

The Third International Symposium on Southeast Asian Water Environment Program

6th December: 1st Day

AIT: Conference Center: Main Hall	
15:00 - 16:00	Participants' Registration
16:00 - 17:00	<p>Opening Session (15 min): Moderator: Hiroyuki Katayama (The University of Tokyo) Said Irandoust (President) (Asian Institute of Technology) Shinichiro Ohgaki (Chairman) (The University of Tokyo) Chongrak Polprasert (Co-chair) (Asian Institute of Technology)</p> <p>Keynote Speech (45 min) "Current and Future Status of Bio-remediation Technologies to Clean up Groundwater and Soil Contaminated with Hazardous Chemicals" Osami Yagi (The University of Tokyo)</p>
AIT Conference Center: Foyer	
17:00 - 18:30	Poster Session
18:30 - 20:00	Welcome Dinner

7th December: 2nd Day

	AIT Conference Center: Room A	AIT Conference Center: Room B	AIT Conference Center: Room C
9:00 - 10:30	Strategies for Water Environment (each presentation 20min. + Q&A 10min.)	(No session)	Research Revolution 2002 session
10:30 - 11:00	Break		
11:00 - 12:30	Ecosystem and Mitigation (each presentation 20min. + Q&A 10min.)	(No session)	Research Revolution 2002 session
12:30 - 13:30	Lunch Break		
13:30 - 17:30	<p>Special Session I (Univ. of Yamanashi, COE)</p> <p>Integrated River Basin Management in Asia-Monsoon Region (each presentation 15min. + Q&A 5min.)</p>	<p>Special Session II (The Univ. of Tokyo COE)</p> <p>Strategic Water Environment Management in Bangkok Region (Presentations and Panel discussion)</p>	Research Revolution 2002 session
18:00 -	Symposium Gala Dinner		

8th December: 3rd Day

	AIT Conference Center: Room A	AIT Conference Center: Room B
8:30 - 10:00	Water/Wastewater Treatment (each presentation 20min. + Q&A 10min.)	Groundwater Issues (each presentation 20min. + Q&A 10min.)
10:00 - 10:30	Break	
10:30 - 12:30	Water Quality Monitoring (each presentation 20min. + Q&A 10min.)	Pathogenic Contamination and Health-related Microbiology (each presentation 20min. + Q&A 10min.)
12:30 - 13:30	Farewell Lunch	

Symposium Program

DAY1: 6th December

Opening Session. 16:00 - 17:00

----- AIT Conference Main hall -----

Moderator: Hiroyuki Katayama

- 16:00 – 16:15 Opening Address
- Said Irandoust (President) (Asian Institute of Technology)
- Shinichiro Ohgaki (Co-Chair person) (The University of Tokyo)
- Chongrak Polprasert (Co-Chair person) (Asian Institute of Technology)
- 16:15 – 17:00 Keynote Speech
- “Current and Future Status of Bio-remediation Technologies to Clean up Groundwater and Soil Contaminated with Hazardous Chemicals”
- Osami Yagi (The University of Tokyo)

Poster Session. 17:00 - 18:30

----- AIT Conference Foyer -----

- 17:00 – 18:30 Poster session

DAY2: 7th December

Session I. 9:00 - 10:30

----- AIT Conference Room A -----

Session title: Strategies for Water Environment
Chair person: Shigeo Fujii
(Presentation 20 min. + Q&A 10 min.)

- 9:00 – 9:30 Water Environment Conservation for Improved Livelihood in the Mekong Delta, Vietnam.
Trieu, T.T., ○Tuan, L.A., Kakonen, M., Keskinen, M. and Toan, L.D.
- 9:30 – 10:00 A Preliminary Assessment of Pollutant Load per Capita Flowing into Public Water Body: A Comparative Study Between Several River Basins in Japan and Coastal Areas in other Countries.
○Tsuzuki, Y.
- 10:00 – 10:30 Adaptation of Rice Farming to the Changes in Water Regime due to Dikes and Sluice Gates Built Against Salinity Intrusion in Mekong Delta.
○Aizawa, M., Chi, M.T.T., Thanh, N.K., Hao, N.V., Can, N.D., Kurokura, H. and Kobayashi, K.

----- AIT Conference Room B -----

(NO session allocated)

----- AIT Conference Room C -----

Session title: Research Revolution 2002 session
See another document for details

Session II. 11:00 – 12:30

----- AIT Conference Room A -----

Session title: Ecosystem and Mitigation
Chair person: Oleg, V. Shipin
(Presentation 20 min. + Q&A 10 min.)

