

International Workshop on Urban Wetland
Ecology and Restoration
Xiamen, China
December 12-15, 2008



Program
&
Abstract



Committee of the Workshop

Chair:

Dr. YU, Shen
Professor
Institute of Urban Environment
Chinese Academy of Sciences

Dr. ROBSON, G. Mark
Professor
Director of
New Jersey Agricultural Experiment Station
Dean of
Agricultural Programs
School of Environmental and Biological Sciences
Rutgers, The State University of New Jersey

Committee member:

Dr. EHRENFELD, David (Rutgers University)
Dr. EHRENFELD, Joan (Rutgers University)
Dr. GIMÉNEZ, Daniel (Rutgers University)
Dr. HÄGGBLUM, Max (Rutgers University)
Dr. LIN, Guanghui (Xiamen University)
Dr. LIU, Hongyu (Nanjing Normal University)
Dr. VOR, Torsten (Georg-August-University Goettingen)
Dr. YIN, Chengqing (RCEES, CAS)
Dr. ZHU, Yongguan (IUE, CAS)

Secretariat:

Dr. LUO, Xiaosan
Dr. LI, Guilin
Dr. CAI, Cao

Program Agenda

Friday, December 12, 2008

Arrive in Xiamen, Fujian Province

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| All day | Registration –The Lobby of Mansion, IUE, CAS |
| 12:00 pm | Lunch--Buffet at Institute Cafeteria (the Second Floor) |
| 1:30 pm | |
| 6:30 pm | Dinner--Buffet at the Institute Cafeteria (the Second Floor) |
| 8:00 pm | |

Saturday, December 13, 2008

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| 7:30 am | Breakfast at the Institute Cafeteria (the Second Floor) |
| 8:30 am | |
| 8:30 am | Free time (or Introduction of the Institute) |
| 11:00 am | |
| 11:00 am | Lunch--Buffet at Institute Cafeteria (the Second Floor) |
| 11:30 am | |
| 11:30 am | Pre-workshop field trip (National Mangrove Wetland Park) |
| 6:00 pm | |
| 6:30 pm | Welcome Banquet at the Bailuzhou Restaurant |
| 8:00 pm | |

Sunday, December 14, 2008

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| 7:30am | Breakfast at the Institute Cafeteria (the Second Floor) |
| 8:30am | |
| Opening | Chair: <i>Dr. Shen Yu</i> |
| 9:00am | Welcome Speech: <i>Dr. Yongguan Zhu</i> |
| 9:15am | Guest Speech: <i>Dr. Mark Robson</i> |
| 9:15am | Photo-taking |
| 9:45am | |
| 9:45am | Break |
| 10:00am | |

International Workshop on Urban Wetland Ecology and Restoration

Session 1 Chairs: *Drs. Yongguan Zhu & Mark Robson*

- 10:00 am Wetlands in Urban Regions: Functions, Services and Values
10:30 am *Dr. EHRENFELD, Joan*
- 10:30 am Protection and Restoration for Multifunctional Urban Wetlands
11:00 am *Dr. YIN, Chengqing*
- 11:00 am Urban Wetlands: An Opportunity for Environmental Conservation in China
11:30 am *Dr. EHRENFELD, David*
- 11:30 am Restoring Wetlands for Water Cleanup in Urban Area--A Case Study of Surface Water Quality in Xixi National Wetland Park, Hangzhou, China
12:00 pm *Dr. YU, Shen*
- 12:00 pm Lunch--Buffet at Institute Cafeteria (the Second Floor)
1:30 pm

Session 2 Chairs: *Drs. Chengqing Yin & Joan Ehrenfeld*

- 1:30 pm Arsenic on the redox gradient: Arsenic dynamics in the rhizosphere of wetland plants
2:00 pm *Dr. ZHU, Yongguan*
- 2:00 pm Microbes to the Rescue: Bioremediation of Contaminated Sediments and Urban Wetlands
2:30 pm *Dr. HÄGGBLÖM, Max*
- 2:30 pm Conservation and Ecological Restoration in Mangrove Wetlands
3:00 pm *Dr. LIN, Guanghui*
- 3:00 pm Groundwater Level Dynamics across Temporal Scales for Urban and Rural Wetlands: A Wavelet - Multifractal model
3:30 pm *Dr. GIMÉNEZ, Daniel*
- 3:30 pm Break
3:45 pm

Session 3 Chairs: *Drs. Max Haggblom & Shen Yu*

- 3:45 pm Exotic Plant Species in Riparian Forests in Germany
4:15 pm *Dr. VOR, Torsten*
- 4:15 pm Evaluating Landscape Health for Urban Wetland Park
4:45 pm *Dr. LIU, Hongyu*
- 4:45 pm Bank Filtration: Old Method, New Choice?
5:15 pm *Dr. YU, Xin*

