

Second Announcement

The 2nd International Symposium on Hydraulic Modeling and Measuring Technology

May 30–June 1, 2018 Nanjing, China

1. BACKGROUND

With the fast development of physical and numerical modeling technology as well as the technology for measurement and control, much progress has been made in the field of hydraulic physical modeling, numerical modeling and field investigation, which have played and will play an important role in hydraulic engineering and research. The 2nd International Symposium on Hydraulic Modeling and Measuring Technology (ISHMMT 2018) is to be held in Nanjing, China during May 30–June 1, 2018, and will provide a unique platform for technical exchange and demonstration of the development of best practice and new ideas over the recent past.

The latest development of relevant technology in the field of hydraulic physical modeling, numerical modeling, field investigation and measurement will be presented via invited keynote speeches and presentation of papers in parallel sessions. Engineers, scientists and students engaged in hydraulic modeling, field investigation and instrument development are warmly welcomed to ISHMMT 2018.

2. TIME & VENUE

Time: May 30–June 1, 2018

Venue: 12th Floor, Water Resources Building, Nanjing Hydraulic Research Institute
(225 Guangzhou Rd., Nanjing, P. R. China)

3. ORGANIZATIONS

1) Organizers

Nanjing Hydraulic Research Institute (NHRI)
International Association for Hydro-Environment Engineering and Research (IAHR)
Hohai University (HHU)

2) Co-Organizers

IAHR Experimental Methods and Instrumentation Committee (EMI)
State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering, China
International Joint Research Center of Water Science and Engineering, MoST, China
National Engineering Research Center of Dredging Technology and Equipment
Key Laboratory of Water Science and Engineering, MWR, China
Key Laboratory of Navigation Structures, MoT, China
Key Laboratory of Port, Waterway and Sedimentation Engineering, MoT, China
R&D Center of Hydro-Power Engineering Safety and Environmental Technology of NEA, China
Hydraulic Measurement Technical Committee of Chinese Hydraulic Engineering Society
Navigation Engineering Committee of Chinese Society for Hydropower Engineering
Hydraulic Measurement Technical Committee of Chinese Hydraulic Engineering Society
Hydraulics Committee of Jiangsu Hydraulic Engineering Society

Hydraulic Engineering Committee of Jiangsu Society of Hydropower Engineering

3) **Supports**

Water Resources Efficient Utilization Projects of the National Key Research and Development Program of China (Project No.: 2017YFC0404600 & 016YFC0401500)

Special Project of Water Pollution Control and Treatment of the National Science and Technology Major Special Projects (Project No.: 2017ZX0703002)

Journal of Hydraulic Research

Water Science and Engineering

China Ocean Engineering

Journal of Hydrodynamics

Advances in Water Science

4. **THEME & TOPICS**

Theme: Important Role of Modeling and Measuring Technology in Water Science Research

Topics:

1) **New Technology for Physical and Hybrid Modelling of River, Coastal and Environmental Flows**

- Modeling of water flow over structures and energy dissipaters;
- Modeling of surface water and groundwater;
- Modeling of sediment transport and fluvial processes;
- Modeling of estuarine and coastal processes and wave movement;
- Modeling of harbors and ports;
- Modeling of pollutants, salty, heated, multi-phase flow and ground flow;
- Modeling of dam and dike breach;
- Similarity theory and scale effects of physical modeling;
- Hybrid model approach and combination of physical approaches with numerical simulation.

2) **Laboratory Measurement Technology**

- Facilities for laboratory measurement;
- Sensor technology and instruments for hydraulic measurement;
- New technology for hydro-environmental and eco-hydraulic measurement.

3) **Field Measurement Technology**

- Field investigation and experiment in inland waters and estuaries and oceans;
- Field investigation and experiment for hydro-environment, eco-system and river restoration;
- Field investigation under extreme conditions: storm, tsunami, flooding, and ice-and-snow disasters;
- Technology of long-term hydraulic monitoring and controlling of hydro-environmental engineering;
- Comparison and integration of laboratory experiments and field investigation;
- Data acquisition and data processing.

