



# *Water for Today and Tomorrow*

**Water Availability, Supply and Security  
in the 21<sup>st</sup> Century**

## Organizers:

Chinese Hydraulic Engineering Society (CHES)



Canadian Society for Civil Engineering (CSCE)



## Contact Information:

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First Conference Announcement



**October 28-30, 2014**

**Tianjin, China**

## **Water for Today and Tomorrow, October 28-30, 2014, Tianjin, China**

**PLAN NOW.** The Chinese Hydraulic Engineering Society (CHES) and the Canadian Society for Civil Engineering (CSCE) are jointly hosting an international conference on water resources to be held in Tianjin, China (about a two hour commute from Beijing) during October 28-30, 2014. Tianjin is home to one of the most prestigious universities in China: Tianjin University which will be a sponsor and contribute to local organization of the conference. There are various means of travel between Tianjin and Beijing including a bullet train that makes the trip in about 30 minutes.

The conference will be held in conjunction with the annual CHES national conference. This conference typically attracts more than 200 delegates.

In addition to Tianjin University, the local hosts are the CHES Tianjin Section and the Hai River Water Conservancy Commission.

### **WEBSITE**

Consult the website for the conference below for the latest updates.

<http://www.ches2014.org.cn/>

### **TOPICS**

The purpose of the conference is to present and discuss the latest research and practice in all aspects of water resources. An international audience will be brought together to discuss the latest advances in the ever more pressing arena of water resources. The need for the conference and its relevance to China and the world is obvious in the face of increasing populations, climate change impacts, and decline in availability of water resources.

All presentations will be made in English.

The main topics to be targeted are as follows.

#### **WATER MANAGEMENT**

- **Global Climate Change and Water Resources**
  - **Climate change effects on hydrologic processes**
  - **Droughts and desertification**
  - **Effects of population growth and development on water quality and quantity**

#### **WATER INFRASTRUCTURE**

- **Sustainable Water Supply Infrastructure**
  - **Water distribution systems**
  - **Advances in water treatment processes**
  - **Water supply security**

## **Water for Today and Tomorrow, October 28-30, 2014, Tianjin, China**

- **Sustainable Wastewater Treatment Infrastructure**
  - **Wetlands treatment**
  - **Advances in wastewater treatment processes**
- **Water Use**
  - **Monitoring and regulating water use**
  - **Industrial and domestic water reuse**
  - **Agricultural water reclamation**
  - **Water conservation**
- **Monitoring Water Resource**
  - **Advances in hydrometric instrumentation**
  - **Advances in water quality instrumentation**
  - **Instrumentation for sediment and ice studies**
  - **Satellite hydrology (remote sensing from space)**

### **ENGINEERING (APPLIED) HYDROLOGY**

- **Advances In Hydrologic Theory and Modelling**
  - **Groundwater-surface water interactions**
- **Hydrologic Forecasting of Droughts and Low Flows**
  - **Statistical analyses of droughts and low flows**

**Papers on any aspect of water resources management including but not limited to watershed modeling for both water quality and quantity, climate change, ecosystem health, remote sensing, water conservation, water reuse, and pollution control will be considered. Both theoretical and practical papers are invited.**

**Over the three day conference duration there will be six parallel sessions covering the topics listed above. Oral presentation sessions will last 30 minutes including 5-10 minutes for discussion.**

**Technical tours will be included in the program. A social program will be organized for partners.**

### **ABSTRACT SUBMISSION**

**Submission of abstracts is open on October 15, 2013. The final date for submission of abstracts is January 31, 2014. Abstracts should have a length of 500 words not including the title, author information, tables, or figures. Abstracts are to be written in 12 pt font with the title of the paper, author(s) and their addresses including email address.**

**Submit your abstract to [rldroste@uottawa.ca](mailto:rldroste@uottawa.ca)**

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**Authors will be informed of the reviewers' decision by February 28, 2014. For abstracts that are selected, the author(s) must prepare either a technical note (4 pages) or a full paper to be submitted by May 31, 2014.**

**At least one author from each accepted presentation must be registered for the conference.**

### **CONFERENCE VENUE**

**Tianjin is the largest port city in North China. Tianjin offers the attraction of ancient China in, for instance, The Old Culture Street with its antique marketplace and the western influence on Fifth Avenue which has more than 230 buildings in English, French, and Italian styles resulting from the earlier presence of functionaries from these countries.**

**Temperature in Tianjin is temperate and autumn is touted as the best time to visit this region by the tourism books.**

### **REGISTRATION**

**Registration fees are \$US 250; payment options will be forthcoming.**

**The hotels that will be identified in the future are 4-star hotels in the price range of \$US 80-100 per night.**

### **ADVISORY COMMITTEE**

**Co-chair: Minister Zhengshu Jing, President of CHES**

**Vice-chair: Prof. Hao Wang, China Institute of Water Resources and Hydropower Research (IWHR)**

**Co-chair: Reg Andres, President of CSCE**

**Vice-chair: Prof. Jim Kells, Chair, Civil Engineering Dept., University of Saskatchewan**

**Prof. Simon Beecham, Head of School of Natural and Built Environments, University of South Australia, Australia**

**Prof. Gyewoon Choi, Director of Smart Water Grid National Research Group, Incheon National University, Korea**

**Sal Figliuzzi, President, Sal Figliuzzi and Associates, Edmonton, Canada**

**Prof. Philippe Gourbesville, Director of Engineering School, Nice-Sophia Antipolis University, France**

**Prof. Kun-Yeun Han, President, Korea Water Resources Association, Kyungpook National University, Korea**

**Prof. Levent Kavvas, Gerald and Lillian Orlob Endowed Chair Professor of Water Resources, University of California-Davis, USA**

