International Symposium on Hydraulic Physical Modeling and Field Investigation

Sept. 13-15, 2009, Nanjing, China

（The 2nd Announcement）

With the fast development of measuring and controlling technology, much progress has been made in the field of hydraulic physical modeling and field investigation, which have played and will play an important role in hydraulic engineering and research along with the fast development of mathematical approaches. In order to meet such development, the International Symposium on Hydraulic Physical Modeling and Field Investigation (ISHPF 2010) is to be held in Nanjing, China on September 13 - 15, 2010, which will provide a unique platform for technical exchange and demonstration of the development and new ideas of hydraulic physical modeling and field investigation technology.

The latest development of relevant technology in the field of hydraulic physical modeling and field investigation will be presented via invited speeches and presentations in parallel sessions. Engineers, experts and students engaged in hydraulic physical modeling, field investigation and instrument development are warmly welcomed to ISHPF 2010.

1. The Main Theme

Important role of physical modeling and field investigation technology in hydraulic engineering and research

2. Topics

—New Technology of Physical Modeling of River, Coastal and Environmental Flows

- Modeling of water flow over structures, energy dissipaters and dam breach;
- Modeling of pollutants, salty, heated, multi-phase flow and ground flow;
- Modeling of sediment transport and fluvial processes;
- Modeling of estuarine and coastal processes and wave movement;
- Similarity theory and scale effects of physical modeling.

—Advancement in Field Investigation for Hydro and Environmental Engineering

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

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

- Facilities of indoor and outdoor measurement;
- Sensor technology and instruments for hydraulic measurement;
- New technology for hydro-environmental and eco-hydraulic measurement;
- Data acquisition and data processing.

—Hybrid Model Approach and Combination of Physical Approaches with Numerical Simulation

- Coupling of physical models and numerical models;
- Multi-process, data-driven modeling;
- Other new approaches relating with physical modeling.

3. Organizer

Nanjing Hydraulic Research Institute (NHRI), China

4. Supporting Institutions

International Association for Hydro-Environment Engineering and Research
Chinese Hydraulic Engineering Society, China
China Society for Hydropower Engineering, China
Key Laboratory of Water Science and Engineering, Ministry of Water Resources, China
State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering, China
Hohai University, China
China Institute of Water Resources and Hydropower Research, China
Yangtze River Scientific Research Institute, China
Institute of Yellow River Hydraulic Research, China
Navigation Engineering Committee of Chinese Society of Hydropower Engineering, China
Estuarine & Coastal Science Research Center, China

5. Scientific Committee

Chairman

Prof. Ruikai Zhang, Nanjing Hydraulic Research Institute（NHRI）, China

Vice Chairman

Prof. J. H. W. Lee, University of Hongkong, China

Members

Prof. Alexander Sukhodolov, Institute of Freshwater Ecology and Inland Fisheries, Germany
Prof. Changkuan Zhang, Hohai University, China
Prof. Colin Rennie, University of Ottawa, IAHR HIS Meetings Group Leader, Canada
Prof. Cristobal Mateos, Spain
Prof. Enhui Jiang, Yellow River Institute of Hydraulic Research, China
Prof. Feng Jin, Yangtze River Scientific Research Institute, China
Prof. Genhua Yan, Nanjing Hydraulic Research Institute (NHRI), China
Prof. Guangming Tan, Wuhan University, China
Prof. Guifen Li, China Institute of Water Resources and Hydropower Research, China
Prof. Hualin Wu, Ministry of Communications Research Center of the Yangtze, China
Prof. Ichiro Fujita, Kobe University, Japan
Prof. Jijian Lian, Tianjin University, China
Prof. Joe Aberle, IAHR HIS Secretary, Germany
Prof. Jun Guo, China Institute of Water Resources and Hydropower Research,China
Prof. Kiyoshi Kawanishi, Japan
Prof. Koen Blanckaert, Switzerland River Estuary Channel, Switzerland
Prof. Luis Balairon, Spain
Prof. Marian Muste, the University of Iowa, USA
Prof. Robert Ettema, the University of Iowa,USA
Prof. Shangjie Zhou, Chinese Society of Hydroelectric Engineering, China
Prof. Shuhai Jiang, Nanjing Hydraulic Research Institute (NHRI), China
Prof. Vladimir Nikora, IAHR HIS Chairman, UK

