

Water Forum 2018 – Speaker Profiles



Mr. LAI Sau-tak, Edwin

Mr. LAI Sau-tak, Edwin is a Fellow of the Hong Kong Meteorological Society, and is a Fellow and Chartered Meteorologist of the Royal Meteorological Society since 2005. He graduated from the University of Lancaster with a Bachelors in Environment Science and from the University of Reading with a Masters in Meteorology. Mr. LAI joined the Hong Kong Observatory as Scientific Officer in 1986. He later became Assistant Director in 2012, and is currently looking after matters relating to development, research and administration. Mr. LAI has decades of experience in operational forecasting, tropical cyclone analysis and research, development of operational forecasting systems, public weather services, and climate services and studies. He has international consultancy experience under both World Meteorological Organization (WMO) and UNESCAP/WMO Typhoon Committee.



Prof. Chris
ZEVENBERGEN

Prof. Chris ZEVENBERGEN is professor at the Water Engineering Department of IHE Delft and at the Department of Hydraulic Engineering, Faculty of Civil Engineering of the TuDelft, The Netherlands. He is a visiting professor at the Southeast University (SEU) 東南大學, China. He is also Project Director of DeltaCap, a Capacity Development Program funded by the Dutch Government to support the implementation of the Delta Plan in Bangladesh, and of AFMA, a seven years SWF program to develop and implement Anticipatory Flood Risk Management in Alexandria, Egypt. As of 2016 he is advisor of Bax & Company (Barcelona, Spain), a leading European innovation consultancy. From 1999 to 2012 he was Director Research and Development and member of the Management Team of the Dura Vermeer Group NV, one of the largest contractors in The Netherlands. He was a Member of the Board of the Public Private Innovation Platform Clean Tech Delta, The Netherlands in 2013 and 2014.

In the past 20 years he has accumulated extensive national and international experience with integrated approaches to manage floods in urban environments. His research interest is specifically on (i) innovative concepts to mitigate urban flood impacts, (ii) on flood proofing building designs and technologies and (iii) on decision support tool development in urban planning with practical application in urban flood management. He has a strong affinity with the ecological, socio-economic, institutional aspects of urban planning and water management. He has worked extensively on application of theories of resilience to flood risk management systems, including the theory of socio-ecological resilience.



Prof. WU Xiaoming
吳小明教授

Prof. WU Xiaoming is deputy chief engineer of the Pearl River Hydraulic Research Institute. He is also the chief expert of the Pearl River Estuary Coast Engineering Research Center of the Ministry of Water Resources of PRC. He is a part-time lecturer at the North China University of Water Resources and Electric Power, and a doctoral advisor at the Graduate School of Hohai University. He is an emergency management specialist for the Guangdong Province.

WU is mainly engaged in research related to estuarine coastal engineering and coastal city water. He has participated in several major hydraulic engineering research projects such as the Hong Kong-Zhuhai-Macau Bridge, Guangzhou Nansha Port, Zhuhai Gaolan Port, Shenzhen Dachan Port, and Lingdingyang channel. He has extensive knowledge on the hydrodynamics and water environment of the Pearl River Estuary.

WU has reviewed more than 300 scientific research projects, published over 40 papers, and edited two monographs. His research has won eight provincial and ministerial awards, and he owns two invention patents and five utility model patents. His main research achievements includes: composite simulation technology of the Pearl River Estuary's complex dynamic process, Qianhai Cooperation Zone water system planning, multi-scale hydrodynamic control method for water environment

management of tidal rivers in the Pearl River Estuary, current flood control capacity and countermeasures in the Shenzhen River, sedimentation behaviour and countermeasures of interflow interception in box culverts, hydrodynamic control of Hengqin, Zhuhai Beautiful Bay construction planning, and Guangzhou deep tunnel engineering research. (Translated from Chinese bio)



Ms LI Chi Miu, Phyllis,
JP

Ms LI Chi Miu, Phyllis, JP is a Fellow of the Hong Kong Institute of Planners and Member of the Royal Town Planning Institute. She joined the Hong Kong Government in the 1980s and has been involved in new towns, district planning, strategic planning, major development projects, and planning and engineering studies. At present, she is Deputy Director of Planning/Territorial of the Planning Department overseeing Hong Kong 2030+ (updating of the territorial development strategy), cross-boundary planning, Lantau Development Strategy, New Development Areas in Northeast NT, Hung Shui Kiu, Yuen Long South and NT North, and the central technical services for the Department.



