

Keynotes

Date: May 30, 2018

Venue: Multiple-function Hall, 12th Floor of Water Resources Building, NHRI
(No. 225 Guangzhou Road, Nanjing)

Opening Ceremony

Time	Topic	Chair
08:30-08:50	1. Opening introductions 2. Welcome speech by Yun Li, Vice President of NHRI, Chair of Local Organizing Committee 3. Address by James Ball, Vice President of IAHR	Shiqiang Wu, NHRI Vice Chair of Local Organizing Committee

Keynote Presentation (Part 1)

Time	Topic	Speaker	Chair
08:50- 09:20	The importance of field monitoring urban catchments	James Ball IAHR	Jinhai Zheng, Vice President of
09:20 - 09:50	Innovative technology of island and tunnel engineering of Hong Kong-Zhuhai-Macao Bridge	Ming Lin / Haiqing Yin Island and Tunnel Engineering of Hong Kong-Zhuhai-Macao Bridge, China	Hohai University Alessio Radice, Chair of IAHR-EMI Committee
09:50 - 10:15		Tea break	
10:15 - 10:45	Seeing through and around the sediment bed; applying the refractive index matching method to unveil complex hydraulic and hypohetic processes	Ralph S. Budwig, University of Idaho, USA	Alessio Radice, Chair of IAHR-EMI Committee
10:45 - 11:15	Application and practice of large-scale hydraulic simulation technology in the research of flood discharge and energy dissipation of high dams	Yun Li NHRI, China	Jinhai Zheng, Vice President of Hohai University
11:15 - 12:00	The role of physical and numerical modeling in experimental hydraulics in Spain and Europe	Luis Balairon Perez, Polytechnic University of Madrid, Spain	University
12:00–14:00		Lunch break	

Keynote Presentation (Part 2)

Time	Topic	Speaker	Chair
14:00 - 14:30	Technologies of measurement and control for physical models of plain rivers and its application	Hongwu Tang, Hohai University, China	James Ball, Vice President of IAHR
14:30 - 15:00	Bridge pier scour in live-bed: from a case-study prototype to an investigation of the process mechanisms	Alessio Radice, IAHR-EMI Committee	Xiaogang Wang, Deputy Director of NHRI
15:00 - 15:30	Study on a number of hydraulic problems in high head and large discharge spillway tunnel	Zhiping Liu China Institute of Water Resources and Hydropower Research, China	Hydraulic Engineering Department
15:30 - 15:50	Tea break		

Keynote Presentation (Part 3)

15:50 - 16:20	Growing challenges in river engineering - What contribution can hybrid modeling make	Sven Wurms, Federal Waterways Engineering and Research Institute, Germany	Xiaogang Wang, Deputy Director of NHRI
16:20 - 16:50	Experimental investigation of meso-hydraulic characteristics of cavitation and its damage	Weilin Xu / Jianmin Zhang Sichuan University, China	Hydraulic Engineering Department
16:50 - 17:20	Combination of numerical and physical models for optimal spillway performance	Jonas person, Norconsult, Sweden	James Ball, Vice President of IAHR
17:20 - 17:50	Application of Water and Sediment Simulation Monitoring and Control Technology in the Estuary Coastal Model	Yunfeng Xia, NHRI, China	