

The 4th International Symposium on the East Asian Environmental Problems

Time Table

13th September Monday

10:40-12:00	Room No.	Session 1	Aqueous Environment and Hydrology Chair : Prof. Jianhua LI, Tongji University, China
1-1	410	Distribution Characteristics and Environmental Assessment of Heavy Metals in Sediment from Middle-lower Reaches in East Tiaoxi River Liangliang HUANG, Jianhua LI, Zhongqiu JING, Ke JIANG, Tongji University, China	
1-2		Phosphorus Recovery from Sewage Sludge with Heating Method Mingyang ZHANG, Takahiro KUBA, Aimin HAO, Yuxian LIU , Kyushu University, Japan	
1-3		Distribution and Relationships of Phosphorus Fractions & Bioavailable Phosphorus Forms in Sediments of Middle-lower Reach of East Tiaoxi River Limin ZOU, Jianhua LI, Jiliang SUN, Zhongqiu JING, Tongji University, China	
1-4		A Study of Heat and Water Vapor Fluxes Characteristics Observed by Eddy Covariance Method in Heihe River Basin Zhihui ZHANG, Weizhen WANG (Chinese Academy of Science), Ziwei XU (Beijing Normal University), China	
10:40-12:00	Room No.	Session 2	Urban Environment Chair : Dr. Le Thi Hong Tran, Ho Chi Minh City of University Technology, Vietnam
2-1	1002	ISO 14001 Environmental Management System for Universities: A Case Study at HO CHI MINH CITY University of Technology in Vietnam Tran Thi Tuong Van, Le Thi Hong Tran, Ho Chi Minh City University of Technology, Viet Nam	
2-2		Accumulation Effects of Lipid in Single-Phase Anaerobic Digestion for Food Waste Xuya PENG, Chuanxing JIA, Xiaofeng LI, Yuanyuan HUANG, Lu WANG, Junhua HONG, Yucui DI, Chongqing University, China	
2-3		Composition and Spectroscopic Characteristics of Humic Substances in a Landfill Xiaoli CHAI, Guixiang LIU, Xin ZHAO, Tongji University, China	
2-4		Abiotic Association of PAEs with Humic Substances and Its Influence on the Fate of PAEs in Landfill Leachate Xiaoli CHAI (Tongji Univ.), Rong JI, Jun WU (Nanjing Univ.), Huanhuan TONG, Youcai ZHAO (Tongji Univ.), China	
13:30-15:30	Room No.	Session 3	Food Risk and Assessment Chair : Prof. Teruaki NANSEKI, Kyushu University, Japan Prof. Min SONG, Chinese Academy of Agricultural Sciences, China
3-1	410	Study on Animal Manure Management Evaluation of Waste Treatments and Recycle Technology Jimin WANG, Institute of Agricultural Economics and Development Chinese Academy of Agricultural Science, China	
3-2		Export Promotion Function of CHINAGAP Certification: Evidence from Companies in Shanghai Tinggui CHEN, Linsheng CHEN, Shanghai Ocean University, China	

Food Safety and Agricultural Risk Management

3-3 Teruaki NANSEKI, Hui ZHOU (Kyushu Univ.), Min SONG (Chinese Academy of Agricultural Sciences), Yinchu ZENG (Renmin Univ.), Japan & China

Metabolomic Techniques for Environmental Studies

3-4 Hiroyuki WARIISHI, Siribhorn Madla, Kyushu University, Japan

Decoupling of Grain Production from Land Resources in China: Land Use is Reduced but Fertilizer and Water Use is Intensified

3-5 Fawen YU, Rural Development Institute, Chinese Academy of Social Sciences, China

13:30-15:30 Room No. Session 4 Urban Environment
1002 Chair : Associate Prof. Hirofumi NAKAYAMA, Kyushu University, Japan

Effects of Vegetation on CH₄ Emissions from Landfills as a Pathway of CH₄ Migration

4-1 Hirofumi NAKAYAMA, Takayuki SHIMAOKA, Mayu TAKAHASHI (Kyushu Univ.), Xiaoli CHAI, Youcai ZHAO (Tongji Univ.), Japan & China

Co-Oxidation of Methane by Aged Refuse: A New Way for Natural Mitigation of Methane in Refuse Landfill

