

The 4th IWA - ASPIRE Conference & Exhibition, Toward Sustainable Water Supply and Recycling Systems

2-6
Tokyo, Japan

October

2011

Website: www.aspire2011.org/

Submission	of	abstracts:	15	February	2011
Notification	of	acceptance:	31	March	2011

Submission of full papers: **15 June 2011**

The 21st century is called “the age of water.” Securing safe and sufficient water supplies and creating suitable water environment have become urgent issues worldwide. The Asia-Pacific region, also, needs to maintain and develop its sound water supply and water recycling systems with the increasing population and the accelerating urbanization.

Under these circumstances, holding an international conference on the subject of water in Tokyo, a global megacity and one of the political and economic centers in the Asia-Pacific region, should prove very meaningful, as Japan works toward fulfilling a leading role in realizing sustainable water supply and recycling systems.

The 4th IWA-ASPIRE Conference & Exhibition will be a platform where the participants share information and issues through discussions and exchanges, and a chance for all water-related sectors including governments, academics, utilities and industries to cooperate and contribute to the development of water supply and recycling systems.

Proposed Themes:

- New Vision, Governance and Regulation
- Drinking Water Treatment
- Environmental Issue and Sustainability
- Water Distribution and Supply
- Wastewater Treatment
- Environmental Sanitation and Health Related Issues
- Risk Management
- Sewage and Industrial Wastewater Collection, Treatment and Management
- Small Scale Treatment Systems
- Finance and Efficient Management
- Education, Training and Capacity Building
- Water Reuse, Rainwater Harvesting
- Water Quality Monitoring and Modeling
- Customer Service / Communication
- Improvement of Revenue Water Ratio (Non Revenue Water, Leakage Prevention)
- Water Resource Management and Protection

- Watershed Management and Eutrophication
- Maintenance and Renewal of Facilities
- Wetland Systems
- Sludge Management and Resources Recovery
- Water Quality Management
- Instrumentation and Operation

Paper Submission

Key Dates

Abstract Submission Open : Early October, 2010

Abstract Submission Deadline : February 15, 2011

Authors notified of acceptance : March 31, 2011

Full paper submission deadline : **June 15, 2011**

Early bird registration deadline : **June 30 July 31, 2011**

Events Following Abstract Acceptance

- When contributors are notified of their tentative selection into the program, they will be notified of the type of presentation they will be invited to give (i.e. "oral" or "poster"). If you do not receive any letter from the Secretariat in 1 week after 31 March 2011, please contact the following Call for Paper Desk.
- For an oral presentation, please submit a full paper (eight A4 pages or shorter including all references, tables and figures) on or before the deadline (June 15, 2011).
- For a poster presentation, submission of a full paper is optional. Please submit a full paper, however, if the presenter wishes to publish the paper in IWA journals, etc.
- All the full papers accepted will be published on proceedings to all delegates who attend the conference other than the collection of abstracts.
- The official language of the conference is English.
No simultaneous interpretation service will be available.

15:30 - 17:00 Monday October 3		
17-1: Water Reuse, Rainwater Harvesting Membrane		Room : G407
Co-chairs	Chun Woo Baek (University of Western Australia, Australia) Yuzo Okamoto (METAWATER Co., Ltd., Japan)	
Time	Session Code	Title/Authors
15:30-15:45	17-1-1	Surface Modification Technology to Improve Rejection and Fouling Stability of Aromatic Polyamide RO Membranes in Waste Water Reclamation Takahiro Kawakatsu, Kunihiro Hayakawa Kurita Water Industries Ltd., Japan
15:45-16:00	17-1-2	Virus Removal for Energy-saving Sewage Reclamation System with UF Membrane Kentaro Kobayashi ¹ , Hironobu Suzuki ¹ , Hiroo Takabatake ¹ , Yuji Tanaka ¹ , Yoshinori Nishida ² , Lee SunTae ² , Naoyuki Yamashita ² , Hiroaki Tanaka ² ¹ Toray Industries, Inc., Japan, ² Kyoto University, Japan
16:00-16:15	17-1-3	Problems and Countermeasures in Water Reclaim System Using Membrane Separation Technology Nozomu Ikuno Kurita Water Industries, Japan
16:15-16:30	17-1-4	Chemical Treatments for Enhancing the Stability of RO Membrane Systems-Newly Developed Silica Scale Inhibitor - Ikuko Nishida, Tetsuya Aoki, Katsuro Yoda, Kenji Kowata, Katsumi Matsumoto, Kuniyuki Takahashi Kurita Water Industries Ltd., Japan
16:30-16:45	17-1-5	Prediction of Nanofiltration Membrane Performance in Separating High Salt for Ginger-processing Wastewater Reuse Chavalit Ratanatamskul, Walairat Uttamaprakom Chulalongkorn University, Thailand
16:45-17:00	17-1-6	Biofouling Control by a Natural Quorum Sensing Inhibitor in a Reverses Osmosis System Han-Shin Kim, Yong-Soo Kim, Taeseop Lee, Younggil Ju, Seungkwan Hong, Hee-Deung Park Korea University, Korea

