The 3rd International Conference on

Sustainable Water Environment: Integrated Water Resources Management - New Steps



Date: October 24 (Wed) - 25 (Thur), 2007 ■ Place: Hotel Royton Sapporo, Japan http://www.daiwaresort.co.jp/english/index.html

Background

Since the Earth Summit held in 1992, there has been a growing consensus in the international community that the water resource management is an indispensable issue for the sustainable development. We are facing a serious water problem that is one of the most pressing issues in 21st century. An efficient water use including a recycling use is essential to maximize the limited water resource. ICSWE has twice taken place in Taiwan aiming to establish a forum for water environment experts to exchange experiences and information on sustainable water resource development practices around the world. Our ultimate goal is to achieve a sustainable water resource system through integrated urban water management.

Plenary Lectures >>>>>>



Dr. Peter A. Wilderer Director, Institute of Advanced Studies on Sustainability, European Academy of Sciences and Arts Professor Emeritus of Excellence, TUM, Germany



Dr. Norihito Tambo Professor Emeritus Hokkaido University and the Open University of Japan Hokkaido Historical Museum Japan



Dr. Hiroshi Kida Director, Research Center for Zoonosis Control Professor, Graduate School of Veterinary Medicine Hokkaido University.

Sessions >>>>>>

Maximizing urban fresh water resource availability



Prof. Pen Chi Chiang University,



Maryland Department

Dr. Ching Tzone Tien



Dr. Robert Summers



Prof. M.Gordon The Johns Hopkins



Mr. Shen-Hsien Chen Water Resources Agency, MOE, Taiwan



Mr. Fu-Tien Chen Taiwan Water Corporation. Taiwan

Maximizing urban water resource by reclamation and reuse



Prof. Say-Leong Ong National University of Singapore, Singapore



Dr. Glen Daigger CH2M Hill.



Prof. How Yong Ng National University of Singapore, Singapore



Prof. Shaw L. Yu University of Virginia, USA

3 Application of emerging technologies-membrane technology, environmental nano and bio technology



Prof. Suing-II Choi Korea University. (chair)



Prof. Yoshimasa Watanabe Hokkaido University Japan



Prof. Bruce Rittmann Arizona State University



Prof. Pedro Alvarez Rice University.



Prof. Jaeweon Cho Gwangju Institute of ence and Technology

Prof. Chin-Pao Huang

University of Delaware,



Prof. Seungkwan Hong Korea University,







Prof. E.E. Chang



Prof. Tsair-Fuh Lin National Cheng Kung University,



Prof. Rao Y. Surampalli U.S. Environmental Protection Agency,



Prof. Jiangyong Hu National University of Singapore, Singapore



PROGRAM

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	Day Wednesday 24 October		Day Z Thursday 25 October
8:00	Registration	9:00	Session 2 (continued from the day before)
9:00	Opening and Plenary Session	9:00 9:30	9
	Chair : Yoshimasa Watanabe With welcome Welcome from Pen Chi Chiang	10:00	for Water Reclamation How Yong No. Break (20 min)
	Norihito Tambo From Centralized World to Characterized Dimensions	10:20	10:20 Session 3: Application of emerging technologies; membrane technology, environmental nano and bio technology Chairs: S-I Choi and Y. Watanabe
	Break		
10:20	Peter A. Wilderer Measuring and Comparing Sustainability of Water Management Systems —A Critical Survey—	10:20 10:50	
11:00	Break	11:20	Jaeweon Cho The Antibacterial Activity of a Fullerene Water Suspension (nC ₆₀) Pedro Alvarez
11:10	Hiroshi Kida Ecology of Influenza Viruses in Nature, Birds and Humans	11:50	Lunch (70 min)
1:50		13:00	Session 3 (continued from the morning)
3:00	Session 1: Maximizing urban fresh water resource availability	13:00	Blending on Distribution Water Qualities Seungkwan Hong
13:00	Chairs: P. C. Chiang & C.T. Tien The Clean Water Act Reflections and Lessons	13:30	Applicability of Three Models on Nanomembrane Fouling by Organic Substances Suing-II Cho
13:30	M. Gordon Wolman Groundwater Discharge Permit Program and Water Quality Protection in Maryland, USA	14:00	Break (20 min)
14:00	Ching Tzone Tien The Future of Management and Protection of Water Resources in Maryland Robert M. Summers	14:20	Session 4: Environmental implications of emerging materials and chemicals Chairs: R. Surampalli & C.P. Huang
4:30	Break (20 min)	14:20	Nanomaterials: Applications and Implications
14:50	Development of Sustainable Water Resource Management Strategies for Kaoping River Basin Pen Chi Chiang	14:50	Rao Surampal Chemical Reduction of Perchlorate in Dilute Aqueous Solutions Chin-Pao Huang
15:20	Sustainable Development Strategies of Taiwan Water Corporation Fu-Tien Chen	15:20	Estrogenic Compounds and Their Fates in Water Reclamation System Jiangyong Hu
15:50	Diversified Water Resources Management Policy in Taiwan Shen-Hsien Chen	15:50	Break (20 min)
6:20	Break (20 min)	16:10	Modeling the Mass Balance of Two Cyanobacterial Odorants in Reservoirs Tsair-Fuh Lir
6:40	Session 2: Maximizing urban water resource by reclamation and reuse Chairs: G. Daigger & S-L Ong	16:40 17:10	Sustainable Approaches for Antibiotics in Municipal Sewage and Animal Agriculture Craig Adams Monitoring and Control of EDCs in Water Environment
16:40	Creation of Sustainable Water Resources by Water Reclamation and Reuse Glen T. Daigger	17:40	E. E. Chang Closing
17:10	Water Reclamation and Reuse — Sustainability through Advanced Technologies Say-Leong Ong		
7:40	Day 1 close		
8:30	Party		
Organized b Co-organize Sponsored b Supported b	based Society" (Project Leader: Prof. Yoshimasa Watanabe, Hokkaido Universied by Hokkaido University, Japan Foundation of Hokkaido River Disaster Prevention Research Center Sapporo International Communication Plaza Foundation	ty) Sen COI Grai Hok N13 Pho	itact: T. Kikuchi (Mrs.) ior Coordinator E Program Office (A3-57) duate School of Engineering kaido University 1 W8 Sapporo 060-8628, Japan ne: +81 11 706 7162 Language: English Registration: e-mail / tk@eng.hokudai.ac.jp fax / +81 11 706 7366