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- 5:15 pm On the Restoration of Coastal Wetland by Using Horseshoe Crabs as
Indicator Species in Xiamen
5:45 pm *Dr. CHEN, Chang-Po*
- 5:45 pm Performance of Domestic Wastewater Treatment by Different Types of
Constructed Wetlands and Its N₂O and CH₄ Emissions
6:15 pm *Dr. LIU, Chaoxiang*
- 6:30 pm Dinner--Buffet at the Institute Cafeteria (the Second Floor)
8:00 pm

Monday, December 15, 2008

- 7:30 am
8:30 am Breakfast at the Institute Cafeteria (the Second Floor)

Session 4 Chairs: Drs. Daniel Gimenez & Xin Yu

- 8:30 am Organochlorine Pesticide Residues in the Aquatic Food Web of the
Lower Chao Phraya River Basin, Central Thailand
8:50 am *Dr. SIRIWONG, Wattasit*
- 8:50 am Spatial Status and Retention Potential of Phosphorus in Riparian
Wetlands Located in South Region of Lake Tai Basin, China
9:10 am *Dr. ZHANG, Zhijian*
- 9:10 am Responses of four aquatic macrophytes to cadmium at environmental
levels: cadmium accumulation and phytochelatin production
9:30 am *Dr. SUN, Qin*
- 9:30 am Changes of Water Quality and PAHs and Heavy Metals in Sediment
under Urbanization---A Case Study in Xiamen, China
9:50 am *Dr. FENG, Sheng*
- 9:50 am Preliminary Analysis of Non-point Source Pollutant Contribution to Lake
Dian from a Suburban Catchment
10:10 am *Ms. YUAN, Xiaoyan*
- 10:10 am Break
10:25 am

Session 5 Chairs: Drs. Wattasit Siriwong & Chaoxiang Liu

- 10:25 am Nitrogen Mineralization, Availability, and Denitrification under the Three
Different Soil Moisture Conditions in Pure *Alnus japonica* Stands of
10:45 am Seoul, Korea
Dr. HEO, Su Jin
- 10:45 am The Changing Urban Wetlands and Its Effect on Wintering Black-headed
11:05 am Gull in Kunming City, Southwest China
Dr. Zhaolu Wu

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- 11:05 am Dynamics of Methanogenic Archaeal Community during Plant Residue
Decomposition in an Anoxic Rice Field Soil
11:25 am *Ms. PENG, Jingjing*
- 11:25 am Stormwater runoff pollution in a rural township, China
11:45 am *Dr. LUO, Zhuaxi*
- 11:45 am Toxicity of cadmium to saltwater plankton and the risk assessment of
aquatic exposure in coastal areas
12:05 pm *Dr. WANG, Zaosheng*
- 12:05 pm Lunch--Buffet at Institute Cafeteria (the Second Floor)
1:40 pm

Poster Session

- Ecological Function Districts and its Multi-functional Landscape
Protection in Lake Alike Wetland of Xinjiang
Dr. ZHOU, Huarong
- Evaluation of Natural and Anthropogenic Inputs of Heavy Metals and
Nutrients along south part of the Grand Canal, China
Mr. YU, Guangbin
- 2:00 pm
6:00 pm Soil Organic Carbon and Nitrogen Contents of Density Fractions and
Effect of Meadow Degradation to Soil Carbon and Nitrogen of Fractions
in Alpine Kobresia Meadow of Qinghai-Tibet Plateau
Dr. WANG, Wenying
- Reducible Oxides (Fe and Mn) and Aluminum Oxide in Partitioning
Phosphorus and Copper in Sediment along a Transect of Lake Tai, China
Mr. LIU, Yi
- 6:30 pm
8:00 pm Dinner--Buffet at the Institute Cafeteria (the Second Floor)

End of the Workshop

Tuesday, December 16, 2008

Post-workshop field trip

(bus ticket: US\$65.00, and hotel and meal paid by participants)

- 7:00 am
7:30 am Breakfast at the Institute Cafeteria (the Second Floor)
- 7:30 am Boarding on bus
- 11:30 am
12:00 pm *Spartina* invasion at the exit of Feiluan, Fujian province
- 12:30 pm
1:30 pm Lunch-Buffer in Meilun Hotel, Ningde, Fujian Province
- 3:00 pm
3:30 pm *Spartina* invasion at the exit of Yacheng, Fujian Province
- 6:00 pm Hotel and dinner in Wenzhou, Zhejiang Province

Wednesday, December 17, 2008

- 7:30 am
8:00 am Breakfast at the hotel cafeteria in Wenzhou, Zhejiang Province
- 8:00 am Boarding on bus
- 12:30 pm Hotel and lunch in Hangzhou, Zhejiang Province
- Afternoon DIY Sightseeing

Thursday, December 18, 2008

- 7:30 am
8:00 am Breakfast at the hotel cafeteria in Hangzhou, Zhejiang Province
- 8:30 am Boarding on bus
- 9:00 am
11:30 am Touring in the Xixi National Wetland Park, Hangzhou
- 11:30 am Boarding on bus back to hotel and free time

End of the Field Trip

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Chinese Academy of Sciences (CAS)
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Urban Wetland Ecology and Function”



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