

Conference Program

Time	Presenter	Title
8:30	Registration and breakfast	
8:50	Welcome and introduction to the conference	
9:00	Subaru Ken Muroi	Optimizing Submerged Breakwaters for Coastal Protection
9:15	Ali Koosheh	Empirical formulae for the prediction of mean wave overtopping at rubble mound structures
9:30	Despina Linaraki	The design concept of Living Islands
9:45	Jingwei Yao	Comparison of Darcy's law and Brinkman equation on saltwater intrusion simulations
10:00	Dima Al Atawneh	Interactions between groundwater recharge and usage in light of climate change: Study sites Southeast South Australia and Dead Sea Basin, Jordan
10:15	Chao Deng	Effect of climate change and dynamic vegetation and soil conditions on streamflow and water quality of a sub-tropical catchment in Queensland, Australia
10:30	Dhanushki Perera	Integrated coupled human and natural system complexity management for Climate Change
10:45	Morning tea	
11:00	Prof. David Hamilton Prof. Qin Li A/Prof Hassan Karampour Dr Abel Silva Vieira Dr Fernando Alvarez	Senior water professionals' presentations

	Dr. Oz Sahin	
	Dr Juliane Wolf	
12:15	Lunch	
13:00	Hiua Darei	Raw water DOC data for alum dosing control
13:15	Ioana Corina Giurgiu	Planning tool for equitable urban design in areas adjacent to wetland ecosystems
13:30	Shenbagameenal Surendran	How Alternative Water Can Improve Urban Water Security?
13:45	Glauber Cardoso de Oliveira	Parsimonious mathematical optimisation modelling for integrated precinct-scale energy–water system planning
14:00	Shahid Ali	Potential Sites Screening for the development of Pumped Hydro Energy Storage in the Northern Queensland: A GIS Approach
14:15	Md. Atiqul Islam	Developing Intensity-Frequency-Duration Curves From Satellite Precipitation Products
14:30	Afternoon tea	
14:45	Mohammad Hassan Ranjbar	Individual-based modelling of Microcystis aeruginosa bloom dynamics in a shallow lake
15:00	Benny Rousso	Real-time cyanobacteria species monitoring: fluorescence enhancement using machine learning
15:15	Kane L. Offenbaume	Multi-Wavelength Specific Monitoring for E. coli and Enterococci in Waters, Using Fluorescence Sensors: Methods and Results
15:30	Jordan Luther McGrath	Excess Phosphorous and Nitrogen in the Great Barrier Reef: A Conceptual Model Mapping Fertiliser (Nutrient) Runoff Effects on Key Reef Flora/Fauna
15:45	Martin J. Luna Juncal	Application of High-Frequency, Real-Time Data for a Fertiliser Management Decision-Support System
16:00	Mackenzie K. Trenerry	Influence of Suspended Sediments Particle Size on Nitrate Readings from Real-Time Optical Sensors
16:15	Closure	