

IWA-ASPIRE 2019
31 October - 2 November 2019
List of Oral Presentation (by date, by session, as of 25 October, 2019)

Date and Session	Paper Number	Presenting Author	Country / Region	Paper Title
31/10/2019 Keynote Session 1.1 : Digital Water Utilities	230	Ms Jing-li Xie	China	Development of IoT intelligent pressure acquisition terminal and Cloud platform
	247	Dr. Peiyuan Liu	China	Driving Forces Behind Water Technology Startups In Emerging Water Markets
	357	Mr Chia-Jung Chou	Taiwan	The Enhancement of Pressure Monitoring in Water Supply Network by Using Household Automated Metering and Pressure Sensing System
	721	Ms Alison Mackie	New Zealand	A Blockchain Solution for Sustainable Water Management
31/10/2019 Keynote Session 1.2 : Water Infrastructure Planning and Implementation I	60	Mr Oba Misato	Japan	Reconstruction of a Superannuated Pressure Trunk Sewer, Coordinated with Wastewater Treatment Plant and Pumping Station Maintenance Management
	306	Ms Chomphunut Poopipattana	Japan	Effects of CSO Discharge Pattern and Tidal Change on Spatial Distribution of Microbial Fecal Indicators and PPCPs After Long-duration Rainfall Events
	527	Dr Sivakumar Subramanianiam	Sri Lanka	Estimation of Surface Runoff for an Ungauged Watershed in Sri Lanka
	696	Mr Juan Gutierrez Andres	United Kingdom	Active System Management for drainage networks and river systems (Case studies of Flow and Flood forecasting systems around the world).
31/10/2019 Keynote Session 1.3 : Paradigm Shifting in Wastewater Resources Recovery	27	Ir K. K. CHEUNG Ir W. K., Sussana LAI	Hong Kong	The Beginning of a Co-digestion Chapter in Hong Kong Sewage Treatment Works
	257	Mr Naoki Ota	Japan	Efficiency of polarity inversion for precipitated phosphorus recovery in electrolysis with anaerobic digestion effluent
	505	Mr Di Deng	Norway	Cambi Advanced Digestion for Upgrading of Sludge Treatment in Xiaohongmen Water Reclamation Plant with Two Years Operational Experience
	589	Ms Chunxiao WANG	Hong Kong	Minimum Solid Retention Time Identification of Anaerobic Co-digestion of Food Waste and Sewage Sludge at Thermophilic Condition
31/10/2019 Keynote Session 1.4 : Intelligent Water Supply	90	Mr Mineya Matsuzawa	Japan	Strategic Development of Pipeline Networks towards the Tokyo 2020 Olympic and Paralympic Games
	275	Ir Alice Jawan Empaling Mr Soon Sing Wong	Malaysia	Sarawak Water Supply Management: The Development and Sustainability of the Sarawak Water Supply
	718	Mr Daniel Spooner	Hong Kong	Digital Design for Optimization of a New Fresh Water Service Reservoir in Hong Kong
	735		Hong Kong	Development of a District-based Government-operated Grey Water Recycling System for Anderson Road Quarry Development
31/10/2019 Keynote Session 1.5 : Water Resilience and Sustainable Water Management	51	Dr CT Kim	Malaysia	Water sector reform in Malaysia: issues and challengers
	189	Dr Qiang Xu	China	Optimization of water loss control targets for water distribution systems considering water savings and environmental benefits
	309	Dr. Pei-Te Chiueh	Taiwan	Water Consumption Impacts of Potable Water System and Rainwater Harvesting System
	532	Mr Ismail Banoo	South Africa	Towards Sustainable Water Use Planning and Management – Case Study Of The Validation And Verification Of Water Use in Kwa-Zulu Natal Province, South Africa.
