



AUSTRALIAN WATER ASSOCIATION

IWA YOUNG WATER PROFESSIONALS

AUSTRALIA-NEW ZEALAND
YWP CONFERENCE 2022
Leave Your Mark on our Water Future

29-30 June 2022
ICC Sydney



Conference Program

WEDNESDAY 29 JUNE - DAY ONE

8:45am	Registration Open		
9:30am	SESSION 1. Official Opening		
9:30am	Welcome to Country Uncle Allen Madden, Metropolitan Local Aboriginal Land Council	Room C4.9-10	
9:40am	Welcome to Day One Matt Schnelle, Conference Organising Committee Chair		
9:50am	AWA Address Corinne Cheeseman, Chief Executive, Australian Water Association		
9:55am	Sponsor Address: Jacobs Kate Robilliard, Director of Operations, Water - New Zealand and South East Australia, Jacobs		
10:00am	Keynote Address: Agency to Act Simon Roberts, Lead Engineer, Water, Aurecon		
10:20am	The Future of Water – The Australian Context – Survey Insights Sally Armstrong, Head of International and Industry Programs, Australian Water Association		
10:30am – 11:00am Morning Tea and Posters			
11:00am	SESSION 2. What is our Role in Facing the Impacts of Climate Change? Sponsor address: Jasmine Davidson, Senior Sustainability Consultant, Arcadis		
11:10am	Panel Discussion Elliot Stuart, Anna Gero, Isabel Copeman and Ken Lundy <i>Panel Facilitator: Olivia Bittle, Conference Organising Committee</i>		Panel Sponsor: ARCADIS
12:30pm – 1:30pm Lunch and Group Photo			
	SESSION 3. Community Empowerment	Room C4.8	SESSION 4. Advances in Treatment
1:30pm	Wastewater Management in Fiji – Challenges and Difference in Approach Brendan Dagg, GHD		PFAS is the Name, Destruction is the Aim: Findings from the Pilot Scale De-Fluoro™ Remediation System Demonstration Toni Henderson, AECOM
1:50pm	Empowering People to Access Water: A Backbone Platform for Managing Water in the Murray Darling Basin Bill Robinson, Arup		The Importance of Steady-State and Operating Condition on the Removal of PFAS by Nanofiltration Natascha Rossi, The University of Queensland
2:10pm	A Social Value Blueprint for the Water Sector Alex Cheesebrough, CivilPlan		Revised H2S Workspace Exposure Standards – Implications for the Wastewater Industry Jay Shin and Chris Butson, Stantec
2:30pm	Developing a Model for Inclusive Customer Research and Engagement Jane Burton and Chela Bett, SA Water	★	Algae-Bacterial Aggregated Flocs in the Enhanced Treatment of Wastewater Holly Stolberg, Australian Centre for Water and Environmental Biotechnology
2:50pm	Pride Together – Emerging Professionals Creating an Inclusive Water Future Georgina Carter and Sean Whitear, SA Water		Responding to a Record-Breaking Drought: the Pukekohe Water Treatment Plant Reinstatement Project Hamish Spence, Watercare Services
	SESSION 5. Building Resilience	Room C4.11	
1:30pm	The Post Covid-19 Future of Urban Water Morgan Foster and Melissa Truong, Arup		
1:50pm	Integrated Water Cycle Management Strategy – Benefits to Regional Local Water Utilities Allen Zhou, Department of Regional NSW - Public Works Advisory		
2:10pm	Feasible Recycled Irrigation Schemes Tayla Madden, SPORTENG		
2:30pm	Looking Left and Right: Understanding 'Scope 3' Emissions and How to Reduce Them Josh Stevens, EY		
2:50pm	Resilience for Our Future: A Deep Dive into Our Climate Risks Elliot Cichero, Sydney Water		
3:00pm – 3:30pm Afternoon Tea and Posters			
3:30pm	SESSION 6. Workshop	Room C4.8	SESSION 7. Panel
	AWA Emerging Water Leaders Program presents: Leave Your Mark Beyond our Borders: Collaborative Solutions to Global Water Challenges Trevor Sultana, Jessica Bohorquez, Amanda Cheang, Jeff McAllister		Delivering Projects that Create Social Value and Positive Community Outcomes Tanja Rosenqvist, Rhyl Jones-McCoy, Erin Cini <i>Panel Facilitator: Chelsea Hayward, Conference Organising Committee</i>
			SESSION 8. Workshop
			Aurecon presents: Deconstructing our Water Futures Noriko Wynn, Sam Skinner and Ivona Maric
5:00pm – Day 1 Close			
7:00pm – 10:00pm Conference Dinner – The Loft, Barangaroo			