Mr. LAI Cheuk-ho

Mr LAI Cheuk-ho graduated from the University of Hong Kong in 1984. After obtaining professional qualification in civil engineering, he joined the Hong Kong Government as an Engineer in 1991. He has served in the Development Bureau, Drainage Services Department and Civil Engineering and Development Department (CEDD). He has been involved in port works, reclamation, sewerage and sewage treatment, and other infrastructure projects as well as formulation of works policies and the blueprint for Lantau Development. He is at present the Deputy Director of the CEDD.



Prof. CHE Wu
車伍教授

Prof. CHE Wu is a professor of Beijing University of Civil Engineering And Architecture. He is also a committee member of Green Building Council (China GBC), and a committee member of the Committee of Landscape Architect of China GBC. His main research areas are urban rainfall and flood control and utilization, sponge city, water environment protection and restoration, and new drainage systems. In recent years, he has published more than 100 academic papers in different areas, such as the public-private partnership (PPP) for sponge city projects. In addition, he participated in various large project design and implementation in Beijing and Tianjin, accumulating lots of excellent case studies on sponge city projects.

In the early years, CHE studied in Karlsruhe University in Germany, and worked and conducted research in BASF's Wastewater Treatment Plant. He has won the Beijing Science and Technology Award, and owns two national invention patents and utility model patents.



Dr. David Gallacher

Dr. David Gallacher is an environmental consultant with over 20 years professional and academic experience. He has a PhD in freshwater ecology, and has worked on a wide range of project types including environmental planning and design, water sensitive urban design, ecological assessment and monitoring, habitat creation and land remediation. David has worked on numerous river revitalization, wetland design and sustainable urban drainage projects in Hong Kong and across Asia.



Mr. ZHU Jialin
朱加林先生

Mr. ZHU Jialin is the director of the Guangdong Huayu Eco-City Water Resources Research Institute and the chairman of CRWT Technology Development Co. Ltd. He also holds various positions in professional associations, including director of the Southern Research Society of Soil & Water Conservation, executive director of the Guangdong Engineering Consultant Association, executive director of the Guangdong Environment Protection Industry Association, director of the Guangdong Hydraulic Engineering Society, director of the Guangdong Provincial Society of Soil and Water Conservation, vice chairman of the Guangzhou Municipal Engineering Association and director of the Rain Flood Management Committee, chairman of the South China Sponge City and Water Eco-Industry Innovation Alliance, chairman of the South China Rivers and Lakes Ecological Management Technology Innovation Alliance, permanent member of the International Rainwater Catchment Systems Association.

ZHU is one of the early advocates and promoters of sponge city in China. He has long been focused on the development and application of water environment management and low-impact development technology. He owns the independent intellectual property rights of "CRWT Intelligent Rainwater Resource Management" and aquatic ecological control technologies, winning 13 national invention and utility model patents. These innovations were used in projects like the Guangzhou Asian Games City and helped achieve social and economic benefits. Zhu is appointed by Shaoguan People's Government as one of their water ecology experts. In 2014, he received the third prize on science and technology from People's Government of Guangdong Province.



Ir. LAU S. C., Edwin

Ir Edwin LAU is a civil engineer by profession and worked as an engineer in the Drainage Services Department (DSD) as an engineer in 1995. Mr LAU obtained his master degree in Civil Engineering (Construction Management) in 1996 and Environmental Management in 2003. During his services, he has been involved in various stages of planning, design and construction of new drainage and sewerage works in DSD, and new development area projects in the Civil Engineering and Development Department. Mr LAU is currently overseeing the Land Drainage Division of DSD, including review of drainage master plans, research & development projects and climate change issue for the department.



Mr. CHUNG Siu Wing,
Joseph

Mr. CHUNG Siu Wing, Joseph is an engineer by profession. He has gained various exposures in the Highways Department, Transport Department and Development Bureau. He has been involved in the area of planning and contract administration of highway engineering projects, transport and traffic engineering matters, as well as formulation of works policies. Mr Chung joined the Water Supplies Department in 2016 and is currently overseeing the total water management strategy, promotion of water conservation and development of new water resources in Hong Kong.