



16th Specialised Conference on Small Water and Wastewater Systems. 8th Specialised conference on Resource Oriented Sanitation.

1-5 December 2019

Murdoch University, Perth, Western Australia

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WELCOME

Welcome to the International Water Association conference on Small Water and Wastewater Systems 2019 to be held in Perth, Western Australia on 1-5 December at Murdoch University. What an exciting time to be sharing ideas, presenting the latest research findings and discussing new possibilities in science and technology with local and global policy directors, engineers and managers.

We would like to take this opportunity to thank our many great colleagues on the Executive Committee, National Organising Committee, International Advisory Committee, Program Committee and invited speakers. When you come to Perth in December 2019 you will be able to see a city with a number of examples of decentralised systems. Please do not hesitate to contact us for any further information.



OBJECTIVE

Water is essential for all life forms. It is a fundamental resource necessary for socio-economic development and for ecological sustainability.

Good quality water is becoming scarce due to population growth and associated residential and industrial development and pollution, particularly in towns and cities. It is timely that the sustainable management of water resources is widely discussed, noting that water can be recycled for an unlimited number of times after adequate treatment. The conference will have topics regarding small systems (decentralised systems) which serves less than 100,000 population equivalent. The conference will discuss and explore new and innovative methods of treatment, better understanding and assessment of resources and their supporting ecosystems, proper management for conservation and approaches to achieve the dual aim of economic development and ecological sustainability. The focus is on the necessary infrastructure to provide good quality water, in sufficient quantity, in the most sustainable manner.

HOST CITY

The conference will be held at Murdoch University, Perth, Western Australia. Perth is a vibrant, energetic city that offers a truly unique Australian experience. Set on the banks of the spectacular Swan River, Perth is Australia's sunniest capital city and the fastest growing urban centre, offering cultural diversity and sophistication combined with a relaxed and friendly vibe. Beyond Perth, delegates can choose to experience the breathtaking and unparalleled beauty of the natural attractions in the regional areas of Western Australia either on the 3-day social tour after the conference or independently.

VENUE

The conference will be hosted by Murdoch University situated in the southern suburbs of Perth, Western Australia, only 12 minutes by train from the centre of the city and a short bus ride from the popular tourist destination of Fremantle. The University has excellent conference, exhibition facilities and catering facilities, which enable delegates to maximize their time during the conference.

CONFERENCE TOPICS

1. Governance, Policy and Regulation

- a. Supporting innovation
- b. Regulatory approvals processes
- c. Models of service provision
- d. Funding, risk and management

2. Innovation, Technology, Research and Development

- a. Sources: Rainwater, Storm water, Groundwater
- b. Desalination
- c. Treatment innovations
- d. Decentralized treatment systems
- e. Low technology treatment systems
- f. Wastewater reclamation and reuse
- g. Sludge management
- h. Systems for mining industry
- i. Resource oriented sanitation

3. Implementation and Operational Experience

- a. Water-Energy Nexus
- b. Water-Energy-Food-Community Nexus
- c. Operation and Maintenance of small wastewater treatment plants
- d. Experiences from developing countries
- e. The role of small scale systems in livability
- f. Environmental microbiology & population dynamics
- g. Operation and maintenance in remote locations and Aboriginal communities

4. Communities, engagement and liveability Education, Training and Certification

- a. Fostering champions
- b. Stakeholder management and meeting multiple objectives
- c. Community engagement and behavior change

INVITED SPEAKERS

Dr Akintunde Babatunde	UK
Dr Bhakti Devi	Sydney
Dr Dharma Dharmabalan	Tasmania
Prof Wendell Ela	Perth
Mr Mark Ellery	Perth
Assoc Prof Eran Friedler	Israel
Dr Tom Headley	Brisbane
Dr Shervin Hashemi	Korea
Assoc Prof Jianguyong Hu	Singapore
Brigadier Aslam Khan	Pakistan
Dr Evina Katso	London
Mr Johannes Kissler	Austria
Dr Guenter Langergraber	Austria
Dr Kathy Meney	Perth
Dr Pierre Mukheibir	University of technology, Sydney
Ms Sylvie Muwanga Tebitenda	South Africa
A/Prof Ashok Sharma	Melbourne
Dr Markus Starkl	Austria
Ms Sylvie Muwanga Tebitendwa	South Africa
Prof Joseph Thanikal	India
Prof Saravanamuth Vigneswaran	Sydney
Prof Jan Vymazal	Czech Republic
Prof Tony Wong	Melbourne
Assoc Prof Amit Gross	Israel

IMPORTANT INFORMATION

Inaugural session

The Minister for Water will inaugurate the conference and exhibition on Monday 2nd December and talk about the importance of water programs in Western Australia.

