

2nd Announcement

The 9th International Conference on Urban Watershed Management: Sustainable Water Technologies and Impact Assessment of Climate Change

Tianjin, China. September 14-17, 2014

Organized by:



Tianjin Chengjian University (TCU), Tianjin, China



International Urban Watershed Management Conference Standing Committee
Urban Water Resources Research Council (UWRRC) - EWRI of ASCE
Academy of Water Resources Engineers (AWRE)
Environment and Water Resources Institute (EWRI) of ASCE



University of Virginia, USA



US Environmental Protection Agency
National Risk Management Research Laboratory
Urban Watershed Management Branch



Center for Urban Runoff Control & Stream
Restoration, (CURCSR), School of Environment,
Tsinghua University, China



H₂O-China



Tianjin Water & Wastewater Association

North China Municipal Engineering Design & Research Institute



Tianjin Capital Environmental Protection Group Co. Ltd., China

Tianjin Tap Water Group Co., LTD., China

1. Objectives

The World has entered in the era of intense urbanization. The trend of rapid growth of cities and towns in developing countries is continuing. Such an extraordinary urban growth has exerted enormous pressures on water resources and the urban environment as well as ecological systems. The situation is further exacerbated by climate change and other stressors such as pollution. Protecting the water environment is now one of the most important and pressing issues that demand great attention in all parts of the world. Urban watershed management is therefore critically important to the sustainable use of water resources and the protection of valuable eco-systems. Much research findings and experiences have been gained in recent decades on urban water environment protection technologies, modeling methodologies, and management strategies.

The International Watershed Management Conference series was inaugurated in 1997 at the University of Virginia to provide a forum for sharing research and experiences in watershed management practices. The second conference was held at the University of Virginia in 1999, the third in Taipei in 2001, the fourth in Shenzhen, China in 2004, the fifth in Chengdu, China in 2007, the sixth in Nanchang, China in 2009, the seventh in Auckland, New Zealand in 2010, and the eighth in Beijing, China in 2011.

Tianjin Chengjian University (TCU) will hold the 9th International Conference on Urban Watershed Management: Sustainable Water Technologies and Impact Assessment of Climate Change (9th ICUWM). The objective of the 9th ICUWM is to bring together professionals from various parts of the world together to discuss urban watershed management strategies; techniques and practices for water environment protection and water reuse; modeling and impact assessment of climate change, and institutional/organizational issues that are important in achieving a sustainable utilization of water resources.

2. Major Topics

- A. Sustainable water technologies: Recent advances in water environment research; new technology in wastewater treatment; technology for gray and black water as a resource; control technology for odor and color; distributed or on-site treatment systems; and urban lake/pond water quality restoration and technology for algal control.
- B. Integrated watershed pollution control; total maximum daily load (TMDL) strategies; innovative stormwater or nonpoint source pollution control; low impact development (LID) practices' and new approached to urban water infrastructure planning and design.
- C. Impact assessment of climate change: Modeling impact of climate change on nutrient loadings in watershed; watershed management, water footprint and carbon footprint; and water quality modeling and water environment planning.
- D. Regulatory, organizational and financial aspects of water management: Water environment policies and regulations; economic strategies for water environment protection; mechanisms for water environment financing and watershed management techniques; maintenance and public participation issues.

3. International cooperation

An important activity planned for the Conference is to establish a collaborative agreement between professionals from China and other parts of the world, which will lead to further discussions of subjects of mutual interests and to potential international cooperation through various formats and venues.

4. Introduction of Tianjin

Tianjin is one of the four municipalities directly under the China's central government. It is an economic center in the Bohai-rim Region, the largest coastal city in the north of China, as well as a city of great historical and cultural significance. The city function has been designated as becoming an international harbor city, economic center in north China, and an ecological city. The administrative region of Tianjin covers an area of 11,760 km². It has jurisdiction over 15 districts and 3 counties. It is 120 km away from Beijing, the capital of China, and serves as the gateway to the latter. Tianjin is the birthplace of modern machinery industry in China. With the involvement of Binhai New Area in the national development strategy, Tianjin has become an area with the greatest attraction for investors and the highest investment profit rates in China.

The history of Tianjin 600 year's development has cultivated the distinctive features of the city proper, integrating the modern with the ancient, the west with the east. Tianjin is famous for its culture and arts in north of China. The local folk arts are various. The colorful Yangliuqing New Year Paintings, vividly colored sculptures of Clay Figurines of Zhang Family, impressive well-designed kites of Weis etc. are outstanding representatives of the folk arts of Tianjin. In museums and memorials scattered in Tianjin, you will find 570,000 pieces of cultural relics, including some rarities which deserve to be recognized as national treasures.

5. Tianjin Chengjian University (TCU)

Established in 1978, Tianjin Chengjian University (former Architecture Branch Campus of Tianjin University) is directly under the administration of Tianjin municipal education commission, with urban construction as its characteristic and preponderant disciplines. TCU includes twelve colleges, two teaching divisions and an adult education institute. Currently there are 862 full-time professional teachers, including 121 professors. It currently has 14,142 full-time students, of whom 13,397 are undergraduate and 745 are graduate students. Discipline and specialty: TCU has 5 disciplines including engineering, natural sciences, management, art and humanities, 41 bachelor's degree programs, 9 master's degree programs (first level discipline). TCU has 4 Tianjin key disciplines, including Civil Engineering, Environmental Science and Engineering, Architectonics and Urban and Rural Planning. And two Tianjin key laboratories: Tianjin Key Laboratory of Aquatic Science and Technology, Tianjin Key Laboratory of Soft Soil Characteristics and Engineering Environment. It also has one Engineering Research Center of Ministry of Education and two Tianjin Municipal Engineering Centers.

6. Organizing committee

China:

Organizing Committee

Zhongxian Li, President, Tianjin Chengjian University (Chair)

Liping Sun, Dean, Tianjin Chengjian University (Executive Chair)

Bo Gao, China's Ministry of Water Resources

Yingmin Zhao, Ministry of Environment Protection

Yiming Chen, Ministry of Housing and Urban- Rural Development

Huagang Dou, Tianjin Construction and Traffic Committee

Yuheng Chen, Tianjin municipal water administration

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Min Ji, Tianjin University

Zhongliang Wang, Tianjin Normal University

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Xiaohua Yang, Beijing Normal University
Zhenhu Xiong, Tianjin Chengjian University
Fang Cheng, Tianjin Chengjian University
Shaopo Wang, Tianjin Chengjian University

International Advisory Committee

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7. Language:

English

8. Time and Venue

September 14-17, 2014 in Tianjin, China

9. Schedule

September 14: Arrival, Registration

September 15: Opening, Keynote speeches, Technical sessions and discussions

September 16: Technical sessions, International collaboration discussions

September 17: Technical tours, sightseeing tours

10. Registration Fee

Registration fee: 350 USD. Attendants are expected to pay their own travel and lodging/perdiem and sightseeing trip costs

11. Paper* submission timeline and address

2014/5/1, abstract submission (Re: conference topics, <500 words)

2013/6/1, acceptance notified

2014/8/1, full paper submission

Email: icuwm_9th@163.com

Send abstracts (in WORD format) electronically to the above address. Also, send a hardcopy of the full paper to:

Dr. Chunsheng Qiu

Secretariat

The 9th International Conference on Urban Watershed Management

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Paper format, etc. will be provided.

*It is expected that selected papers from the 9th Watershed Conference will be considered for publication in referred journals such as the *Journal of Water Resources Planning and Management*, *Frontiers of Environmental Science & Engineering*; *Journal of Environmental Science & Health*.