

SIWW 2008: WATER CONVENTION PRESENTATIONS AND SPEAKERS

Track 1: Water Technology Solutions

Title of Presentation	Speaker
Water is “Gold” in Brisbane: Reuse Relieves Water Supply Stress	Cindy Wallis-Lage
Membrane Design, Optimization and Costing for Treating Recycled Water	Scott Caothien
Advanced Water/Wastewater Treatment Process Selection for Organic Micropollutant Removal: A Quantitative Structure-Activity Relationship (QSAR) Approach	Gary Amy
Phosphorus Removal & Recovery System using a High-Speed Adsorbent	Akihiro Omori
Cost Effective Way to Harvest Estuarine Water – Variable Salinity Desalination Concept	Khoo Kay Leng
Comparing the Performance of Conventional and Membrane Filtration for Seawater RO Pretreatment: Desalination of Variable Salinity/ Variable Quality Source Waters	Jim Lozier
Capacitive Deionization for RO Brine Recovery in NEWater Production	Ng How Yong
Moving Desalination Forward	In S. Kim
Optimisation of Desalination for Low Energy	Bruce Long
New Desalinated Drinking Water Regulations are met by an Innovative Post-Treatment Process for Improved Public Health	Avner Adin
Recent Advancements in Membrane Bioreactors	Yoshimasa Watanabe
Selection of Membranes for MBR: Balancing First Costs and Operational Factors	Julian Briggs
MBR Grasse Roumigières Plant – Feedback of Design and 2 Years of Operation	Chrystelle Langlais
Application of Membrane Technology to Retrofit Large-Scale Conventional Water Treatment Plant in Singapore	James Currie
Long-term Comparison Testing with Sand Ballasted Flocculation (SBF) and High-rate Dissolved Air Flotation (DAF)	Jan van Cappellen
MBR and RO Integrated System for Water Reclamation and Purification	Tao Guihe
Solids Treatment Options in a Changing World Environment	Terry Johnson
Fingerprint of Odour Creation Potential of Sludge Treatment	Valentina Lazarova
Coupled UASB-Activated Sludge Process for COD and Nitrogen Removals in Municipal Sewage Treatment in Warm Climate	Cao Yeshe
Evaluation of Ceramic Membranes with Ozone for Water Reuse	Jonathan Clement
Application of New Generation Ceramic Membranes for Challenging Waters	Geno Lehman
Alternative Pre-treatment to Improve Membrane Performance	Peer Kamp
Recent Advances in Reverse Osmosis and Membrane Distillation	Anthony Fane
Fouling Development in Full-Scale Reverse Osmosis Process	Thuy Tran
Performance of New Generation Membrane Distillation Membranes	Stephen Gray

Track 2: Operational Experiences that Matter – Learning and Sharing

Title of Presentation	Speaker
Treatment of Drinking Water for Distribution: Evolution of Approaches	Vernon Snoeyink
Operating Experience at Singapore’s Largest Membrane Plant	Gerry O’Toole
Sharing of Water Treatment – Practical Experience of Automation and Centralised Control	Keith Cadee
Improvements to Microsand Ballasted Clarification – A Case Study	Philippe Topalian
Telemetry System for Pressure Management and Leakage Control	Supichete Tavorntaveevong and Suttipan Limanond
Achieving Low Unaccounted-for-Water Through Reliable Supply to Customer and Efficient Network Management	Tay Teck Kiang
Lessons Learnt from Pipeline Condition Assessment in Hong Kong	Ian Vickridge
Optimal Design of Multi-source Water Transmission System using Genetic Algorithm Technique	Ulhas Naik
Operational Water Quality Management for Marina Reservoir, Singapore	Tjitte Nauta
Prevention of Urban Flooding and Limitation of Discharges in Wet Weather. Towards Real-time Control of the Louis Fargue Catchment Area in Bordeaux	Christophe Anselme
Wetland Reuse Parks as a Valuable Community Asset: Ten Years of Success with the Wakodahatchee Wetlands, Palm Beach County, Florida	James Bays
Decision Support Tools for Water Resources Planning and Management	Jesper Kjelds
Ready, Set, Run: Lessons learned from Tampa Bay Desalination. The second time is the charm	Christine Owen
World’s First Full-Scale Large Diameter SWRO Plant: The First 6 months of Operation	Felix Wang
SWCC Experience in Operation & Maintenance, a 40 Years Journey from 1968 through 2008	Abdulahdi Alsheikh
Sustainable RO Desalination for Seawater and Brackish Water-Transition from Concentration Polarization to Biofouling Control	Harvey Winters
Industry Wastewater from Problem Analysis to Full-Scale Solution	Helmut Kroiss
Start-up and Initial Operation of Singapore’s 800,000 m ³ /d Changi Water Reclamation Plant	Glen Daigger
Biosolids Drying: Lessons Learned Around the Globe	John Igoe
Improvements in Sewer Rehabilitation Techniques	Declan Downey
Improving Urban Catchment Water Quality through Sewer Rehabilitation Programme: Implementation Strategy	Ooi Lin Kah
Wastewater Collection Management System in Haiphong in particular and in Vietnam in general	Do Trong Dat
Reliability Improvements in Sewage Pumping using Diagnosis with Active Reaction	Paul-Uwe Thamsen
NEWater – An Integrated Approach for Safe Water Reuse	Ong Key Wee
Water Reuse Experience in Orange County - Water Factory 21 to the Groundwater Replenishment System	Michael Markus
UOSA – 30 Years of Indirect Potable Reuse through Surface Water Augmentation	Chuck Boepple

