The First Call

The First Asian Symposium on Water Reuse

——Technology Renovation and Risk Management

Beijing, China

April 23 (Thursday) -25 (Saturday), 2015

1 About the Symposium

With the rapid development of economy and society, and also with the effect of global warming and climate change, we are facing with water crisis both locally and globally. In Asian areas, due to the rapid population growth and highly active economy development, challenges to meet water requirements are more serious. Shortage of water resource has become a bottleneck for development of society in some countries.

Water reuse is a sustainable strategy to deal with the issue of water resource shortage. However, many challenges are emerging with water reuse, such as novel technology development, risk assessment and integrated management policies. There are no one-size-fits-all solutions for all countries. Therefore, it is necessary to communicate among researchers from different countries to work together with all these issues, so as to support the sustainable development of our common society.

Launched by Tsinghua University, Korea Institute of Science and Technology (KIST) and Kyoto University, the scope of the Asian Symposium on Water Reuse (ASWR) is to provide a unique platform for local communication, and also broaden concepts, ideas and models for water reuse globally. The symposium will be held once a year, and will be organized and chaired among the three organizations in turn. The first symposium will be held in Beijing, China in 2015.

Organized by:

Tsinghua University, China

Korea Institute of Science and Technology, South Korea

Kyoto University, Japan

Supported by:

Chinese Society for Environmental Sciences (CSES), China

The Committee of Safe Use of Non-conventional Water Resource, Society of Water Industry, China Civil Engineering Society, China

State Environmental Protection Key Laboratory of Microorganism Application and Risk Control (SMARC), China

National Natural Science Foundation of China (NSFC), China

Research Center of Urban Resource Recycling Technology of Graduate School at Shenzhen,

Tsinghua University and Shenzhen Green Eco-Manufacturer High-Tech. Co. Ltd, China

Center for Promotion of Water Reuse, Japan

Liaison Council of Kyoto University-Tsinghua University Cooperative Research and Education Center for Environmental Technology

Waterworks Research Institute (WRI), Seoul Metropolitan Government

Korea Environment Corporation (KECO)

Water Reuse Specialist Group (WRSG), Korean Society on Water Environment (KSWE)

2 Committee

2.1 Chairs of the Symposium

Prof. Hong-Ying Hu	Tsinghua University, China
Prof. Seockheon Lee	Korea Institute of Science and Technology, Korea
Prof. Hiroaki Tanaka	Kyoto University, Japan

2.2 Advisory committee

Prof. Yi Qian	Tsinghua University, China
Mr. Guanping Ren	Chinese Society for Environmental Sciences, China
Prof. Xiangping Yang	Beijing Drainage Group Co. LTD, China
Prof. Kyu-Hong Ahn	Korea Institute of Science and Technology, Korea
Prof. Hang-Sik Shin	KAIST (Emeritus), Korea
Prof. Deokjin Jahng	Korean Society on Water Environment, Myongji University, Korea
Prof. Shinichiro Ohgaki	The University of Tokyo (Emeritus), JWRC, Japan
Prof. Yoshimasa Watanabe	Hokkaido University (Emeritus), Chuo University
Prof. Hiroshi Tsuno	Kyoto University (Emeritus), Osaka Sangyo University

2.3 Scientific program committee

Prof. Xianghua Wen	Tsinghua University, China
Prof. Xiaochang Wang	Xi‘an University of Architecture and Technology, China
Prof. Qi Zhou	Tongji University, China
Prof. Xiaoyan Li	Hongkong University, China

Prof. Jiangyong Hu	National University of Singapore, Singapore
Dr. Young-june Choi	WRI, Seoul Metropolitan Government (SMG) , Korea
Prof. Jinyoung Jung	Yeungnam University, Korea
Prof. Yunho Lee	GIST, Korea
Dr. Ick-Hoon Choi	Korea Environment Corporation, Korea
Dr. Ilho Kim	KICT, Korea
Prof. Sadahiko Ito	Kyoto University, Japan
Prof. Masaki Takaoka	Kyoto University, Japan
Dr. Yutaka Suzuki	Public Works Research Institute, Japan
Dr. Naoki Ohkuma	Water Reuse Promotion Center, Japan