Exhibition

An exhibition will be held at the venue. The exhibitions will include information and products from consulting agencies, equipment manufacturers and representatives from industry.

Language

The official language of the conference will be English. No translation service will be available.

Participation

The conference will provide the opportunity to bring together scientists, international aid agencies, private institutions, consulting establishments, research institutes and university organisations. We expect 250 delegates to attend the conference, but facilities are available for a much larger number.

Publication

All the papers received will be reviewed and the selected papers will be published in an international journal. This will be decided in consultation with IWA Publishing.



CONFERENCE FEATURES

Free field visits

The conference will offer all delegates a field visit to choose from 3 different streams on desalination, water efficiency and water reuse. Each stream will include a visit to one or more sites related to that stream and guided by experts at the facility. This gives the participants a unique opportunity to experience the practice of technologies in Western Australia, free of charge.

Accommodation

Promaco Conventions has reserved a number of accommodations. The university also has a number of low-cost student apartments available, and the Port City of Fremantle and Perth city provide a wide variety of hotels. We encourage delegates to book accommodation through Promaco when registering to get the most competitive rates.

Technical tour

An exciting 1-day technical tour will be arranged for all participants on Thursday, 5th December at a cost of around A\$50. Details to follow

Social functions and Gala dinner

The conference offers several networking and social functions. A welcome reception on the first day will enable participants to meet other delegates. The gala dinner will be held on the evening of Monday 2nd December onboard the unique and elegant Crystal Swan floating restaurant. We will be wined, dined and entertained while we take a short trip on the beautiful Swan River. Numbers will be restricted so please register and pay early to ensure your seat at the table.'

Post-conference social tour (2 nights, 3 full days)

Take advantage of coming to WA by enjoying an engaging 3-day tour through our beautiful south-west, one of the most biodiverse places on the planet.

We will ensure that you are able to catch evening flights that depart after 8pm on Sunday, 8th December and, if possible, give you time to shower and change at the university before we take you to the airport. For the full itinerary visit the conference website at www.swws2019.com

REGISTRATION FEES

All registration fees are inclusive of 10% Goods and Services Tax (GST). The registration fee includes a USB with abstracts, conference papers on USB, attendance at conference sessions, half day local tour, welcome reception, closing ceremony, lunches, morning and afternoon tea.

	WEB HOT TILL 10 AUG 19		EARLY BIRD TILL 30 SEP 19		REGULAR TILL 30 NOV 19		FINAL	
	IWA Member	IWA Non Member	IWA Member	IWA Non Member	IWA Member	IWA Non Member	IWA Member	IWA Non Member
STUDENT/YWP/ RETIRED	A\$440	A\$590	A\$495	A\$645	A\$550	A\$700	A\$660	A\$810
STANDARD	A\$660	A\$810	A\$770	A\$920	A\$990	A\$1040	A\$1496	A\$1646
DAY REGISTRATION	A\$230	A\$230	A\$330	A\$330	A\$385	A\$385	A\$495	A\$495

Other fees

ROS Workshop

Standard A\$100

Student A\$50

Gala Dinner

Delegate A\$50

Guest A\$100

Post-conference tour

Delegate A\$420

Guest A\$420

IMPORTANT DATES

Last date of abstract submission	15 July 2019
Abstract acceptance letters	25 July 2019
Webhot registration ends	10 August 2019
Early bird registration ends	30 September 2019
Full paper submission	15 October 2019
Standard registration ends	30 November 2019

COMMITTEES

Local Executive Committee

Dr Martin Anda	Murdoch University
Mr. Wayne Bagg	Water Cooperation
Mr Andrew Bruce	IINET
Mr Robin Connolly	HYDROLOGIA
Dr Stewart Dallas	Josh Byrne and Associates
Dr Jim Davies	JDA Consultant Hydrologists, WA
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Prof Jonathan Wong	Hong Kong

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Prof Michel Torrijos	National Institute of Agronomic Research, France
Prof Guoren Xu	Harbin Institute of Technology, China

FURTHER INFORMATION

Conference Manager: Dr Kuruvilla Mathew

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