

DSD International Conference 2014

Venue: Regal Ballroom, Basement 1, Regal Hongkong Hotel, 88 Yee Wo Street, Causeway Bay, Hong Kong

Time	Day 1 (12 November)	
8:30-9:00	Registration	
9:00-9:05	Opening Ceremony	
9:05-9:15	Welcome Speech Director of Drainage Services, Drainage Services Department, HKSARG	
9:15-9:30	Keynote Address Ir. Eric MA Acting Secretary for Development, Development Bureau, HKSARG <i>Towards Smart Development</i>	
9:30-10:00	Keynote Presentation 1 Dr. James BARNARD (Black & Veatch, United States) <i>The Activated Sludge Process in Service of Humanity</i>	
10:00-10:25	Coffee Break	
	Parallel Session (Stormwater Management) <i>Venue: Ballroom</i>	Parallel Session (Wastewater Management) <i>Venue: Monaco Room</i>
	Theme A1: Green Strategies Chair: Prof. Arthur MYNETT	Theme B1: Nutrient Removal Wastewater Treatment Chair: Prof. Hallvard ØDEGAARD
10:25-10:45	A1-1 Prof. Takashi ASAEDA (Saitama University, Japan) <i>Use of Aquatic Plants in Urban Drainage Wetlands</i>	B1-1 Prof. George EKAMA (University of Cape Town, South Africa) <i>Recent Developments in Biological Nutrient Removal</i>
10:45-11:05	A1-2 Mr. Neil Breton (Atkins, United Kingdom) <i>Improving Green Infrastructure to Enable Tourism and Development: Identifying and Assessing Sites for SUDS Retrofit in Blackpool, UK</i>	B1-2 Mr. Tianwei HAO (The Hong Kong University of Science and Technology, Hong Kong) <i>Characterisation of Sulfate Reducing Granular Sludge in the SANI Process</i>
11:05-11:25	A1-3 Prof. Kuei-Hsien LIAO (The Chinese University of Hong Kong, Hong Kong) <i>Towards Resilient, Floodable Cities: Floodability as an Alternative Flood Safety Standard to Promote River Health</i>	B1-3 Mrs. Wiebke RAND (Xylem Services GmbH, Germany) <i>Ozone to Control Bulking and Foaming in Municipal Wastewater Treatment Plants</i>
11:25-11:45	Q & A Session	Q & A Session

DSD International Conference 2014

Venue: Regal Ballroom, Basement 1, Regal Hongkong Hotel, 88 Yee Wo Street, Causeway Bay, Hong Kong