2.4 Organizing committee

Prof. Yuntao Guan	Tsinghua University, China
Prof. Shuming Liu	Tsinghua University, China
Prof. Yun Lu	Tsinghua University, China
Prof. Dongbin Wei	Research Center for Eco-Environmental Sciences, China

3 Themes and topics

The themes and topics of the Asian Symposium on Water Reuse—Theory and Technology, Ecological Health and Safety Evaluation, and Risk Management and Practice relating to water reuse.

4 Conference program

Conference Agenda（April 24, 2015）		
8:30-9:00	Onsite Registration	
Opening Ceremony Chair: Prof. Hong-Ying Hu, Tsinghua University, China		
9:00-9:10	Opening Address	Prof. Hong-Ying Hu, Tsinghua University, China
9:10-9:15	Opening Address	Chinese Society for Environmental Sciences, China
9:15-9:20	Opening Address	School of Environment, Tsinghua University,

		China
Section I Chair: Prof. Hiroaki Tanaka, Kyoto University, Japan		
9:20-09:55	Invited Presentation	Prof. Yi Qian, Tsinghua University, China
09:55-10:30	Invited Presentation	Dr. John Radcliffe, CSIRO, Australia
10:30-10:45	Tea Break	
Section II Chair: Prof. Seockheon Lee, KIST, Korea		
10:45-11:25	Invited Presentation	Prof. Jörg Drewes, Technische Universität München, Germany
11:25-12:00	Invited Presentation	Prof. Yu Liu, Nanyang Technological University, Singapore
12:00-12:10	Photos	
12:10-13:10	Lunch	
12:00-13:10	Poster	
Section III Chair: Prof. Sadahiko Ito, Kyoto University, Japan		
13:10-13:35	Presentation 1	Prof. Hiroaki Tanaka, Kyoto University, Japan
13:35-14:00	Presentation 2	Prof. Xiaochang Wang, Xi'an University of Architecture and Technology, China
14:00-14:25	Presentation 3	Prof. Yunho Lee, GIST, Korea
14:25-14:50	Presentation 4	Prof. Shin-ichi Nakao, Kogakuin University, Japan
14:50-15:15	Presentation 5	Prof. Jinyoung Jung, Yeungnam University, Korea
15:15-15:30	Tea Break	
Section IV Chair: Prof. Jinyoung Jung, Yeungnam University, Korea		
15:30-15:55	Presentation 6	Prof. Seockheon Lee, KIST, Korea
15:55-16:20	Presentation 7	Prof. Sadahiko Ito, Kyoto University, Japan
16:20-16:45	Presentation 8	Prof. Dongbin Wei, Chinese Academy of Sciences, China
16:45-17:10	Presentation 9	Dr. Young-june Choi, WRI/SMG, Korea
17:10-17:35	Presentation 10	Dr. Kuixiao Li, Beijing Drainage Group Co. LTD, China
Section V Chair: Prof. Xianghua Wen, Tsinghua University, China		
17:35-17:55	Free discussion and close	
18:30-20:30	Reception/Dinner	

*Invited presentation: 30 min presenration+5 min discussion

Regular presentation: 20 min presenration+5 min discussion

5 Key dates

Date	Details
April 6, 2015	Deadline for submitting posters and symposium materials (abstract)
April 23, 2015	Welcome dinner for speakers
April 24, 2015	Onsite registration and Conference
April 25, 2015	On-site visiting of Qinghe WWTP and close of the symposium

6 Registration

Please fill in the following details and send back to Dr. Guangxue Wu by **wu.guangxue@sz.tsinghua.edu.cn**.

