

渠務署研究及發展論壇

Drainage Services Department Research & Development Forum 2023

Thinking Outside the Pipes:

Exploring Alternative Approaches to Stormwater and Wastewater Management

Date: 14 Nov 2023

Hong Kong Time:

AM Session: 09:00 – 12:20 PM Session: 14:00 – 16:40

Venue: Room N201, HK Convention and Exhibition Centre, Wanchai, HK

Programme

AM Session:

TIME	PROGRAMME
09:00 - 09:30	Registration
09:30 - 09:50	Opening
09:50 - 09:55	Welcome Speech
09:55 - 10:20	Ir Prof. Irene LO , JP <i>Chair Professor, Department of Civil & Environmental Engineering, HKUST</i> Photoelectrochemical Treatment of Saline Sewage by a Multifunctional Photoanode: Novel Technology towards Sustainability and Carbon Neutrality
10:20 - 10:45	Ir Prof. Kai-leung YUNG , BBS <i>Associate Head and Chair Professor, Department of Industrial and Systems Engineering, PolyU</i> Ir Dr Yuk-ming TANG <i>Senior Teaching Fellow, Department of Industrial and Systems Engineering, PolyU</i> Intelligent Non-invasive Structural Health Inspection System for Multi-part Covers
10:45 - 11:00	Break
11:00 - 11:25	Prof. Zhiguo YUAN , AM <i>Chair Professor, School of Energy and Environment CityU</i> Towards net-zero energy and net-zero carbon wastewater
11:25 - 11:50	Prof. Xiao-yan LI <i>Chair Professor, Department of Civil Engineering, HKU</i> Mainstream anammox: Promise and challenges for sustainable nitrogen removal in saline wastewater treatment
11:50 - 12:15	Ir Prof. Mohamed Salah GHIDAoui <i>Chinese Estates Professor of Engineering and Chair Professor, Department of Civil and Environmental Engineering, HKUST</i> Intelligent Pressure Transient Monitoring System for Rising Mains
12:15 - 12:20	Session Remarks

PM Session:

TIME	PROGRAMME
14:00 - 14:20	Registration
14:20 - 14:30	Opening of Afternoon Session
14:30 - 14:55	Ir Prof. Dan TSANG <i>Professor, Department of Civil and Environmental Engineering, HKUST</i> Enhancing Water Resilience with Blue-Green Infrastructure: A Pilot-scale Study on Bioretention Systems for Stormwater Harvesting in New Development Areas
14:55 - 15:20	Prof. Yunhui LIU <i>Choh-ming Li Professor, Department of Computer Science & Engineering, CUHK</i> <i>Director, Hong Kong Centre for Logistics Robotics</i> Tumbler Inspection Ball for inspection of THEES Tunnel
15:20 - 15:35	Break
15:35 - 16:00	Prof. Jimmy JIAO <i>Professor, Department of Earth Science, HKU</i> Study on Potential Application of Managed Aquifer Recharge (MAR)
16:00 - 16:25	Dr Ping LOU <i>Associate Professor, Department of Computer Science, HKU</i> Vision Generative AI: A new frontier for sewage treatment industry
16:25 - 16:50	Mr Kai WU <i>Head of Environmental Research and Development, HKPC</i> Best practices for eco-friendly wastewater management
16:50 - 16:55	Session Remarks