31/10/2019 Keynote Session 1.6 : Sustainable Urban Drainage System I	198	Mr Robert Santiago	Hong Kong	Revitalization of Tsui Ping River – Breathing New Life into Flood Prevention Facilities
	368	Mr Kun Zhang	Hong Kong	Experimental Investigation on Hydrologic Performance of Porous Pavement in Shallow Groundwater
	586	Dr Wei Zhang	China	A laboratory study to determine the use of active carbon and river sediment-derived biochar as extensive green roofs substrate compositions
	688	Dr Christopher Walker	Hong Kong	Constructed Wetlands for Biodiversity and Flood Resilience
31/10/2019 Keynote Session 2.1 : Tackling Water Environment Challenges with Novel Wastewater Treatment Technologies	473	Mr Hao HUANG	Hong Kong	A New Sulfidogenesis Oxid-Settling Anaerobic (SOSA) Process For In-situ Sludge Reduction And Denitrification Bioaugmentation
	509	Dr Di WU	China	The development and application of MBBR in China
	539	Mr Charlie Chen	Hong Kong	MBBR, AGS and SANI® – Evaluation and Feasibility for Sewage Treatment under Hong Kong Conditions

	547	Mr Andreas Giesen	Netherlands	Practical advancements of Aerobic Granular Sludge for treatment of Asia-Pacific wastewaters
	692	Dr Gang Guo	China	Investigation of multiple polymers in a denitrifying sulfur conversion-EBPR system: The structural dynamics and storage states
31/10/2019	271	Mr Andy W. S. Chan	Hong Kong	An Adaptive Framework for Guiding Responses to Climate Change Impacts on Sewerage Facilities in Hong Kong
Keynote Session 2.2 : Water Management for Climate Change Adaptation	364	Mr Simon Y O Lai	Hong Kong	Upgrading Urban Drainage System for Climate Change: Planning and Design for Extension of Tai Hang Tung Stormwater Storage Scheme in Mong Kok
	622	Prof. Dr. Chris Zevenbergen	Netherlands	Implementing climate adaptation responses: The fourth-generation climate adaptation challenge
	677	Professor Ioan Bica	Romania	Green Infrastructure Implementation in Urban Area
	702	Mr Dong-Ho Nam	South Korea	Development of Forecasting Technique for Debris flow using Critical Accumulated Rainfall
31/10/2019	114	Mr Chang Ying-Hsing	Taiwan	Applying Machine Learning to Predict Water Loss Hot Spot in Taipei Area
Keynote Session 2.3: Water Loss & Leak Detection	138	Prof Tarek Zayed	Hong Kong	Leak Detection Systems in Water Mains: A Hong Kong Case Study
	208	Mr Hugh Chapman	Australia	Effectiveness Of Large Diameter Leak Detection In Reducing NRW
	554	Mr Tony W LAU	Hong Kong	Implementation of Water Intelligent Network
31/10/2019	50	Mr. Ricky Y.M. FUNG	Hong Kong	Development of Underground Asset Management for Water Supply in Hong Kong – A Learning Journey
Keynote Session 2.4 : Water Infrastructure Asset Management	54	Mr. Kiyooki Kitamura	Japan	Pipe Inspection for Tokyo Wastewater Resilience; Policy and Technological Development
	249	Mr Yuta Yokoyama	Japan	Seismic Design Concept In Kyoto Municipal Water Facilities Earthquake-Resistant Plan And Construction Examples
	396	Dr Kibum Kim	South Korea	Optimal valve installation for risk mitigation in water distribution network using multipurpose genetic algorithm
	689	Mr Peter Wong	Hong Kong	Harbour Area Treatment Scheme Stage 1 Sewage Bypass and Penstock Replacement Works at Main Pumping Station No.1
31/10/2019	31	Ms Cristina Mullin	United States	Warmer and greener: climate change impacts on drinking water reservoirs in temperate regions
Keynote Session 2.5: Climate Change and Adaptation	99	Mr Hang Wai Tong	Hong Kong	Study on weather and water consumption and the plausible impacts of future warming on the water consumption in Hong Kong in the 21st century
	389	Dr David van Senden	Australia	Planning Water Resources in a Changing Climate – Manila East Bay Water Source
	652	Mr. Shunta KOISO	Japan	Quantitative evaluation of water supply and demand balance based on predicted future climate change and social trends
	709	Ms Chiu Wah Lau Mr Wai Hung Luk	Hong Kong	Tailor-made Features to Facilitate Operation of the Tseung Kwan O Desalination Plant
31/10/2019	347	Dr Ching-Yuen Chan	Hong Kong	Development Of Driving Module For Water Mains Repair Robot
Keynote Session 2.6 : Novel Water Solutions	360	Dr Peter, W. T. Tse	Hong Kong	Design of a Deep-learning-based and Smart Maintenance System that can Automatically Diagnose the Current Health Status and Wear Condition of Pumps
	683	Mr Grigorios Kyritsakas	United Kingdom	A Machine Learning application on water quality datasets for understanding the factors of bacteriological failures on Service Reservoirs.