5. INTERNATIONAL SCIENTIFIC COMMITTEE & ORGANIZING COMMITTEE

1) International Scientific Committee

Chair:

ZHANG Jiangyun, Member of the Chinese Academy of Engineering, International Fellow of UK Royal Academy of Engineering, President of Nanjing Hydraulic Research Institute, China

Vice Chairs:

Joseph Hun-wei Lee, Fellow of UK Royal Academy of Engineering, Hong Kong University of Science and Technology, Hong Kong, China

Peter Goodwin, IAHR Chair, University of Idaho, USA

Alessio Radice, Chair of EMI, IAHR, Polytechnic University of Milan, Italy

TANG Hongwu, Chairman of Hohai University Council, China

Members:

Prof. Bruce Melville, Fellow of the Royal Society of New Zealand, University of Auckland, New Zealand

Prof. Carsten Thorenz, Federal Waterways Engineering and Research Institute, Germany

Prof. Colin Rennie, University of Ottawa, Canada

Prof. David Zhu, Fellow of Canadian Academy of Engineering, University of Alberta, Canada

Prof. Hubert Chanson, University of Queensland, Australia

Prof. James Ball, IAHR Vice Chair, University of Technology Sydney, Australia

Prof. James Yang, Royal Institute of Technology, Sweden

Prof. Junfeng Zhu, University of Kentucky, USA

Prof. Ling Li, University of Queensland, Australia

Prof. Marcel R.A. van Gent, Deltares, the Netherlands

Prof. Marcel Stive, Member of Royal Dutch Institution of Engineers (KIVI), TU Delft, the Netherlands

Prof. Ralph S. Budwig, University of Idaho, USA

Prof. Rigo Philippe, University of Liege, Belgium

Prof. Shunqi Pan, University of Plymouth, UK

Prof. Tianqi Ye, University of Arizona, USA

Prof. Tom De Mulder, Ghent University, Belgium

Prof. Xiaonan Tang, University of Liverpool, UK

Prof. DONG Zhiyong, Zhejiang University of Technology, China

Prof. DOU Xiping, Nanjing Hydraulic Research Institute, China

Prof. HU Chunhong, Member of the Chinese Academy of Engineering, China Institute of Water Resources and Hydropower, China

Prof. HU Xunyue, Changsha University of Science and Technology, China

Prof. HUANG Anbin, Chiao Tung University, Taiwan, China

Prof. HUANG Guobing, Changjiang River Scientific Research Institute, China

Prof. JIANG Chunbo, Tsinghua University, China

Prof. JIANG Enhui, Yellow River Institute of Hydraulic Research, China

Prof. LI Yun, Nanjing Hydraulic Research Institute, China

Prof. LIAN Jijian, Tianjin University, China

Prof. PENG Jing, China Institute of Water Resources and Hydropower, China

Prof. WANG Chao, Member of the Chinese Academy of Engineering, Hohai University, China

Prof. WANG Guangqian, Member of the Chinese Academy of Sciences, Tsinghua University, China

Prof. WANG Junxing, Wuhan University, China

Prof. WANG Pingyi, Chongqing Jiaotong University, China

Prof. WANG Zhaoyin, Tsinghua University, China

Prof. WU Jianhua, Hohai University, China

Prof. WU Peng, CCCC Water Transportation Planning and Design Institute Co., Ltd., China

Prof. WU Yihong, China Institute of Water Resources and Hydropower, China

Prof. XIA Jun, Member of the Chinese Academy of Sciences, Wuhan University, China

Prof. XU Weilin, Sichuan University, China

Prof. YAN Genhua, Nanjing Hydraulic Research Institute, China

Prof. ZHANG Cangrong, Taiwan University, Taiwan, China

Prof. ZHANG Huaqing, Tianjin Research Institute for Water Transport Engineering, China

Prof. ZHANG Changkuan, Hohai University, China

2) Organizing Committee

Chair:

Prof. LI Yun, Vice President, Nanjing Hydraulic Research Institute

Vice Chairs:

Prof. WU Shiqiang, Nanjing Hydraulic Research Institute

Prof. ZHENG Jinhai, Hohai University

Members:

CHEN Hong, Senior Experimenter, Hohai University

Prof. CHEN Qiuwen, Nanjing Hydraulic Research Institute

Prof. GAO Changsheng, Nanjing Hydraulic Research Institute

Prof. GUAN Tiesheng, Nanjing Hydraulic Research Institute

Prof. HU Ya'an, Nanjing Hydraulic Research Institute

Prof. PAN Junning, Nanjing Hydraulic Research Institute

Prof. SUN Feng, Nanjing Hydraulic Research Institute

Prof. WANG Lingling, Hohai University

Prof. WANG Xiaogang, Nanjing Hydraulic Research Institute

Prof. WANG Yintang, Nanjing Hydraulic Research Institute

Prof. XIA Yunfeng, Nanjing Hydraulic Research Institute

Prof. XU Shikai, Nanjing Hydraulic Research Institute

Prof. XUAN Guoxiang, Nanjing Hydraulic Research Institute

Prof. YANG Dongli, Nanjing Hydraulic Research Institute

Prof. ZHU Yuliang, Hohai University

3) Secretariat

Secretary-General:

Prof. HU Ya'an, Nanjing Hydraulic Research Institute

Members:

LU Jun, ZHAO Shougao, SHEN Ying, LI Jun, HUANG Hailong, FENG Zhonghua,

CHEN Rong, ZHOU Tiantao, LI Yanfu, WANG Xiuhong, ZHAO Gensheng, XU Cancan

6. LANGUAGES

Plenary Session: English & Chinese (simultaneous translation)

Parallel Sessions: English

7. PAPER SUBMISSION

Prospective authors are welcome to submit papers dealing with the Symposium theme and related topics. Please prepare your paper in English in WORD Format according to the paper template on the website, and submit it online before **Feb. 28, 2018**. After review by the Academic Committee of ISHMMT 2018, accepted authors will be notified by email before **March 31, 2018**.

