

First Announcement and Call for Papers

2nd International Symposium on Hydraulic Modelling and Measuring Technology (ISHMMT)

June 2018 Nanjing, China

Host:

International Association for Hydro-Environment Engineering and Research (IAHR)

Organizer:

Nanjing Hydraulic Research Institute (NHRI)

Supporting Institutions:

Experimental Methods and Instrumentation (EMI) Committee, IAHR

State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering, China

International Joint Research Center of Water Science and Engineering

Key Laboratory of Water Science and Engineering, MWR, China

Key Laboratory of Navigation Structures Construction Technology, MOT, China

Key Laboratory of Port, Waterway and Sedimentation Engineering, MOT, China

R&D Center of Hydro-Power Engineering Safety and Environmental Technology, NEA, China

Hohai University, China

Navigation Engineering Committee of Chinese Society for Hydropower Engineering

Hydraulics Committee of Jiangsu Hydraulic Engineering Society

(to be added)

Invitation to ISHMMT 2018

With the fast development of physical and numerical modelling technology as well as measuring and controlling technology, much progress has been made in the field of hydraulic physical modelling, numerical modelling and field investigation, which have played and will play an important role in hydraulic engineering and research. In order to meet such development, the 2nd International Symposium on Hydraulic Modelling and Measuring Technology (ISHMMT 2018) is to be held in Nanjing, China in June 2018, which will provide a unique platform for technical exchange and demonstration of the development and new ideas in recent years.

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

1. Time and Venue

Time: June 2018 (Exact time to be announced at the Symposium website later.)

Venue: Nanjing, China (Exact site to be decided)

2. Theme

Important Role of Modelling and Measuring Technology in Water Science Research

3. Topics (including but not limited to)

— New Technology for Physical and Hybrid Modelling of Structure, River, Coastal and Environmental Flows

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

— Development of Instruments and Facilities for Hydraulic and Eco-hydraulic Measurement

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

— Advances in Field Investigation for Hydro and Environmental Engineering

- Field investigation and experiment in inland waters, 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 control for hydro-environmental engineering;
- Comparison and integration of laboratory experiments and field investigation;
- Data acquisition and data processing.

4. First Call for Papers

Prospective authors are invited to submit papers dealing with the Symposium theme and related topics. An English abstract of about 500 words in Word Format shall be submitted via the Symposium website before **September 30, 2017**, indicating the postal mail and email addresses, telephone and fax of the first author or corresponding author. After review by the Technical Committee of ISHMMT 2018, accepted authors will be notified by **October 31, 2017**, and shall prepare and submit a full English paper in Word Format via the Symposium website before **February 28, 2018**. After review by the Technical Committee of ISHMMT 2018, accepted authors will be notified by **March 31, 2018**. Paper format will be provided on the Symposium website.

A digital book of full papers will be distributed at the Symposium. Orally presented papers of good quality will be selected and published in the proceedings after the Symposium. Outstanding papers will be published in leading journals such as JHR, JRBM, JAWER and Water Science and Engineering.

5. Language

The working language is English.

6. Registration

On-line Registration will be available at the Symposium website, and the deadline of registration is **May 15, 2018**. Information of registration fee will be provided on the Symposium website later.

7. Hotels

Participants will be responsible for their own accommodation. Detailed information on hotels will be provided on the Symposium website later.

Following are some recommended hotels:

- A. Nanjing Grand Hotel (5-Star), 208 Guangzhou Road, Nanjing, Tel.: +86-400-778-6588
- B. Nanjing R&D Hotel (3-Star), 223 Guangzhou Road, Nanjing, Tel.: +86-25-8582-8666
- C. Nanjing Jindun Hotel (3-Star), 21 Hujuguan, Nanjing, Tel.: +86-25-8371-9939

8. Options for Post-Symposium Technical Tour

The Symposium participants will have an opportunity to visit some unique facilities and typical hydraulic experiments after the Symposium:

1. NHRI Water Experiment Center, Nanjing, Jiangsu Province;

2. NHRI Water Experiment Center, Dangtu, Anhui Province;
3. NHRI Water Experiment Center, Chuzhou, Anhui Province.
4. NHRI Water Experiment Center, Wuxi, Jiangsu Province.
5. Famous hydraulic projects near Nanjing.

Information of final Post-Symposium Technical Tour will be provided on the Symposium website later.

9. 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. Information on the technical exhibition will be provided on the Symposium website later.

10. Symposium Website

<http://ishmmt2018.iahr.org.cn/>

11. Contact Information

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