



SINGAPORE INTERNATIONAL WATER WEEK

ONLINE



18 – 19 November 2020



9:00am – 6:30pm SGT (GMT +8)

Water Reuse – Future Trends and Applications

18 November 2020, Wednesday | 11.00am – 12.00pm SGT (GMT +8)

Co-organised with



About this webinar

Water supply stress is becoming the reality in many developing as well as developed countries, exacerbated by population growth, pollution and climate change. To overcome the lack of clean water, there is increasing interest in water recycling as a solution to meet growing urban water needs. This webinar introduces recent developments in water reuse strategies and technologies, and discusses viable alternatives to Reverse Osmosis (RO)-based potable reuse technologies. Several water reuse case studies from around the world will be presented, including Singapore's approach to water reuse through its NEWater initiative.

This webinar is a preview of the Singapore Water Management (SgWM) Series on Water Reuse organised by PUB, Singapore's National Water Agency, in June 2021. The SgWM Series offers water professionals practitioner-based technical solutions in urban water sustainability and management. It is uniquely designed to combine the knowledge of internationally renowned experts together with PUB's experience as a water utility. Participants can look forward to engaging interactions with the experts, and take away new perspectives on how they can put in place better systems, policies and technical solutions to deliver good water management in their cities.

Why you should attend

Learn about the latest developments and technologies in wastewater treatment and water reuse, including strategies and best practices for implementation.

Find out how to participate in the Singapore Water Management Series

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Programme

11.00am	Welcome Remarks by Singapore International Water Week
11.05am	Water Reuse: Future Trends and Applications Prof Ian Law, Chief Executive, IBL Solutions and Adjunct Professor, University of Queensland A summary of the increasing international acceptance of potable reuse as a safe means of ensuring water security into the future: <ul style="list-style-type: none">• The roles of Source Control (Trade Waste Control) and the Wastewater Treatment Plant in any advanced water reuse application• Impacts of maximising RO recovery – how far can we go and what are the benefits of doing this?• Alternatives to the RO-based Advanced Water Treatment Plant – is there a viable one?• Recent trends in potable reuse technologies – increasing RO recovery, alternative Advanced Oxidation Processes (AOPs), ceramic membranes with and without pre-ozonation• Relevant case studies from around the world
11.35am	Facilitated Q&A Prof Ian Law, Chief Executive, IBL Solutions and Adjunct Professor, University of Queensland Dr Winson Lay, General Manager, Jurong Water Reclamation Plant, PUB, Singapore's National Water Agency
12.00pm	End of Webinar

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Speakers



PROF IAN LAW

Chief Executive, IBL Solutions
Adjunct Professor, University of Queensland

Ian has more than 40 years of experience in advanced treatment and reuse projects in Southern Africa, Southeast Asia and Australia. He is also involved in numerous Water Research Foundation Projects in the US that are all associated with advanced forms of reuse.



DR WINSON LAY

General Manager (Jurong Water Reclamation Plant)
PUB, Singapore's National Water Agency

Dr Winson Lay is currently General Manager of Jurong Water Reclamation Plant and Principal Specialist (Water Reclamation). Winson's interests include leveraging systems and technologies to achieve water sustainability. Winson is a registered Chartered Engineer with the Institution of Engineers, Singapore.

About the Singapore International Water Week



The Singapore International Water Week (SIWW) is the global platform to share and co-create innovative water solutions. The biennial event gathers stakeholders from the global water industry to share best practices, showcase the latest technologies and tap business opportunities. SIWW is part of the strategic programme of the Singapore Government to grow the water industry and develop water technologies.

About The Singapore Water Academy



The Singapore Water Academy is a practitioner-focused learning institute in urban water management. It leverages on PUB's experience in serving Singapore's water needs to provide a suite of programmes that enhance water management competencies.

The Academy brings PUB's experience into the classroom with its team of experienced practitioners. It also taps on PUB's network of international experts and the vibrant ecosystem of companies and research institutes in Singapore to share the latest advancements and practices in water management.

The Singapore Water Academy's (SgWA) Singapore Water Management Series offers water professionals practitioner-based technical solutions in urban water sustainability for senior utility or industry technical water practitioners. Leaders in their fields will bring best practices in different aspects of urban water management into the classroom, using Singapore as a case study.

Find out more at www.pub.gov.sg/sgwa.

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