	732	Mr Tim Busker	Netherlands	Resilient Lakes And Reservoirs: Making A Change With Satellite-Based Global Monitoring
1/11/2019	153	Mr Takuya Sakomoto	Japan	Managing water quality in intermittent supply systems: the case of Mukono Town, Uganda
Keynote Session 3.1 : Smart Water Quality Management I	190	Ir Prof Daniel M. Cheng	Hong Kong	Sustainable Development for Water Reuse Bio-toilets & Decentralized Sewage Treatment Plant : From Conceptual Evolvement to Reality Advancement
	503	Prof Xiao-yan Li	Hong Kong	Use of Colourants in Reclaimed Water to Eliminate Risks of Misconnection and Contamination in Dual Water Supply Systems
1/11/2019	222	Mr MIN ZHAN	South Korea	Application of fouling index for forward osmosis (FO) hybrid system: demonstration in pilot
Keynote Session 3.2 : Water Protection and the Use of	285	Dr Maria Concetta Tomei	Italy	An innovative bioreactor for sustainable treatment of high salinity wastewater aimed to process water reuse

Reverse and Forward Osmosis	730	Mr. Cheng-En Shi	Taiwan	Relating the Electrospun Polymer Precursors to Membrane Properties in Forward Osmosis Applying to Concentrate the Semiconductor Waste Stream
1/11/2019 Keynote Session 3.3 : Advanced Oxidation Process	316	Prof Xiaoyuan Zhang	China	Carbon-alumina Binary-supported Catalysts for Efficient Catalytic Ozonation: From Bench-test to Pilot-scale Application
	455	Mr Ya Ming CHEN	Switzerland	Ozone and AOP, known as major players in the preservation of water resources, solutions for municipal and industrial water treatment, are also key stages in industrial and recovery processes
	573	Ir CF LAM	Hong Kong	Rehabilitation Programme of Underground Sewers in Hong Kong
1/11/2019 Keynote Session 3.4 : Water Infrastructure Planning and Implementation II	33	Mr Yau Fu Lau	Hong Kong	Verification Of Computational Fluid Dynamics (CFD) To Simulate Tangential Vortex Intake For Civil Engineering Application
	57	Mr Masakadu Kamoshita	Japan	Designing Maintenance Manholes for Deep-Laid Pipes (the Koto Trunk Sewer)
	561	Ir Jason C.Y. LIU	Hong Kong	Village Sewerage Programme in Hong Kong
1/11/2019 Keynote Session 3.5 : Water Environment Management and the Use of Membrane Technology	181	Prof Tjandra Setiadi	Indonesia	Cadmium (Cd) Biosorption with Dried-Microalgae in a Submerged Membrane Adsorption Hybrid System (SMAHS)
	265	Dr Yi-Ju Wu	Taiwan	Application of Anaerobic Fluidized Bed Membrane Bioreactor (AFMBR) to Enrich Nitrite/nitrate Dependent Anaerobic Methane Oxidation (N-DAMO) Microorganism for Simultaneous Nitrogen and Carbon Removal
	312	Mr Shao Wei Tsai	Taiwan	Evaluation of the feasibility of membrane capacitive deionization (MCDI) process for nitrate removal
1/11/2019 Keynote Session 3.6 : Smart Drainage Management	391	Ir Maxwell S W MAK	Hong Kong	Application of Weather Forecast in Optimizing the Control Philosophy of Shuen Wan Drainage Improvement Works
	405	Mr Olivier Pison Mr Arun Mahadevan	Singapore	Managing a tropical stormwater network with Smart Systems: the Singapore experience
	609	Dr Su Ping Sherry BAO	Hong Kong	Low-drag Energy Saving Conduits by Reversed Printing Technology
1/11/2019 Keynote Session 4.1 : Water Treatment Technologies	34	Ms Yasuko Kitamoto	Japan	Monitoring of Drinking Water Quality by Fluorescence Analysis: Source, Purification Processes, and Tap
	157	Dr Yu-chi Lee	Taiwan	Decomposition of Perfluorooctanoic Acid in Water by Persulfate Activated with Carbon Aerogel