	Theme A2: Sustainable Urban Drainage System (SuDS) Chair: Prof. Albert YEUNG	Theme B2: Micro-pollutant in Wastewater Treatment and Disinfection Chair: Prof. J H QU
11:50-12:10	A2-1 Prof. Onyx WAI (The Hong Kong Polytechnic University, Hong Kong) <i>Extensive Green Roofs: First Step towards Sustainable Urban Drainage System Design in Hong Kong</i>	B2-1 Prof. M H WONG (The Hong Kong Institute of Education, Hong Kong) <i>Environmental Geochemistry of Persistent Toxic Substances – with a Focus on Food Contamination</i>
12:10-12:30	A2-2 Dr. Ting Fong, May CHUI (The University of Hong Kong, Hong Kong) <i>Managing Stormwater with Low Impact Development in Highly Urbanised Areas</i>	B2-2 Mrs. Kirsten MEYER (Xylem Services GmbH, Germany) <i>Pathogen Specific UV System Sizing for Wastewater and Reuse – "Best Fit" Design Without the Pilot</i>
12:30-12:50	A2-3 Mr. Jianhong LAN (Shenzhen River Regulation Office, China) <i>The Regulation of Shenzhen River Stage IV - A New Sustainable and Ecological Approach</i>	B2-3 Ms. Anni ZHANG (The University of Hong Kong, Hong Kong) <i>Geographical Distribution and Seasonal Dynamics of Polyphosphate Accumulating Organisms and Glycogen Accumulating Organisms in Sewage Treatment Plants</i>
12:50-13:10	Q & A Session	Q & A Session
13:10-14:30	Lunch (Regal Palace, 3/F)	
	Theme A3: Climate Change and Flood Risk Management Chair: Prof Steven WRIGHT	Theme B3: Odour Management Chair: Dr. Peter DOLD
14:30-14:50	A3-1 Mr. Adri VERWEY (FloodConsult, Singapore) <i>Climate Change Impacts on Urban Flood Risks</i>	B3-1 Prof. Z W CAI (Hong Kong Baptist University, Hong Kong) <i>Chemical Determination of Odorants in Air from Sewage Treatment Works</i>
14:50-15:10	A3-2 Prof. Xiaotao CHENG (China Institute of Water Resources and Hydropower Research (IWRH), China) <i>Evolution of Urban Pluvial Flood Risks and Approaches to Urban Flood Resilience</i>	B3-2 Mr. Stuart LEE (Odotech Inc., United Kingdom) <i>Static vs Dynamic Odour Control: A Better and More Cost Effective Solution</i>
15:10-15:30	A3-3 Mr. TONG Hang-wai (Hong Kong Observatory, Hong Kong) <i>Rainfall Projection for Hong Kong in the 21st century using IPCC AR5 Model Data</i>	B3-3 Dr. Alexander P MATHEWS (Kansas State University, United States) <i>Control of Microbiologically Induced Corrosion of Collection System Infrastructure</i>
15:30-15:50	Q & A Session	Q & A Session
15:50-16:10	Coffee Break	
16:10-16:40	Keynote Presentation 2 Ir. Prof. Joseph H W LEE (The Hong Kong University of Science and Technology, Hong Kong) <i>Application of the WATERMAN Real Time Coastal Water Quality Management System to Environmental Engineering and Control</i>	
16:40 -16:55	Speech Ir. C S WAI Permanent Secretary for Development (Works), Development Bureau, HKSARG <i>Towards Smart Development: Smart Stormwater Development</i>	

DSD International Conference 2014

Venue: Regal Ballroom, Basement 1, Regal Hongkong Hotel, 88 Yee Wo Street, Causeway Bay, Hong Kong