4-2 Dan HAN, Youcai ZHAO, Li WANG, Xiaoli CHAI, Tongji University, China

Study on Carbon Dioxide Removal from Simulated Flue Gas by Microalgae in a Photobioreactor

4-3 Zhao XIN, Guixiang LIU, Xiaoli CHAI, Tongji University, China

Examination on Influence Caused by Air Injection Manners Changing in Aerobic-Anaerobic Landfill Method

4-4 Gangzhen JIAO, Takayuki SHIMAOKA, Teppei KOMIYA, Xiong SHI, Kyushu University, Japan

15:40-17:40 Room No. Session 5 Desertification Prevention
410 Chair : Prof. Kyoichi OTSUKI, Kyushu University, Japan

Shanghuang Experiences and the Concerning the Agricultural Development Strategy of South Ningxia Hilly Region

5-1 Yongqing MA, Northwest A& F University, China

An Indication of Dryland Change in China for the Period 2001–2008

5-2 Jaeil CHO, Kyoichi OTSUKI, Kyushu University, Japan

Soil Wetness-Normalized Electrical Conductivity and ION Concentrations of an IN SITU Soil Solution Obtained from their Measurements of the Soil-Water Extracts

5-3 Tetsuo KOBAYASHI (SPA & Water Press), Daisuke YASUTAKE (Kochi Univ.), Hiroyuki CHO (Saga Univ.), Masaharu KITANO (Kyushu Univ.), Weizhen WANG (CAREERI), Japan & China

A Study of the Variations in Soil Moisture and Salinity of a Saline Cultivated Field in the Upper Reaches of the Yellow River

5-4 Yueru WU, Weizhen WANG (Chinese Academy of Science), Tetsuro KOBAYASHI (SPA & Water Press), Zhihui ZHANG (Chinese Academy of Science), Japan & China

Salt Accumulation in Soil Affected by Evapotranspiration and Selective ION Absorption of Different Species of Plant

5-5 EBIHARA, K., KITANO, M., TAKATA, M., SAKAMOTO, D., SAGO, Y., KOBAYASHI, T.(Kyushu Univ.), YASUTAKE, D.(Kochi Univ.), ARAKI, T.(Ehime Univ.), CHO, H.(Saga Univ.), WANG, W.(Cold and Arid Regions Environmental and Engineering Institute), Japan & China

Surveys of the Saline Water Seeping Out from the Gully Bottom of an Irrigated Terrace (the Loess Plateau) in the Yellow River Basin, China

5-6 Makito MORI, Daisuke YASUTAKE (Kochi Univ.), Tetsuo KOBAYASHI (SPA & Water Press), Weizhen WANG, Yueru WU, (CAREERI), Masaharu KITANO (Kyushu Univ.), Japan & China

15:40-
17:40

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Session 6

Aqueous Environment and Hydrology

Chair : Prof. Zhenjia ZHANG, Shanghai Jiao Tong University, China

Temporal and Spatial Variation of Phytoplankton and Water Quality Assessment in The East Tiaoxi River

6-1 Jianhua LI, Liangliang HUANG, Yuan DING (Tongji Univ.), Yukihiro SHIMATANI (Kyushu Univ.), Japan & China

Present Condition of Freshwater Fish Assemblage and Related Environmental Factors in the East-Tiaoxi River, China

6-2 Tatsuro Sato, Yuichi Kano (Kyushu Univ.), Liangliang Huang, Jianhua Li (Tongji Univ.), Yukihiro Shimatani (Kyushu Univ.), Japan & China

Economic Valuation of Ecosystem Service Sustained by Qinhuai River in Nanjing

6-3 Yuxian Liu (Kyushu Univ.), Yaping Ye (Hohai Univ.), Takahiro Kuba, Aimin Hao (Kyushu Univ.), Japan & China

Interaction of Biota and Water Environment in Lake Taihu

6-4 Aimin HAO (Kyushu Univ.), Yasushi ISERI (West Japan Engineering Consultants), Yuxian LIU, Mingyang ZHANG (Kyushu Univ.), Zhenjia ZHANG (Shanghai Jiao Tong Univ.), Takahiro KUBA (Kyushu Univ.), Japan & China

