monash	Flood Storages and Peak Flows in Moonee Ponds Creek – Is More Storage Always Better? Paul Clemson, Vanessa Wong, Engeny Water Management
11.50 am - 12.20 pm	Living Alongside the Growling Grass Frog in the Urban Jungle Adele Faraone, Calibre Professional Services	Stormwater for Urban Forests: Is it a Good Fit? Geoff Connellan, G&M Connellan Consultants	The Future of Wetlands for Waterway Protection Simon Roberts, E2Designlab Sarah Watkins, Melbourne Water
12.20 pm	Lunch		
1.20 pm - 1.50 pm	Highway Design, Stormwater Planning and Local Waterways Sheridan Blunt, Loci Environment & Place Inc	Maryborough IWM Plan: Delivering Real Community Benefits Through the Water Cycle Celeste Morgan, E2Designlab	Peaking Too Soon: A Case Study of Updating River Hydrology for a Latrobe River Tributary Steve Clarke, Streamology Jacqueline Woodlock, Beveridge Williams
1.55 pm - 2.25 pm	Stormwater and Outflow Planning Controls for Waterway Health: Applying the Urban Streamflow Impact Assessment (USIA) Dr Geoff Vietz, Streamology	Unlocking Colac's Future Development Potential via Engagement Scott Dunn, Engeny Water Management	The Edithvale Integrated Stormwater Solution Jeanne Rossouw, Alan West, City of Kingston
2.30 pm - 3.00 pm	Implementing the Integrated Water Management Victorian Planning Provisions - Case Studies from Melbourne Councils Ian Adams, Organica Engineering	Assessing Large Scale Stormwater Harvesting Alex Walton, Sarah Watkins, Melbourne Water Nigel Corby, Western Water	Mean, Median or the Central Vibe. Some True Urban Examples of Applying ARR2016 Peter Woodman, GHD
3.05 pm	Afternoon Tea		
3.30 pm - 4.00 pm	Irrigating Food Crops with Stormwater: A Review of Potential Risks Dr Belinda Hatt, Jacobs Vaughn Grey, Moreland City Council	All The Things We learnt - Dandenong Council Stormwater Quality Audit Hugh Williamson, Optimal Stormwater	Contaminated Industrial Stormwater Networks - Live Monitoring and Pollution Detection Heath Baker, Melbourne Water
4.05 pm - 4.35 pm	Flood Risk Assessment In Australian Urban Areas Dr Roozbeh Hasanzadeh, Mardi Medwell-Squier, GHD	Development of a City-Wide Drainage Model to Assess System Performance Celine Marchenay, Water Technology	Disconnecting A Catchment to Save the Creek - Lessons Learnt - Dobsons Creek Disconnection Project Matt Potter, Knox City Council Michael Godfrey, Melbourne Water Daniella Gerente, Knox City Council
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		

Program Subject to Change

Conference Registration Fees

The following Registration Fees will be available until the close of Registration on Wednesday, 29th May, 2019. All rates listed below include 10% GST.

Full Conference registration includes all sessions on Tuesday, 4th and Wednesday 5th June, Tea and Coffee on arrival, Morning Tea, Lunch and Afternoon Tea on both days.

MEMBER FEES

Full Conference Registration including Conference Dinner	\$895.00
Full Conference Registration Only	\$765.00
Day Delegate Registration Only	\$495.00

NON MEMBER FEES

Full Conference Registration including Conference Dinner	\$995.00
Full Conference Registration Only	\$865.00
Day Delegate Registration Only	\$565.00

Full Conference Registration including Conference Dinner and 12-month membership of Stormwater Victoria	\$1095.00
Full Conference Registration Only and 12-month membership of Stormwater Victoria	\$965.00

Social Event Tickets

An informal Welcome Function will be held at the Vibe Marysville Hotel on the evening of Monday, 3rd June and the cost of this function is included in all full registration packages. The Conference Dinner to be held on the evening of Tuesday, 4th June is included in some Full Registration Packages. Please note that all Full Conference Registration Only and Day Delegate Registration Only do not include tickets to the social functions.

Additional Tickets to the Welcome Function on Monday 3rd June	\$50.00
Additional Tickets to the Conference Dinner on Tuesday 4th June	\$135.00

For further information regarding registration for the 2019 Stormwater Victoria Conference, please contact the Conference Secretariat on +61 2 9744 5252 or email jnevmarch@gemsevents.com.au.





STORMWATER VICTORIA 2019 CONFERENCE

How to register

To register for the 2019 Stormwater Victoria Conference,
please register online at

www.svconference.com.au

For further information about the
2019 Stormwater Victoria Conference, contact

GEMS Event Management Australia

on **02 9744 5252**