Time	Day 2 (13 November)	
8:30-9:00	Registration	
9:00-9:10	Welcome Speech Director of Drainage Services, Drainage Services Department, HKSARG	
9:10-9:25	Keynote Address Mr. K S WONG Secretary for the Environment, Environment Bureau, HKSARG <i>Wastewater Management in relation to Sustainable Development in Hong Kong</i>	
9:25-9:55	Keynote Presentation 3 Prof. Roger A FALCONER (Cardiff University, UK) <i>Integrated Water Modelling and Management for Bathing Water Compliance</i>	
9:55-10:20	Coffee Break	
	Parallel Session (Stormwater Management) <i>Venue: Monaco Room</i>	Parallel Session (Wastewater Management) <i>Venue: Ballroom</i>
	Theme A4: Asset Management Chair: Prof Onyx WAI	Theme B4: Compact Technology Chair: Prof. George EKAMA
10:20-10:40	A4-1 Dr. David Thomas ISELEY (Louisiana Tech University, United States) <i>Utilizing Asset Management to Achieve Sustainable Stormwater Systems</i>	B4-1 Prof. Hallvard ØDEGAARD (Norwegian University of Science and Technology, Norway) <i>Compact Wastewater Treatment with MBBR</i>
10:40-11:00	A4-2 Ir. Dr. Albert YEUNG (The University of Hong Kong, Hong Kong) <i>Asset Management of Drainage Facilities Using Advanced Technologies</i>	B4-2 Prof. G H CHEN (The Hong Kong University of Science and Technology, Hong Kong) <i>Development of Self-forming Dynamic Membrane Bioreactor (SDMBR) for Energy-efficient Compact Sewage Treatment</i>
11:00-11:20	A4-3 Mr. Alexander QUINN (AECOM, Hong Kong) <i>Modelling Triple Bottom Line Outcomes for San Francisco's Infrastructure Investments</i>	B4-3 Ir. Dr. Anthony MA (Hong Kong Productivity Council, Hong Kong) <i>New MBBR Carriers for High Loading Applications</i>
11:20-11:40	Q & A Session	Q & A Session
	Theme A5: Hydraulics and Hydrology Chair: Prof. Xiaotao CHENG	Theme B5: Water Reuse Chair: Prof. M H WONG
11:45-12:05	A5-1 Prof. Arthur MYNETT (UNESCO-IHE, The Netherlands) <i>Recent Developments in Hydro-Environment Research</i>	B5-1 Dr. Peter DOLD (Envirosim, Canada) <i>Advanced Nitrogen Removal Configuration with MBR Application for Water Reuse</i>
12:05-12:25	A5-2 Prof. A W JAYAWARDENA (The University of Hong Kong, Hong Kong) <i>Recent developments and challenges ahead in hydrological modelling</i>	B5-2 Dr. Chuyang TANG (The University of Hong Kong, Hong Kong) <i>Forward Osmosis for Desalination and Wastewater Treatment</i>
12:25-12:45	A5-3 Ir. Ruben DAHM (Deltares, The Netherlands) <i>Next Generation Flood Modelling using 3Di: A Case Study in Taiwan</i>	B5-3 Ir. Wai-hung LUK (Drainage Services Department, Hong Kong) <i>An integrated approach in flood prevention and water reclamation in a densely populated metropolitan: Will the innovation work ?</i>
12:45-13:05	Q & A Session	Q & A Session

DSD International Conference 2014

Venue: Regal Ballroom, Basement 1, Regal Hongkong Hotel, 88 Yee Wo Street, Causeway Bay, Hong Kong

13:05-14:25	Lunch (<i>Regal Palace, 3/F</i>)	
	Theme A6: Advances in Hydraulics & Water Quality Modelling Chair: Mr. Adri VERWEY	Theme B6: Energy Management Chair: Prof. G H CHEN
14:25-14:45	A6-1 Prof. Steven WRIGHT (University of Michigan, United States) <i>Modeling Rapid Filling Processes In Stormwater Tunnel Systems</i>	B6-1 Mr. Zuliang LIAO (Cambi Group - China, Norway) <i>Thermal Hydrolysis Pre-treatment for Advanced Anaerobic Digestion for Sludge Treatment and Disposal in Large Scale Projects</i>
14:45-15:05	A6-2 Dr. Frédéric Jordan (E-Dric. CH, Switzerland) <i>Coupling Real-time Urban Flood Forecasting with Pollution Assessment</i>	B6-2 Dr. Po-Heng, Henry LEE (The Hong Kong Polytechnic University, Hong Kong) <i>Net Energy Production Strategies with Saline and Non-saline Sewage Treatment</i>
15:05-15:25	A6-3 Ms. Sarah JONES (Mott MacDonald Ltd, United Kingdom) <i>Balancing the flow - Optimisation of the Malad IPS Screen Chamber using CFD</i>	B6-3 Dr. Klaus NICKEL (Ultrawaves GmbH, Germany) <i>Sonication of Sludge by Innovative High-power Ultrasound Technology – Practical Experiences</i>
15:25-15:45	Q & A Session	Q & A Session
15:45-16:05	Coffee Break	
16:05-16:35	Keynote Presentation 4 Prof. J H QU (Chinese Academy of Sciences, China) <i>Ideas for Building the Concept Wastewater Treatment Plants in China</i>	
16:35 -16:50	Speech Ms Anissa Wong Sean-ye Permanent Secretary for the Environment, Environment Bureau, HKSARG <i>Biosolids Management in Hong Kong</i>	
16:50 -16:55	Closing Ceremony	
Time	Day 3 (14 November)	
Morning	Technical Visits	