- 11:00 – 11:30 Importance of Microhabitats for Benthic Faunal Production in Intertidal Mangrove Forests.
○Kon, K., Kurokura, H. and Ogawa, H.
- 11:30 – 12:00 Population Viability Analysis of the Bronze Featherback *Notopterus notopterus* in Cambodia.
○Takagi, A., Ishikawa, S., Nao, T., Hort, S., Nakatani, M., Nishida, M. and Kurokura, H.
- 12:00 – 12:30 Holistic Approach to Mitigation of Pollutational Impacts in the Coastal Ecosystem Incorporating Conventional and Remote Sensing Techniques.
○Nanda, S. Siddiqui, Z., Shipin, O.V., Tripathi, N.K. and Borin, M.

----- AIT Conference Room B -----

(NO session allocated)

----- AIT Conference Room C -----

Session title: Research Revolution 2002 session

See another document for details

Session III. 13:30 – 17:30 (Special Sessions)

----- AIT Conference Room A -----

Session title: Integrated River Basin Management in Asian-Monsoon Region

Chair person: Futaba Kazama

(Presentation 15 min. + Q&A 5 min.)

- 13:30 – 13:35 Introduction to the Special Session
- 13:35 – 14:05 Keynote Speech
“Groundwater Resources Management: Policy and Social Implications”
Prof. Das Gupta, A. (Asian Institute of Technology)
- 14:05 – 14:25 Application of Distributed Hydrological Model YHyM to Large River Basins in Southeast Asia.
○Ishidaira, H., Takeuchi, K., Magome, J., Hapuarachchi, P. and Zhou, M.
- 14:25 – 14:45 Material Transport and Water Quality Model for Quantifying Organic Matter and Nutrient Transport to the Mekong Delta.
○Yoshimura, C., Magome, J., Ishidaira, H and Takeuchi, K.
- 14:45 – 15:05 Development of Landuse Export Coefficients for the Modelling of Non Point Source Pollutant Loads in Fuji River Basin, Japan.
○Shrestha, S. and Kazama, F
- 15:05 – 15:25 Optical Model for Remote Sensing in Turbid Waters Based on the Ship Observations Conducted in the Upper Gulf of Thailand.
○Kobayashi, H., Toratani, M., Fukushima, H., Matsumura, S. and Siripong, A.
- 15:25 – 15:45 Coffee Break
- 15:45 – 16:05 Faecal Indicator Bacteria in a Headwater Catchment: Does it Behave Like Particle?
○Nishida, K., Haga, H., Fujita, M. and Sakamoto, Y.
- 16:05 – 16:25 Tracing Nitrate Transport in the Ground-water Aquifers Using Isotope Techniques – A Case Study in the Western Kofu Basin, Japan.
○Nakamura, T., Shrestha, S., Satake, H. and Kazama, F.
- 16:25 – 16:45 Evaluation of Water Pollution by Morphological Changes of Liver Peroxisomes in Fresh Water Animals: A Case of the Crayfish Hepatopancreatic Peroxisomes.
○Yokota, S. and Haraguchi, C.M.
- 16:45 – 17:05 Removal of freshwater nitrogen using single reactor with immobilized biomass
○Pathak, B.K., Sumino, T., Saiki, Y and Kazama, F.

- 17:05 – 17:30 Closing Remarks
“Where to go from here on integrated river basin management in Monsoon Asia?”
Prof. Takeuchi, K. (University of Yamanashi)

----- AIT Conference Room B -----

Session title: Strategic Water Environment Management in Bangkok Region by the 21st century Center of Excellence (COE) program on Sustainable Urban Regeneration
(Presentation 20 min. + Q&A 10 min.)

- 13:30 – 13:35 Introduction to the Special Session
- 13:35 – 14:00 Life Cycle Assessment of Wastewater Treatment System in Bangkok City.
○Kooattatep, T. and Chaosakul, T.
- 14:00 – 14:25 Development of an Integrated Decentralized Sanitation System Using Aerobic Membrane Bioreactor.
○Montalbo, M., Samarakoon, S.M.S.M.K., Visvanathan, C., Fukushi, K. and Yamamoto, K.
- 14:25 – 14:50 Simultaneous Removal of Dissolved Organic Carbon and Anionic Pollutants by Pilot-scale Nanofiltration System.
○Ratanakamskul, C. and Patisuntorn, P.
- 14:50 – 15:15 Monitoring Microbial Diversities and Communities in Wastewater Treatment Systems by Using Nucleic Acid-based Techniques.
○Cheypratub, P., Teekayuttasakul, P., Pokasoowan, C. and Annachhatre, A.
- 15:15 – 15:45 Coffee Break
- 15:45– 17:30 Short Presentations and Panel Discussion
Theme “Strategic Water Management for Sustainable Urban Development”