★ Top Papers

THURSDAY 30 JUNE - DAY TWO

8:30am	Registration Open						
9:00am	SESSION 9. Day Two Opening		Room C4.9-10				
9:00am	Welcome to Day Two Olivia Bittle, Conference Organising Committee Vice Chair						
9:10am	IWA Address Shona Fitzgerald, Vice Chair, IWAA						
9:15am	Sponsor Address: Beca Hunter H2O Brie Fisher, Civil (Water) Engineer, Beca Hunter H2O						
9:20am	Virtual Keynote Address: Cultural Inclusivity & Water Troy Brockbank, Pou Ārahi Māori - Māori Advisory Lead, Pattle Delamore Partners						
9:40am	Keynote Address: Unlocking the Power of Cultural Diversity Dr Andrea Gonzalez, Senior Process Engineer, Atom Consulting						
9:55am	Sponsor Address: Eurofins Charl Du Preez, General Manager NSW, Eurofins						
10:00am – 10:30am Morning Tea and Posters							
	SESSION 10. Future Planning	Room C4.8	SESSION 11. Digital Transformation	Room C4.9-10	SESSION 12. Sustainability	Room C4.11	
10:30am	Adaptive Planning Capacity Building in a Community of Practice Sam Skinner, Aurecon		Challenges of The Internet of Things: Lessons Learned from IoT Deployments in Regional to Metropolitan Water Utilities Adam Drenoyanis, Sydney Water and Michael Broderick, Shoalhaven Water	★	Water and the Hydrogen Rainbow Katie Potts, GHD		
10:50am	Assessing Wastewater Treatment Options for a Remote Northern Territory Plant Kate Smith, Aurecon		Digital Transformation: The Evolution of Residential Water Efficiency Technologies Alexandra Butler, Institute for Sustainable Futures		How do we Measure Sustainable Development? Jeff McAllister and Danika Smith, Arup		
11:10am	Harnessing New Technology to Deliver Regional Water Solutions: Opportunity for Microgrids and Fit-For-Purpose Drinking Water Caitlin Fisher, SOURCE Global		Conceptualising Cyber-Security Risk for Water Networks Cael Keenan, The University of Adelaide and SA Water		From Concept to Reality: The Central Interceptor Sustainability Journey Olivia Bittle, Watercare Services Limited		★
11:30am	2022 Sydney Floods: Responding to Climate Emergencies as a Young Water Professional Jess Massih, Sydney Water		Using Alternative Technology to De-risk Capital Improvements Steve Adamthwaite, Arup		A Sustainable, Innovative and Low Cost Alternative to Mixing in Wastewater Treatment Plants Liam Tamplin, Hunter H2O		
11:50am	Revitalising Urban Blue Green Spaces in Melbourne Using Integrated Water Management Principles Advait Madav and Neha Shetty, Alluvium Consulting		Young Professionals Foster Digital Innovation at Urban Water Utility Patrick Schnelle and Martina Kempys, Arup		Young Water Professionals Inspiring Change Through Considered Action on Sustainability Madeleine English, AWA NSW Young Water Professionals Sub-Committee		
12:00pm – 1:00pm Lunch							
	SESSION 13. Workshop	Room C4.8	SESSION 14. Panel	Room C4.9-10	SESSION 15. Workshop	Room C4.11	
1:00pm	How to Define Your Values and Live by Them in the Modern Workforce Matt Schnelle and Patrick Schnelle		International WaterCentre presents: Unpacking Continuing Professional Development Outcome and Approaches for Water Professionals Annette Davison, Zhiyao Wang, Kristy Good and Simon Roberts <i>Panel Facilitator: Brian McIntosh</i>		IWAA and AWA Water for All Specialist Network present: Achieving the Sustainable Development Goals in a COVID world: A Role-play Game Diana Gonzalez Botero, Chelsea Hayward, Ivona Maric, Ted Devine and Ben Thwaites		
2:30pm – 3:00pm Afternoon Tea and Posters							
3:00pm	SESSION 16. Exciting Future for Indigenous-Owned Water Businesses Creating Meaningful Employment opportunities for First Nations people learning from the Wara Paring story Key Speakers: Soyun Punyadasa, Eamonn Kelly, Leon Egan, Manish Pancholi					Room C4.9-10	
4:30pm	SESSION 17. Amazing Race Inspired by the very successful QLD YWP Amazing race series, teams will race to the final destination of the Australia-New Zealand YWP Conference.						

5:30pm – Conference Close

★ Top Papers

FRIDAY 1 JULY – OPTIONAL SITE TOURS

<p>9.00am – 3.30pm</p>	<p>Site Tour 1 – Taronga Zoo This visit will include a walkaround of Taronga with the Zoo’s Sustainability Manager, a tour of the Water Treatment Plant and a discussion about the Ocean and Inland Water research within the Institute of Science and Learning.</p> <p>Site Tour 2 – Manly Hydraulics Laboratory & 4 Pines Brewery This visit will involve an overview of the laboratory’s capabilities and experience followed by a tour of the laboratory’s water quality lab, wave basin and flume, Waverider facility and Know-the-Flow facility. Followed by a tour of 4 Pines Brewery and lunch.</p> <p><i>Note: Separate registration is required for the Site Tours and more information on each tour is available here.</i></p>	<p>Site Tour Sponsor: Manly Hydraulics Laboratory</p>
------------------------	---	---

THANK YOU TO OUR PARTNERS AND SPONSORS

Gold Sponsors



Silver Sponsor



Water Infrastructure
NSW

Dinner Partner



YWP Supporter



Best Paper Sponsor



UNSW
SYDNEY

Global Water
Institute

Story Telling Partner



Panel Sponsor



Site Tour Sponsor

Manly Hydraulics
Laboratory

POSTER AUTHORS

During catering breaks, visit our poster displays by:

- Danika Smith, Arup
- Liam Tamplin, Hunter H2O
- Marie Bonnaud, Watercare
- Tracey Pham, SA Water & Aurecon
- Bill Tran, Arup
- Alexandra Butler, Institute for Sustainable Futures
- Georgina Carter, SA Water
- Miranda Cowley, GHD
- Georgina Catto-Smith, Jacobs