Title	Prof/Dr/Mr/Ms
Last Name	
First Name	
Organization	
Country	
Address	
Contact phone	
Email	
April 23, 2015	Welcome dinner ONLY for speakers Yes √/No √
April 24, 2015	Lunch Yes √/No √ Banquet Yes √/No √
April 25, 2015	Site Visiting of Qinghe WWTP (9:00 am-12:00 am) Yes √/No √
Register Fee	Academics and students: None Company: 200 RMB/Person (China Yuan)
Any Requirements	

7 Information

7.1 Contact information

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Dr. Qianyuan Wu	0086-755-26036701	wu.qianyuan@sz.tsinghua.edu.cn

Add: L205B, Tsinghua Campus, The University Town, Shenzhen 518055, China

7.2 Venue

The ground floor Conference Room

School of Environment, Tsinghua University

Beijing 100084, China

7.3 Travelling Information

Beijing Capital International Airport locates in the northeast of Beijing. The distance from Beijing Capital International Airport to Tsinghua University is about 32 km. You can take a taxi, the airport shuttle bus, or subway to Tsinghua University and nearby hotels.

A. By Taxi

Takes about 40 minutes, with fare of around 120 CNY.

B. By Airport Shuttle Bus

Takes around 50 minutes and costs around 30-40 CNY. Take the Airport Bus to the "Zhong-guan-cun" terminal. From the terminal station, taking taxi with cost of around 20 CNY.

7.4 Hotel Information

You can check hotels close to Tsinghua University from websites for possible information:

http://www.tripadvisor.com http://www.booking.com

April is a busy season and please book your hotel as earlier as possible.

Appendix

Introduction of each organization

Tsinghua University, China

Tsinghua University was established in 1911. As one of China's most renowned universities, Tsinghua has become an important institution for fostering talent and scientific research. At present, the university has 14 schools and 56 departments. The University has now over 25,900 students, including 13,100 undergraduates and 12,800 graduate students. The educational philosophy of Tsinghua is to "train students with integrity." With the motto of "Self-Discipline and Social Commitment" and the spirit of "Actions Speak Louder than Words", Tsinghua University is dedicated to the well-being of Chinese society and to world development.

To promote the development of wastewater reuse and sustainable utilization of limited water resource, the water reuse research group in Tsinghua University takes its emphasis on developing water quality standards, new principles, new technologies, and new technics on wastewater reclamation and reuse system.

Korea Institute of Science and Technology, South Korea

Korea Institute of Science and Technology (KIST) was founded as the first S&T research institute of Korea in 1966 and since then, it has continually played a leading role in national development and set the standards to become the national think tank of science and technology. KIST has 7 research divisions and 32 research centers, 2 overseas centers and 5 global research laboratories in Germany, India, USA, France, and Italy. KIST is focusing on frontier and global-agenda research by concentrating on large-scale, long-term, and interdisciplinary R&D projects, thereby strengthening its role as a national research institute.

Center for water resource cycle (CWRC) in KIST conducts research to provide technological solutions for major environmental challenges involving both water quality and quantity of affected water resources. Main research areas in CWRC are water resource

management, process engineering for sustainable water cycle, application and implication of environmental nano-materials, and energy saving/harvesting environmental technology.

Kyoto University, Japan

Founded in June 1897, Kyoto University has a long history and enduring traditions. The main campus is located in the historic city of Kyoto, a center of traditional Japanese culture. Since its founding, the University has been dedicated to furthering higher education and fostering an atmosphere of free academic exchange. Graduates of the University play important roles in both national and international affairs, as key players in politics, industry, and society. At present, Kyoto University is comprised of 10 faculties, 18 graduate schools, 14 research institutes, 17 educational institutes and other establishments. Approximately 1,700 of the university's 23,000 students hail from overseas. With students from over 90 different countries and regions, the university's campuses boast a rich cultural diversity.

The research interests in the water reuse field of Kyoto University include evaluation and improvement of the environmental quality, and prevention and remediation of environmental pollution. Researches include the fate of environmental pollutants which are emitted due to a human activity and their effects toward the life of human being and aquatic ecosystem. In addition, the biological assay, the management technology of pollutants, and the establishment of recycle system of urban water are also the focuses.