15:30 - 17:30 Monday October 3		
11-2: Water Quality Management Non Point Source		Room : G408
Co-chairs	Hiroshi Hirotani (Osaka Kyoiku University, Japan) Hiroyuki Araki (Saga University, Japan)	
Time	Session Code	Title/Authors
15:30-15:45	11-2-1	Investigation of the Composition and Origin of Particulate Organic Matter in a Forested River Wenyan Li, Takaaki Numata, Sinya Kobayashi, Toshiro Yamada, Toshiyuki Otsuka, Fusheng Li, Kayako Hirooka Gifu University, Japan
15:45-16:00	11-2-2	Influence of Humic Substances and Nitrogen on Mixed Phytoplankton Population Asha Lokuhewage Sun Danuku International Co., Ltd, Japan
16:00-16:15	11-2-3	Prioritizing Residual Pharmaceuticals in Water Sources and Drinking Water in Japan Dai Simazaki ¹ , Satoshi Hiramatsu ² , Jun Fujiwara ³ , Michihiro Akiba ¹ ¹ National Institute of Public Health, Japan, ² Nara Prefectural Waterworks, Japan, ³ Hanshin Water Supply Authority, Japan
16:15-16:30	11-2-4	Toxicity Characterization of Road Dust Using Whole Sediment Toxicity Identification Evaluation Procedures with a Benthic Ostracod Haruna Watanabe, Fumiyuki Nakajima, Ikuro Kasuga, Hiroaki Furumai The University of Tokyo, Japan
16:30-16:45	11-2-5	Influence of Organic Matter in Road Deposited Particulate Matter on Heavy Metal Accumulation and Transport Chandima Gunawrdana, Ashantha Goonetilleke, Prasanna Egodawatta, Les Dawes Queensland University of Technology, Australia
16:45-17:00	11-2-6	Application of Load Duration Curve for Evaluating an Implementation Survey at TMDL Unit Watershed in Korea Ha-Sun Hwang ¹ , Bae-Kyung Park ¹ , Yong-Seok Kim ¹ , Ki-Jung Park ¹ , Se Uk Cheon ¹ , Kwang-Wook Jung ² ¹ National Institute of Environmental Research, Korea, ² Korea Water Environment Research Institute(KWERI), Korea
17:00-17:15	11-2-7	Spatio-Temporal Analysis of Water Quality Inan Urban Waterway Using GIS:Case Study of Estero de Valencia, Manila, Philippines Danet Hak ¹ , Ariel Blanco ¹ , Ricajay Dimalibot ² , John Dill Macapagal ¹ , Edgardo Macatulad ¹ , Merliza Bonga ² ¹ University of the Philippines, Philippines, ² Pasig River Rehabilitation Commission, Philippines
17:15-17:30	11-2-8	Geographic Information System Applied to the Water Quality Assessment of Ayutthaya Province, Thailand Duangruedee Supatimusro ¹ , Nathaporn Areerachakul ² , Laszlo Erdei ³ ¹ Rajamangala University of Technology, Thailand, ² Suan Sunandha Rajhabhat University, Thailand, ³ University of Southern Queensland, Australia

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