



## Introduction to Australian Rainfall & Runoff 2016 Urban Book workshop

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Date:	Thursday 18 October 2018
Registration:	12:30 pm
Time:	1:00-5:00 pm
Venue:	Reg Sparks Room, Sporting Car Club of SA 51 King William Road, Unley <a href="#">Link to Google Map</a>

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### Presenters

Dr Peter Coombes, Urban Water Cycle Solutions  
Steve Roso, Floodinfo Solutions

### Overview

Join the editors and authors of Australian Rainfall and Runoff (ARR) Urban Book as they cover the philosophy and application of ARR2016 in urban catchments. The workshop will provide an overview of ARR2016 and its application in urban areas, and will include practical application via examples, open discussion and answers to questions. Importantly, this workshop is an opportunity for practitioners and ARR editors to discuss the objectives, the application and challenges of the new ARR2016 Urban Book.

The workshop will be delivered by Peter Coombes and Steve Roso, who have both delivered a diverse range of projects based on water resources, including urban design, stormwater and runoff. Between them, Peter and Steve have decades of experience delivering practical, on-ground solutions for stormwater management in the public and private realm.

### Program

Time	Topic	Who
12:30pm	Registration	
1:00pm	How the Urban Book is supported by and integrated with ARR2016 resources	Peter
1:15pm	The philosophy and objectives of the ARR2016 Urban Book	Peter
1:30pm	Volume management and conveyance	Steve
2:00pm	Greenfield case study	Peter
2:30pm	<i>Afternoon tea and Q&amp;A</i>	
3:00pm	Modelling guidance and approaches	Steve
3:30pm	Applying a hierarchy of losses, pre-burst rainfall, rainfall ensembles and storm losses	Peter
3:45pm	Brownfield case study	Peter & Steve
4:30pm	Open discussion	
5:00pm	<i>Close</i>	

Note that two significant case studies are provided to highlight the new methods and philosophy of ARR2016 – these case studies will be interwoven with the presentation of the content of the Urban Book and open discussion throughout the workshop.

For more information, contact Mellissa Bradley, Program Manager, Water Sensitive SA – [mellissa@watersensitivesa.com](mailto:mellissa@watersensitivesa.com), 0431 828 980.



## Presenters' biographies



### **Dr Peter Coombes Director, Urban Water Cycle Solutions**

Peter J. Coombes is a director of Urban Water Cycle Solutions and is a Fellow of Engineers Australia and is currently an editor of the Urban Book of Australian Rainfall and Runoff and a member of a research steering committee at Imperial College London. He recently contributed to inquiries into stormwater management held by the Senate of the Australian Parliament and Water Resources held by the Productivity Commission, and was a chief scientist in the Victorian Government. Peter has held senior academic positions at the University of Newcastle, Melbourne University and Swinburne University. He has experience in change processes in government and development of government policy. His professional and research interests include systems thinking and analysis, hydrology, water resources, economics, molecular sciences, water quality and public policy.

He has served as a member of the water advisory group to the Prime Ministers Science, Engineering and Innovation Council, the advisory council on alternative water sources for the Victoria Government's Our Water Our Future policy, the advisory panel on urban water resources to the National Water Commission, an advisor on alternative water policy to the United Nations and a national research leader of innovative WSUD strategies in the eWater CRC. Professor Coombes was also a co-author of Australian Runoff Quality and a former chair of the Stormwater Industry Association. More information can be found at

<http://urbanwatercyclesolutions.com>



### **Steve Roso Director, Floodinfo Solutions**

Steve Roso is an environmental engineer with 20 years of experience in floodplain management and urban drainage. During this time, Steve has held senior roles as an engineering consultant and as a stormwater infrastructure manager for a large Queensland local government authority.

In these roles Steve has delivered a diverse range of stormwater projects and initiatives. These include several complex, multi-million dollar facilities such as wetlands, naturalised channels, flood mitigation, and trunk drainage system upgrades. Several projects have won awards at state and national level. He has also gained a detailed understanding of the long-term management of urban drainage assets, including their maintenance, operation and renewal. These insights have been important contributors to his urban drainage design expertise.

Steve has maintained a strong focus on technical investigation aspects of urban drainage projects using computer-based flood models. He has directly conducted and also managed several major flood studies and overland flow mapping projects for urban catchments. Steve is a contributing author and co-editor of Australian Rainfall and Runoff Book 9, 'Runoff in Urban Areas'.