Prevention of Biofouling in Industrial RO Systems: Large Scale Operational Experiences	Han Huiting
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Track 3: Water – Quality and Safety

Title of Presentation	Speaker
WHO Drinking Water Quality Guidelines - Challenges in Asia	Genandrialine Peralta
Example of Application of WHO Guidelines	Shoichi Kunikane
The Vietnamese Drinking Water Standards	Vo Minh Anh
WHO Guidance for Health and Environmental Aspects of Desalination Including Chemical Challenges and Nutrient Minerals	Joseph Cotruvo
An Assessment of Pharmaceuticals in Drinking Water	John Fawell
What is Learned from Water-Related Outbreaks of Cryptosporidiosis?	Takuro Endo
A Model for Prediction of Disease Burden for Arsenic and Microbial Pathogens in Drinking Water	Feroze Ahmed
Drinking Water Guideline Development in Canada and the United States	Michele Giddings and Edward Ohanian
Household Water Treatment Experiences from Developing Countries: Progress and Potential	Mark Sobsey
Water and Values	Suresh Kumar
Management Strategy for the Chemical Spill in Songhua River	Ren Nanqi
Our Water Our Future – Assessing and Controlling Biological Agents of Concern	Joan Rose
Emerging Enteric and Potentially Waterborne Pathogens in the Region	David Cunliffe
Safe Water for Vulnerable Groups	Ana Maria de Roda Husman
Water Safety Plans for Effective Water Delivery in the Philippines	Francisco Arellano
Water Safety Plans Development and Implementation in China	Rose Lang
Introducing Water Safety Plans in Community Based Low-Cost Water Supply Systems	Jafar Shamsuddin
Scottish Drinking Water Safety Plans and New Zealand Public Health Risk Management Plans – A Comparison	Tim Darlow
Water Safety Plan for Risk Management in the Drinking Water Supply System of Hong Kong	Alfred Lee
Water Quality Risk Assessment – Identifying and Responding to Change in Risk Profiles	Marissa van Donkelaar and Kate Smolenska
Integrated Modeling Approach to Catchment Management	Lazslo Somlyody
Reservoir Water Quality Management in Singapore – Two Reservoirs, Same Problems, but Different Causes, Different Solutions	Hans S. Eikaas
Real-time Water Quality Management in a Hyper-Eutrophic Urban Catchment / Reservoir System – Kranji Reservoir, Singapore	Jason Paul Antenucci
Dealing with the Challenges of Intermittent Water Supplies in the Region	Daniel Deere
Drinking Directly from the Tap – Integrated Water Quality Management System	Kok Tze Weng
On-line Identification of Adverse Water Quality Events from Monitoring of Surrogate Data: CANARY Software	Sean McKenna

Track 4: Cities of the Future

Title of Presentation	Speaker
ABC Waters: Integrating Stormwater Management with the Urban Environment	Tan Nguan Sen
Urban Planning of Sustainable Cities – The Case of Tokyo Bay	Shinichiro Ohgaki
Weathering Climate Change through Regional Cooperation	Patricia Mulroy
From Climate Change to Behaviour Change – Developing a Waterwise Society	Peter Moore
Strategic Planning of Urban Water Systems	Per-Arne Malmqvist
Sustainable Infrastructure in Seattle: Leveraging Capital for Sustainable Outcomes	Steve Moddemeyer
Singapore – A Vibrant City Comes to Life with Water	Brendan Harley
Returning Cheonggae-cheon to the Citizens	Kim Hyunook
City of Salisbury’s Progress Towards Being Its Own Drinking Water Catchment	Stephanie Rinck-Pfeiffer
Design of a district water and wastewater system under the concepts of DESAR and water metabolism	Wang Xiaochang
The Gold Coast Experience - Pimpama Coomera Waterfuture Master Plan	Shaun Cox
Cities for the Ecological Age – Water Management as Part of a Step Change in Overall Resource Intensity	Peter Head
Melbourne – A New City on the Edge	Jill Fagan
Israel at 60: Providing Water Solutions in light of the Urbanization Revolution	Booky Oren

Track 5: Business of Water

Title of Presentation	Speaker
Envisioning a Secure Water Future	Dan McCarthy
Efficient Water Supply Systems – A Case Study on the Phnom Penh Water Supply Authority	Visoth Chea
Turning Adversity into Opportunity – Singapore’s Water Industry	Lee Tung Jean
The Changing Water Resources Landscape in China – Using Seawater Desalination as a major mean to solve water scarcity issues	Guo Youzhi
Overview of Institutional Reform in Australia	John Langford
Major Water Industry Reform in Australia – A Case Study from Queensland	Warren Bruce Adams
The Challenge of Water Governance in Vietnam	Wang Dan Coco
Regulatory Dimensions for Water Supply Systems in Malaysia	Lee Koon Yew
Structural and Regulatory Issues Required to Implement the New Urban Water Paradigm in Australia	Ross Young
Regulations for Water Supply Systems in Malaysia – The Utility’s Perspective	Faizal Othman
Financing Water Supply and Sanitation Projects – The ADB Perspective	Rudolf Frauendorfer
Loans vs ODA vs Internal Financing	Vu Hong Duong
Meeting the Challenges for Water Supply and Distribution in Water-Stressed Countries through Public-Private Partnerships	Llyod Martin
Public Owned vs Corporatised Utilities – The Manila Water Story	Sherisa Nuesa
Achieving Value in Water Projects through Partnership	Moh Wung Hee
Queensland Government Alliance Approach:- Queensland Water Infrastructure Pty Ltd	Graeme Newton