Coordinator: Prof. Kazuo Yamamoto

Presenters: Dr. Toshiya Aramaki
Dr. Tassanee Chetwittayachan
Prof. Yordphol Tanaboriboon
Dr. Nopanant Tapananont

----- AIT Conference Room C -----

Session title: Research Revolution 2002 session
See another document for details

DAY3: 8th December

Session IV. 8:30 - 10:00

----- AIT Conference Room A -----

Session title: Water/Wastewater Treatment
Chair person: Thamarrat Koottatep
(Presentation 20 min. + Q&A 10 min.)

- 8:30 – 9:00 Performance Evaluation of Free Water Surface Constructed Wetlands at High Cadmium Loading.
○Pimpan, P. and Jindal, R.
- 9:00 – 9:30 Minimization and Stabilisation of Leachate through Internal Storage and Recirculation Operation in Tropical Landfill.
○Chiemchaisri, C., Chiemchaisri, W. and Traenkler, J.
- 9:30 – 10:00 Effect of Water Content and Loading on the Treatment of Waste Metal Working Fluids by Thermophilic Contact Oxidization Process.
○Xing, F., Kurisu, F. And Yagi, O.

----- AIT Conference Room B -----

Session title: Groundwater Issues
Chair person: Hideshige Takada
(Presentation 20 min. + Q&A 10 min.)

- 8:30 – 9:00 Risk Mapping of Groundwater Nitrate-Nitrogen under Intensive Cropping Systems in the Philippines.
○Pascual, C.M., Baga, M.C.S. and Valencia, D.P.
- 9:00 – 9:30 Groundwater Shortage in Aquifer of Dhaka City and Land Subsidence: A Major Concern in Potable Water Supply in Dhaka Metropolis 2030.
○Yusuf, M.A., Takizawa, S. and Katayama, H.
- 9:30 – 10:00 Groundwater Bacteriological Contamination in Bandung Basin.
Wangsaatmaja, S., Dhany, A. and ○Rafika, D.

Session V. 10:30 - 12:30

----- AIT Conference Room A -----

Session title: Water Quality Monitoring
Chair person: Preeda Parkpian
(Presentation 20 min. + Q&A 10 min.)

- 10:30 – 11:00 The influence of Dam Constructions for Water Quality Improvements of Polluted Streams in Java and Bali Islands.
○Irianto, E., Yuasa, A., Bachbub, B. and Sudjono, P.

- 11:00 – 11:30 Comparisons of Reactivity and Sensitivity of DOM Fractions to Form THMFP in Raw Water Supply and in Treated Wastewater Used for Reclaimed Water of the Northern-Region Industrial Estate, Thailand.
○Janhom, T., Mushikavong, C., Wattanachira, S. and Furumai, H.
- 11:30 – 12:00 The Recent Study on Water Quality of the Hypereutrophic and Silted up Tropical Lakes: Semayang and Melintang, East of Kalimantan.
Sunanisari, S., Fakhrudin, M. and ○Awalina, S.
- 12:00 – 12:30 International Pellet Watch: Global Monitoring of Persistent Organic Pollutants (POPs) Using Beached Plastic Resin Pellets.
○Takada, H., Mato, Y., Endo, S. And Zakaria, M.P.

----- AIT Conference Room B -----

Session title: Pathogenic Contamination and Health-related Microbiology

Chair: Futaba Kazama

(Presentation 20 min. + Q&A 10 min.)

- 10:30 – 11:00 A Study on Coliform Removal in Activated Sludge Plants Operating in India.
○Kazmi, A.A., Tyagi, V.K. and Kumar, A.
- 11:00 – 11:30 Assessment of Environmental Health Risks During Monsoon in Nepal.
○Khatiwada, N.R. and Rimal, S.K.
- 11:30 – 12:00 Relief of Inhibitors for the PCR Based Monitoring of Occurrence and Fate of Cryptosporidium in Wastewater and Surface Water.
○Anceno, A.J., Shipin, O., Chuluun, B. and Katayama, H.
- 12:00 – 12:30 Watershed-Level Assessment of Fecal-Coliform Source Loads.
○Wu, J. S., Wang, Z. and Xiang, W.N.