**Prof. Joseph H.W. Lee, Vice-President for Research and Graduate Studies, The Hong Kong University of Science and Technology, China**

**Prof. Shie-Yui Liong, Acting Director, Tropical Marine Science Institute, National**

## **Water for Today and Tomorrow, October 28-30, 2014, Tianjin, China**

**University of Singapore, Singapore**

**Prof. Edward McBean, Canada Research Chair in Water Supply Security, University of Guelph, Canada**

**Prof. Catherine Mulligan, Research Chair in Geoenvironmental Sustainability, Concordia University, Canada**

**Prof. Ioan Nistor, Vice-Dean, Graduate Studies, Dept. of Civil Engineering, University of Ottawa, Canada**

**Prof. Roberto Ranzi, Deputy Head for Research and International Cooperation, University of Brescia, Italy**

**Dr. AC Rowney, manager, ACR, LLC, Florida, USA**

**Prof. Ashish Sharma, Australian Research Council Future Fellow, University of New South Wales, Australia**

**Prof. Vijay P. Singh, Distinguished Professor & Caroline and William N. Lehrer Distinguished Chair in Water Engineering, Texas A and M University, USA**

**Prof. Kaoru Takara, Chair of UNESCO-IHP Regional Steering Committee for Asia and Pacific Region, Secretary-General of the Asia Pacific Association of Hydrology and Water Resources, Kyoto University, Japan**

**Prof. Hitoshi Tanaka, Chair of IAHR-Asia Pacific Division, Associate Dean for General Affairs, Tohoku University, Japan**

**Prof. Patrick Willems, Chair of IWA-IAHR Urban Rainfall Working Group, Catholic University, Leuven, Belgium**

**Prof. Nor Azazi Bin Zakaria, Director of River Engineering and Urban Drainage Research Centre (REDAC) Universiti Sains Malaysia, Malaysia.**

### **ORGANIZING COMMITTEE**

**CHES co-chair: Gu Hao, CHES Vice-President (contact: hgu@mwr.gov.cn)**

**CSCE co-chair: Prof. Ron Droste, University of Ottawa (contact: rldroste@uottawa.ca)**

**CHES members:**

**Prof. Zantang Li, CHES Secretary General**

**Prof. Xianshao Ren, Commissioner of Haihe River Conservancy Commission, Ministry of Water Resources**

**Prof. Shangfu Kuang, President of China Institute of Water Resources and Hydropower Research (IWHR)**

**Prof. Jianyun Zhang, President of Nanjing Hydraulic Research Institute (NHRI)**

**Prof. Denghua Zhong, Vice-President of Tianjin University**

**CSCE members:**

**Brian Burrell, Vice-President of CSCE- Technical Programs**

**Dr. Todd Chan, Vice-President of CSCE – International**

**Prof. Jinhui (Jeanne) Huang, Tianjin University, CSCE Special Envoy to China**

**Prof. Van-Thanh-Van Nguyen, Chair of the Dept. of Civil Engineering, McGill University**

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### **TECHNICAL COMMITTEE**

**Co-chair: Prof. Hao Wang, China Institute of Water Resources and Hydropower Research**

**Co-chair: Prof. Van-Thanh-Van Nguyen, McGill University**

**CHES members:**

**Prof. Jianyun Zhang, President of Nanjing Hydraulic Research Institute (NHRI)**

**Prof. Heng Liu, Director General of International Center on Small Hydro Power (ICSHP)**

**Prof. Huaidong Zhou, China Institute of Water Resources and Hydropower Research (IWHR)**

**CSCE members:**

**Prof. Jan Adamowski, Dept. of Bioresource Engineering, McGill University, Canada**

**Prof. Bruce Anderson, Environmental Engineering, Queen's University**

**Prof. Yiping Guo, Water and Environmental Engineering, McMaster University, Canada**

**Prof. Jinhui (Jeanne) Huang, Tianjin University, CSCE Special Envoy to China**

**Prof. Yee-Chung Jin, Environmental Systems Engineering, University of Regina**

**Prof. Gregory A. Lawrence, Canada Research Chair in Environmental Fluid Mechanics, University of British Columbia**

**Prof. Leonard Lye, Professor and Associate Dean (Graduate Studies), Memorial University of Newfoundland**

**Dr. Fayi Zhou, General Supervisor, Area Development Planning, Drainage Services, City of Edmonton**

### **LOCAL ORGANIZING COMMITTEE**

**Chair: Prof. Denghua Zhong, Vice-President of Tianjin University**

**Vice-chair: Prof. Xianshao Ren, Commissioner of Haihe River Conservancy Commission, Ministry of Water Resources**

**Other learned societies are participating on the technical committee to attract presenters and attendants from their organizations. There will be invited keynote speakers on each day of the conference. Sessions will be chaired by invited experts.**

### **CONTACTS**

**CHES: Wang Qiong, [wangqiong@mwr.gov.cn](mailto:wangqiong@mwr.gov.cn)**

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