	583	Dr Yang Pan	China	Anion-exchange resin adsorption followed by electrolysis: a new disinfection approach to control halogenated disinfection byproducts in drinking water
1/11/2019 Keynote Session 4.2 : Sustainable Urban Drainage System II	140	Dr Yanny K. Y. Mak	Hong Kong	Quick Fix Site Trial for Ecological and Landscape Enhancement in Urban Concrete Channel of Hong Kong
	423	Ms. Ying Xiao	Hong Kong	Urban Woven Garden in Kwun Tong – Blending “NIMBY” (Not-In-My-Back-Yard) Infrastructure into Community
	501	Prof Xu Wang	China	Life cycle environmental impact analysis of an emerging water infrastructure paradigm to recovering resources from wastewater
	646	Ir Tak-shing, Tommy Wong	Hong Kong	Blue-green Infrastructure in Asia's Mega-cities: A Case Study from Hong Kong – the Development of Anderson Road Quarry Site
1/11/2019 Keynote Session 4.3 : Smart Water Energy solution	401	Mr Sota Takeda	Japan	Greenhouse Gas Emission from Rice Cultivation Using Treated Wastewater with Cascade Irrigation
	592	Prof Zhiqiang Shen	China	Biodegradation of formaldehyde with co-substrates in the methane phase of two-phase anaerobic digestion
	601	Dr Dong Wu	Hong Kong	Energy balance analysis of biological nitrogen removal processes for mainstream wastewater treatment towards energy neutrality
	724	Dr. Daniel C.W. Tsang	Hong Kong	Innovative Reuse of Waterworks Sludge in Controlled Low-Strength Material: Bench-Scale Optimization and Field Test Validation
1/11/2019 Keynote session 4.4 : Pollutant Removal from Wastewater	68	Prof Irene Lo	Hong Kong	Sewage Disinfection with Visible-light-driven Magnetic Photocatalysts
	178	Mr Qian ZENG	Hong Kong	A Three-in-one Electrochemical Pretreatment for Stabilization of Waste Activated Sludge: Enhancing Dewaterability, Inactivating Pathogens and Mitigating Hydrogen Sulfide

	559	Dr Guangjie Zhou	Hong Kong	Retinoids And Oestrogenic Endocrine Disrupting Chemicals In Saline Sewage Treatment Plants: Removal Efficiencies And Ecological Risks To Marine Organisms
	627	Dr Takashi Furukawa	Japan	A study on inactivation of antibiotic-resistant bacteria and their resistance genes by applying pulsed electric field
1/11/2019	150	Mr Ka Kit Cheng	Hong Kong	Performance of a Multifunctional Odour Control Gel for H ₂ S Abatement in SCISTW Dewatered Sludge
Keynote Session 4.5 : Effective Operation of Wastewater Treatment Plants	407	Prof Yili Wang	China	Variations in macro and micro physicochemical properties of activated sludge under a moderate oxidation-in situ coagulation conditioning: relationship between molecular structure and dewaterability
	457	Dr Ing Wei Lo	Taiwan	AIoT Application of a Full Scale A2O Municipal Wastewater Treatment Plant
	671	Ir Dr. Anthony Yiu-wa Ma	Hong Kong	Industrial Waste Treatment Technology - Biodegradation of Aniline of Textile Dyeing Wastewater through Cultivation and Immobilization of Intensified Microbial Strains in the Existing Wastewater Treatment Process
1/11/2019	86	Mr Yojon Tien	Taiwan	Pipe network improvement and energy saving and carbon reduction
Keynote Session 4.6 : Climate Change and Energy	235	Mr CHIH-HSIEN LIN	Taiwan	Indirect Water Supply Mode-Pump Scheduling Optimization Using Big Data Analytics
	637	Mrs Nan Su	Netherlands	PIB Urban Challenges - Integrated Sustainable Solutions for urban city and water problem
	722	Dr Aileen Aseron Espiritu	Norway	Negotiating water as a resource: the benefit-sharing dynamics of managing hydropower in a triborder region in the European Arctic.