Prof. Wanhong Li, National Natural Science Foundation of China, China
Prof. Weilin Xu, Sichuan University, China
Prof. Xiaode Zhou, Xi'an University of Technology, China
Prof. Xiping Dou, Nanjing Hydraulic Research Institute (NHRI), China
Prof. Yongcan Chen, Tsinghua University, China
Prof. Yun Li, Nanjing Hydraulic Research Institute (NHRI), China
Prof. Yuqun Xue, Academician of Chinese Academy of Sciences,
Nanjing University,China
Prof. Zhaoyin Wang, Tsinghua University, China
Prof. Zhiping Liu, China Institute of Water Resources and Hydropower Research,China

6. Local Organize Committee (LOC)

Chairman

Prof. Jianyun Zhang, Academician of Chinese Academy of Engineering
Nanjing Hydraulic Research Institute(NHRI), China

Vice Chairman

Prof. Yun Li, Nanjing Hydraulic Research Institute, China
Prof. Hongwu Tang, Hohai University, China

Members

Prof. Changhai Han, NHRI, China
Dr. Fulin Cai, Hohai University, China
Prof. Genhua Yan, NHRI, China
Prof. Guobing Huang, Chiangjiang River Scientific Research Institute, China
Prof. Guoxiang Xuan, NHRI, China
Prof. Jiqun Dai, NHRI, China
Prof. Jiufeng Ge, NHRI, China
Prof. Lianxiang Wang, China Institute of Water Resources and Hydropower Research, China
Dr. Lingling Wang, Hohai University, China
Prof. Shaoze Luo, NHRI, China
Prof. Shikai Xu, NHRI, China
Prof. Xiangbao Duan, NHRI, China
Dr. Xiufeng Wu, NHRI, China
Prof. Ya'an Hu, NHRI, China
Prof. Yihong Wu, China Institute of Water Resources and Hydropower Research, China
Prof. Yongjun Lu, NHRI, China
Dr. Zhonghua Li, NHRI, China
Prof. Zili Wang, Yellow River Institute of Hydraulic Research, China

Secretary General

Prof. Shiqiang Wu, NHRI(NHRI), China

Vice Secretaries General

Dr. Xinghua Xie, NHRI, China
Ms. Feng Sun, NHRI, China

Mr. Zhonghua Feng, NHRI, China

7. Important Dates

- **Deadline for Abstract Submission:** Dec. 31, 2009
- **Abstract Acceptance:** Jan. 30, 2010
- **Deadline for Full Paper Submission:** Apr. 30, 2010
- **Acceptance Notification for Full Papers:** May 31, 2010
- **Symposium Date:** Sep. 13-15, 2010

8. Venue

Nanjing Ground Hotel (5-Star), 208 Guangzhou Road, Nanjing, China

Please visit www.ishpf2010.cn for more travel information.

9. Language

The working Language is English.

10. Registration Fee

On-line Registration is available now at the Symposium website: **www.ishpf2010.cn**.
Early-bird registration fee before **June 1, 2010** is USD 420 for each participant. Late registration fee is USD 500.
Registration fee for each student is USD 200, and that of each accompanying person is USD 200 as well.

The registration fee includes conference materials, three lunches, and a reciprocal banquet.

11. Residential Location (Hotels)

Nanjing Ground Hotel (5-Star, Meeting spot), 208 Guangzhou Road, Nanjing

Nanjing R&D Hotel (3-Star), 223 Guangzhou Road, Nanjing

Nanjing Jindun Hotel (3-Star), 21 Hujuguan, Nanjing

Please visit http://www.ishpf2010.cn/zhusu.htm for more information.

12. Technical Tour

Route A: Nanjing – Chongqing – the Three-Gorge Project
Route B: Nanjing – Huangshan Mountain – Shanghai
Route C: Nanjing – Suzhou – Hangzhou – the Xin'anjiang River

Please visit http://www.ishpf2010.cn/e_kaicha.htm for more information.

13. Technical Exhibition

Relevant companies (exhibitors) are warmly invited to the Technical Exhibition of ISHPF 2010. The exhibition will include new instruments, facilities and software for measurement,

data acquisition, transmission and processing for hydraulic physical modeling and field investigation.

Please visit http://www.ishpf2010.cn/TechnicalExhibition_e.asp for more information.

14. Contact

Ms. Feng Sun
Nanjing Hydraulic Research Institute
Add.: 223 Guangzhou Rd., Nanjing 210029, China
Tel: 86-25-8582 8116
Fax: 86-25-8373 4321 Email: en@ishpf2010.cn
Website: www.ishpf2010.cn

Mr. Zhonghua Feng
Nanjing Hydraulic Research Institute
Add.: 225 Guangzhou Rd., Nanjing 210029, China
Tel: 86-25-8582 8270
Fax: 86-25-8582 8222 Email: cn@ishpf2010.cn
Website: www.ishpf2010.cn