A digital book of full papers will be available upon the on-site registration. After the Symposium, the proceedings of 50-60 selected papers will be jointly published by Springer Group and China Science Publishing & Media Co., Ltd, and the latter will help in the application of SCI collection. In addition, excellent papers will be recommended to leading journals as follows:

- 1) Journal of Hydraulic Research (ISSN 0022-1686) (Indexed by SCI) IF=1.268(2016)
- 2) Journal of Hydrodynamics (ISSN 1001-6058) (Indexed by SCI) IF=1.174(2016)
- 3) China Ocean Engineering(Indexed by SCI) IF=0.621(2017)
- 4) Water Science and Engineering (ISSN 1674-2370) (Indexed by EI)
- 5) Advances in Water Science (ISSN 1001-6791) (Indexed by EI)

8. PRELIMINARY SCHEDULE

Date	Time	Activity
May 29, 2018	8:00-22:00	On-site registration, and confirmation of Post-Symposium Technical Tour Venue: R&D Hotel
May 30, 2018	8:30-9:30	Opening Ceremony
	9:30-12:00	Plenary Session Venue: 12 th Floor, Water Resources Building, NHRI
	13:30-17:30	Plenary Session Venue: 12 th Floor, Water Resources Building, NHRI
	17:30-20:00	Welcome Dinner
May 31, 2018	8:30-12:00	Parallel Sessions Venue: 3 rd Floor, R&D Hotel
	13:30-17:30	Parallel Sessions Venue: 3 rd Floor, R&D Hotel
June 1, 2018	8:00-17:00	Post-Symposium Technical Tour

9. POST-SYMPOSIUM TECHNICAL TOUR

The Symposium participants will have an opportunity to visit the Sanchahe River Gate, Nanjing Water Exhibition Hall, and NHRI Water Experiment Center (WEC), where there are lots of large-scale physical models of hydraulic and river engineering.

Details on the Post-Symposium Technical Tour will be provided on the Symposium website later.

10. REGISTRATION FEE

- 1) **Early-Bird Registration** (before Mar. 31, 2018)
USD350 for general participants, and USD175 for students
- 2) **Regular Registration** (after Mar. 31, 2018)
USD500 for general participants, and USD250 for students

NOTES:

- For bank transfer, payment shall be made to the following account:

Account Holder: Nanjing Hydraulic Research Institute

Account No.: 4301019309002800561

Bank Name: ICBC Jiangsu Nanjing Branch

Bank Add.: No.225 Guangzhou Road, Gulou District, Nanjing, PRC

Bank Tel.: +86-25-83732767

Swift Code: ICBKCNBJNJG

When remitting, please write “ISHMMT2018, Paper No. and Participant’s Name” on bank transfer documents, and send the scanned bank receipt with Paper No. by email to ISHMMT_EN@nhri.cn.

- For PayPal transfer, payment shall be made to the following account: paypal@nhri.cn.

- **Service fee charged by bank or PayPal shall be borne by the remitter.**

11. TECHNICAL EXHIBITION

Relevant companies (exhibitors) are warmly invited to participate in the Technical Exhibition of ISHMMT 2018. The exhibition will include new instruments, facilities and software for measurement, data acquisition, transmission and processing for hydraulic modelling and field investigation.

Details on exhibition fee and booth dimension will be provided on the Symposium website later.

12. HOTELS

Participants will be responsible for their own accommodation. Following are some recommended nearby hotels within the walking distance of 10 minutes to the Symposium venues:

- 1) Nanjing R&D Hotel (3-Star), 223 Guangzhou Road, Nanjing, Tel.: +86-25-8582-8666
- 2) Nanjing Grand Hotel (5-Star), 208 Guangzhou Road, Nanjing, Tel.: +86-25-8331-1999
- 3) Nanjing Junheng Hotel (5-Star), 1 Xikang Road, Nanjing, Tel.: +86-25-6962-7788
- 4) Nanjing Jindun Hotel (3-Star), 21 Hujuguan, Nanjing, Tel.: +86-25-8371-9939

13. CONTACT

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