1/11/2019	211	Dr Seung Won Lee	South Korea	Comparison of spatial and temporal variation of water quality between before and after artificial weir construction using Self-Organizing Map (SOM) in Yeongsan watershed, Korea
Keynote Session 5.1 : Smart Water Quality Management II	218	Mr Takaomi Takeuchi Dr Dai Simazaki	Japan	Significance of Remote Water Quality Monitoring for Water Distribution Network Management -Current Situation of Remote Monitoring at Small Japanese Water Supply Systems and Case Study of Appropriate Residual Chlorine Management using Remote Monitoring Dataset-
	327	Prof Tsair-Fuh Lin	Canada	Smart Algal Monitoring Techniques for On-time Management of Bloom Events and Treatment Adjustment
	371	Mr Ho Wai Tang	Hong Kong	Application of Unmanned Surface Vessel (USV) System for Water Quality Profiling and Sampling at Impounding Reservoirs in Hong Kong
	496	Prof Chih-Hua Chang	Taiwan	Development of a sampling drone for routine water quality surveys in drinking water reservoirs of Taiwan
1/11/2019	237	Mr Tomofumi UCHIDA	Japan	Development of a New Pipeline Internal Ventilation System and Its Expansion of application
Keynote Session 5.2 : Modelling & Reinventing Engineering Solution for Wastewater Treatment	427	Dr KW Choi	Hong Kong	Chlorine Disinfection Dosage Optimization of the Hong Kong Harbour Area Treatment Scheme 2: Model Study and Field Testing
	449	Prof Feng Jiang	China	Evaluation of sulfide formation in a mega-sized deep-tunnel sewer system in Hong Kong
	625	Graduated Student Ting-Fang Jheng	Taiwan	Prediction of Dissolved Oxygen Based on State of the Art Modeling Techniques: A Case Study of Wastewater Treatment Plant in Taiwan
1/11/2019	75	Ir Satoshi Nakao	Japan	Fate of Microplastics in Japanese Wastewater Treatment Plant and Optimization of Microplastics Treatment
Keynote Session 5.3 : Advanced Wastewater Treatment I	253	Dr Yuanyuan Wu	China	Sludge Granulation In The Municipal Wastewater Treatment In China
	453	Dr. Shuai Wang	Norway	First full-scale three stages CFIC® biofilm reactors for municipal wastewater treatment - a case study
	482	Mr Nok Him Leung	Hong Kong	A lab-scale investigation of upgrade CEPT with a sludge minimizing energy and space saving biological treatment
	679	Mr Mathieu Le Noir	Vietnam	IFAS Anammox deammonification process for treating THP reject water: from lab/pilot to full scale
1/11/2019	23	Mr Sylvain DONNAZ	France	Sidestream De-ammonification Coupled With Thermal Hydrolysis Process: Know-how, Experience and Solutions
Keynote Session 5.4 : Partial Nitrification-Anammox Process	205	Dr Luo Min	Canada	Controllable Nitritation and De-ammonification in Membrane Aerated Biofilm Reactor (MABR)
	418	Ms Xinyu Wan	Belgium	Effect of Operating Conditions on N ₂ O Emissions From One-Stage Partial Nitritation-Anammox Reactors
	530	Mr Shuhei Ohmae	Japan	Free ammonia inhibition on the anammox activity

				Achieving Efficient Sludge Management: Full-scale Demonstration Of Partial Nitritation/Anammox On The COD-rich Centrate From Sequential Thermal Hydrolysis And Anaerobic Digestion
	695	Ir Robin Jordaens	Netherlands	
1/11/2019	21	Prof XIAOJIAN ZHANG	China	Research on Emergency Drinking Water Treatment Technologies for Oil Spills
Keynote Session 5.5 : Membrane Technology and Seawater Desalination	324	Ms Yu-Ling Huang	Taiwan	Activated carbon fibers with hierarchical nanostructure by electrospinning for membrane capacitive deionization
	653	Dr LIANG ZHANG	japan	Ozone-Membrane Hybrid Process for Retrofit of Traditional Small Water Purification Plant
	104	Dr Nada Verdel	Slovenia	White Water Treatment Optimization of Wood-Free Paper Industries by Means of Bioaugmentation-assisted Bioremediation
1/11/2019	608	Dr. Ch. Tahir Mehmood	China	Ag ₃ PO ₄ Decorated TiO ₂ Photocatalyst Immobilized in a Highly Stable Polysulfone/Alginate (PSF/Alg) Matrix for Easy Recovery and Extended Use