Control of Freshwater Cyanobacterial Bloom Using Eco-Engineering Methods

6-5 Yasushi ISERI (West Japan Engineering Consultants), Takahiro KUBA, Aimin HAO, Yuxian LIU, Mingyang ZHANG (Kyushu Univ.), Zhenjia ZHANG (Shanghai Jiao Tong Univ.), Japan & China

14th September Tuesday

9:00-10:20	Room No. 410	Session 7	Atmospheric Environment Chair : Prof. Tetsuro ESAKI, Kyushu University, Japan
7-1	Development of Environmental Flow Simulation Code for GPU Computing Fei JIANG, Changhong HU, Kyushu University, Japan		
7-2	Challenge to Huge Computation of Airflow around Urban Area by Using RIAM-COMPACT[®] CFD Model Takanori UCHIDA, Yuji OHYA, Kyushu University, Japan		
7-3	Wake Structure Behind Wind Turbine Generator in Turbulent Boundary Layer Hirotaaka HANO, Takanori UCHIDA, Yuji OHYA, Kyushu University, Japan		
7-4	Numerical Simulation of Vertical Axis Wind Turbine with Discrete Vortex Method Kangping LIAO, Changhong HU (Kyushu Univ.), Wenyang DUAN, Liang ZHANG (Harbin Univ.), Japan & China		
9:00-10:20	Room No. 1002	Session 8	Environmental Planning and Management Chair : Associate Prof. Nobuhiro HORII, Kyushu University, Japan
8-1	China's SO₂ Emission Reduction: Analysis on Factors Influencing for FGDs' Rapid Diffusion and Japan's Needed Change of Strategy for Business in China's Environmental Protection Field. Nobuhiro HORII, Kyushu University, Japan		
8-2	Energy Conservation Policy and ESCo Business in China Prof. Zhiyu TIAN, Energy Research Institute of National Development and Reform Commission, China		
8-3	Wind power industry development in China Prof. Xiliang ZHANG, Institute of Energy, Environment and Economy, Tsinghua University, China		
10:30-11:50	Room No. 410	Session 9	Atmospheric Environment Chair : Associate Prof. Changhong HU, Kyushu University, Japan
9-1	Numerical Simulation of Wind Flow over Complex Terrain in Curvilinear Grid System Zhongyang HE, Mengxuan SONG, Xing ZHANG, Jun WANG, Tsinghua University, China		
9-2	Developing the Software for Wind Turbine Micro-Siting with CFD Simulations Mengxuan SONG, Kai CHEN, Xing ZHANG, Jun WANG, Tsinghua University, China		
9-3	Bionic Optimization for Micro-Siting of Wind Farm Kai CHEN, Mengxuan SONG, Xing ZHANG, Jun WANG, Tsinghua University, China		

9-4

Large Eddy Simulation of Wind Farm

Bingheng WU, Mengxuan SONG, Xing ZHANG, Jun WANG, Tsinghua University, China

10:30-
11:50

Room No.
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Session 10

Urban Environment

Chair : Prof. Youcai ZHAO, Tongji University, China

10-1

Rational Design of Leachate Collection Pipe in Semi-Aerobic Landfill by Numerical Simulation

Xiong SHI, Takayuki SHIMAOKA, Teppei KOMIYA, Gangzhen JIAO, Kyushu University, Japan

10-2

Weathering of MSWI Bottom Ash with Emphasis on the Evolution of Iron-Rich Constituents

Yunmei WEI, Takayuki SHIMAOKA, Amirhomayoun SAFFARZADEH, Fumitake TAKAHASHI, Kyushu University, Japan

10-3

Numerical Simulation of Chlorine Removal through the Conversion of Friedel's Salt in the Mixture of Municipal Solid Waste Incineration Bottom Ash and Organic Compounds

Takayuki SHIMAOKA, Asuka MORITA, Fumitake TAKAHASHI, Teppie KOMIYA, Kyushu University, Japan

10-4

The Solubility and Chemical Conversions of Lead Species in Insoluble Residues of Municipal Solid Waste Incineration Fly Ash during pH-Dependent Leaching Test

Fumitake TAKAHASHI, Takuma KANOU, Takayuki SHIMAOKA, Kyushu University, Japan