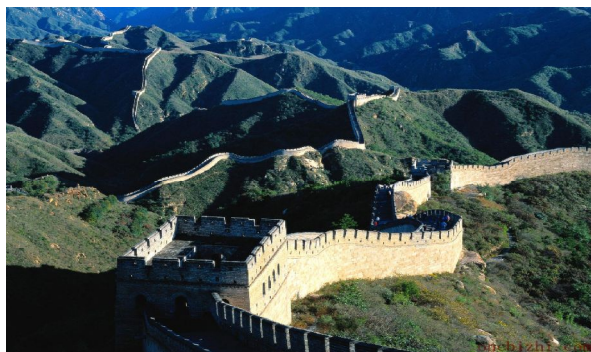


## Beijing, the Capital of China



Beijing has served as the capital of China for more than 800 years. The city has many places of historic interest and scenic beauty, including the Forbidden City - the largest and best-preserved ancient architectural complex in the world; the Temple of Heaven - where Ming and Qing emperors performed solemn rituals for bountiful harvests; the Summer Palace - the emperors' magnificent garden retreat; the Ming tombs - the stately and majestic mausoleums of 13 Ming Dynasty emperors; and the world-renowned and genuinely inspiring Badaling section of the Great Wall.

(<http://www.easytourtchina.com/beijing/beijing-attractions.htm>)

### Post Symposium Tours

**1. Xi'an tour (4 days):** Xi'an is one of China's eight ancient national capitals and the home of the famous Terracotta Army. Xi'an is situated in the center of the Weihe Plain, bounded by the Weihe River in the north and the Qin Mountain Range in the south. Xi'an's main tourist attractions include: The Terracotta Warriors and Horses, The Ancient City Wall, Big Wild Goose Pagoda, Small Wild Goose Pagoda, Huaqing Hot Springs, Banpo Museum, The Forest of Steles, The Great Mosque, Qianling Mausoleum and Famen Temple.

**2. Hangzhou tour (4 days).** Hangzhou is a bustling resort with many historical heritage sites as well as impressive natural beauty. The West Lake, with its extraordinary scenery and temples of historical, justifies the city's legendary status as "paradise on the earth".

**3. Chongqing and Yangze tour (4 days):** Visit Goose Neck Park, Ciqikou Old Town, Light Rail Transit Experience, Chongqing Eling Park Three Gorges Museum. Board the ship and depart Chongqing in the evening. Shore excursion to Fengdu Ghost City, Shore excursion to Shennong Stream, and Three Gorges Dam, the largest water conservancy project.

(<http://www.easytourtchina.com/>)

## Topics

The main theme of this symposium is the up-to-date technologies concerning hydraulic machinery and related systems, which will contribute to enhance the sustainable development of water resources and hydropower generation. The topics to be covered by this symposium include R&D, Numerical and Experimental studies, Design, Operation, Monitoring, etc. as shown below:

### 1. Hydraulic turbines and pumps

- Design and optimization of hydraulic machines
- Unsteady flow phenomena in hydraulic machines
- Erosion and cavitating flows
- Environmental consideration in turbine design and operation
- Marine propeller systems

### 2. Sustainable hydropower

- Vibration in power plants and pumping stations
- Monitoring, diagnosis, optimization and maintenance systems
- Variable speed machines
- Small hydropower
- Ocean power utilization

### 3. Hydraulic systems

- Dynamic behaviour of hydraulic systems
- Valves and gates
- Water supply systems
- Sanitation, urban drainage, irrigation
- Free surface flows

### 4. Advances in computational and experimental techniques

- Models, algorithms and code development in hydrodynamics
- Simulation and analysis of cavitating and multi-phase flows
- Flow stability and control
- Advanced instrumentation
- Efficiency and vibration measurement and analysis

### 5. Innovative technology

- New materials and processes
- Hydraulic equipments for various industries
- Bearings design, optimization and monitoring
- Fluid transport in extreme conditions

## Call for Papers

Papers dealing with any topic included in the above list are invited to the symposium. The abstracts in 400-500 words highlighting the main contributions should be submitted. Deadlines are:

- |                                |                                    |
|--------------------------------|------------------------------------|
| 1) 15 <sup>th</sup> Dec., 2011 | - Abstract                         |
| 2) 15 <sup>th</sup> Jan., 2012 | - Acceptance of Abstract           |
| 3) 1 <sup>st</sup> May, 2012   | - Paper Manuscript                 |
| 4) 1 <sup>st</sup> June 2012   | - Notification of Paper Acceptance |
| 5) 1 <sup>st</sup> July 2012   | - Final paper                      |

The proceedings will be distributed during the symposium. Template for the final paper will be forwarded later on.



## Second Announcement

Tsinghua University, Beijing, China  
August 19 – 23, 2012

Qinghua Garden, 100084 Beijing, China



## 26<sup>th</sup> IAHR Symposium on Hydraulic Machinery and Systems



### Symposium Schedule

- 19<sup>th</sup> August (Sunday), 2012,  
Registration, Meeting of Executive committees
- 20<sup>th</sup> August (Monday), 2012  
Opening ceremony, Invited lectures, Reception party
- 21<sup>st</sup> August (Tuesday), 2012  
Invited lectures, Technical sessions, Entertainment
- 22<sup>nd</sup> August (Wednesday), 2012  
Technical sessions, Banquet
- 23<sup>rd</sup> August (Thursday), 2012  
Technical sessions, Closing ceremony

<http://www.26iahr.org>  
[www.iahr.net](http://www.iahr.net)

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### REGISTRATION FEE:

Registration Type:	EARLY BIRD	REGULAR	LATE
	Before June 15, 2012	June 16, 2012 to August 12, 2012	August 13, 2012 to August 23, 2012
Participant	600 USD	700 USD	750 USD
Student Participant	300 USD	350 USD	375 USD
Accompanying person	300 USD	350 USD	400 USD

\*Additional paper fee is 150 USD per paper.



**Organization**  
 Tsinghua University, Beijing China



**Promotion**  
 International Association for Hydro-  
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