Keynote Session 5.6 : Industrial and Agricultural Wastewater Pollution Control	624	Ms Yu-Chin Li	Taiwan	Enhanced Sonochemical Degradation of Isopropanol by Persulfate Ions
	640	Ms Uyen Dinh Thi To	Japan	Enhanced Nutrient Removal from Anaerobically Treated Swine Wastewater by Duckweed in Lab-Scale Stabilization Ponds in Vietnam
	698	Mr Kwok Wah, Billy Cheung	Hong Kong	Novel Wastewater Treatment Method to Reduce Total Nitrogen Level in Flue Gas Desulphurization Wastewater
	182	Mr CHIN-TSE CHENG	Taiwan	Study on application and management of water wise community, from development of smart city –with Jian Kang public housing as an example
2/11/2019	604	Prof Hsin-hsin Tung	Taiwan	Biostability changes during water stagnation
Keynote Session 6.1 : Urban Water Management	716	Mr. Samson Chan	Hong Kong	Tai Po Water Treatment Works: A Model of Sustainability Innovation
	741	Dr Qinghua YE	Netherlands	Quantitative assessment approach of water system design for Shenzhen New Marine City
	346	Ir Ho Yeung Wong Ir Wai Ying Chan	Hong Kong	Kai Tak River - An Urban Green River Corridor
2/11/2019	428	Dr Man Yue Lam	Hong Kong	Boost the tunnel - enhancement on intakes efficiency for Hong Kong West Drainage Tunnel
Keynote Session 6.2 : Flood Disaster and Adaptation Measures in Urban Cities	618	Mr. Xiangyu Ren	China	Methods For The Establishment Of Drainage & Flood Protection Planning System In Coastal Hilly Area: A Case Study Of Dapeng Bay Drainage Basin
	665	Mr. Yuta NOMURA	Japan	Storm surge land flooding mitigation by green infrastructure in South Pacific island nations
	67	Dr Yu Hong Jia	China	Photoelectrocatalytic removal of perchlorate over Ag deposited TiO ₂ nanotube arrays anode and Ti mesh cathode
	381	Dr Masahiro TOKUMURA	Japan	Comparison of Three Different Kinds of Advanced Oxidation Processes in Removal of Pharmaceuticals with Co-existing Substances
2/11/2019	442	Mr. Laurent Accorsi	Hong Kong	Developing Innovative Applications of Ultraviolet Light Technology in Primary Sewage Treatment - Design-Build-Operate Partnering Context at San Wai Sewage Treatment Works, Hong Kong
Keynote Session 6.3 : Advanced Wastewater Treatment II	533	Prof Kaimin Shih	Hong Kong	Activation of Peroxymonosulfate Using Reduced Graphene Oxide-Cobalt Ferrite Composites for Ofloxacin Degradation
	239	Ms Yu Nam Chan	Hong Kong	Constructed Wetlands in Hong Kong – Lesson Learnt from Previous Experience and Opportunities for Dual Functions
	366	Ms Julia W. Y. Chan	Hong Kong	Ecologically-Friendly Drainage River Channels: Lessons Learnt from Hong Kong
	393	Dr David Gallacher	Hong Kong	Best Practices in Urban Surface Water Management that Integrate Biodiversity Considerations
2/11/2019	591	Prof Kenneth M. Y. Leung	Hong Kong	Design Options, Implementation Issues and Evaluating Success of Ecologically-Engineered Shorelines
Keynote Session 6.4 : Biodiversity and Ecosystem-based Approach in Water Management	536	Prof Ruihua Dai	China	Cyanobacterium removal and control of algal organic matter (AOM) release by UV/H ₂ O ₂ pre-oxidation enhanced Fe(II) coagulation
	550	Ms. Ruya Chen	China	Field Study on the Occurrence and Transport Behaviors of Perfluoroalkyl Acids in Drinking Water Distribution Systems
	708	Dr Hongyan Zhai	China	Occurrence and fate of macrolide antibiotics and antibiotic resistance genes in terminal water purifiers

2/11/2019 Keynote Session 6.6 : Forward Thinking Water Solutions	528	Ms Hilda H.C. MOK Mr James H.Y. CHAN	Hong Kong	Further Enhancing Quality of Coastal Waters of Victoria Harbour
	575	Mr Ryan De Sotto	Singapore	Microbial community structure and their influence on nitrogen and phosphorus removal in a low-energy reciprocation MBR for domestic wastewater treatment
	645	Ir Norman N SONG	Hong Kong	Development of Lok Ma Chau Loop: Ecological Area cum Flood Retention Pond