

November 21, 2007

Room	Conference Room (CR3) – November 21, 2007
Time	
09:00 - 17:00	Conference registration
09:00 - 10:00	Poster setup and coffee break
10:00 - 10:20	Welcome and opening remarks
10:20 - 11:00	Keynote: Mitigation, Impacts, Adaptation and Vulnerability of Climate Change Problems: Where West meets East? by Dr. Malcolm Wilson
11:00 - 11:40	Keynote: Rapid Zonation on Sustainability and Interpretation in terms of Flood Hazard Distribution in China by Dr. Jinren Ni
11:40 - 12:20	Keynote: Desertification Trends and Impending Water Crises by Dr. Edward McBean
12:20 - 13:30	Luncheon
13:30 - 15:10	Climate Change Issue - Chair: Malcolm Wilson
13:30 - 14:05	Recent Development on CO2 Capture Technologies by Raphel Idem
14:05 - 14:40	CCS Series: World's 1st Modular CO2 Capture Units for CO2 Storage and EO by Lionel Kambeitz
14:40 - 15:10	Watershed management under changing climatic conditions by Gordon Huang
15:10 - 15:30	Coffee break
15:30 - 17:00	Climate Change Issue - Chair: Malcolm Wilson
15:30 - 16:05	Clean Coal Technology for Next Generation Power Plants by Nader Mahinpey
16:05 - 16:40	Future Generation of Hydrogen and Biofuel by Raphel Idem
16:40 - 17:00	Consumers' Preference for Small-lot GHG Emission Credits Attached to the Automobile Insurance by Yoshikuni Yoshida
18:30 - 21:30	Dinner at Siam Niramit (Extra ticket required)

Room	Meeting Room 1 (MR1) – November 21, 2007
Time	
09:00 - 17:00	Conference registration
13:30 - 15:10	General Topics - Session Chair: Jinren Ni
13:30 - 13:50	Monitoring Sparse Perennial Vegetation Cover over Australia using Sequences of Landsat Imagery by Jeremy F Wallace
13:50 - 14:10	A Layer-based Approach for Streamlining and Integrating Environmental Monitoring Data by Lienyao Lee
14:10 - 14:30	Performance Studies Of Hybrid Reactor For The Treatment Of Sago Wastewater by K.Gopalakrishna
14:30 - 14:50	Field Scale Mapping of Soil Salinity on Spatial Interpolation Techniques, Case Study: Khorat Basin, Nakhon Ratchasima Province, Thailand by Piyakarn Teartisup
14:50 - 15:10	Extraction Information of Environmental Changes from Satellite Image by Nang MyaMyaNwe
15:10 - 15:30	Coffee break
15:30 - 17:10	General Topics - Session Chair: Moe M.S. Cheung
15:30 - 15:50	Sorption Isotherms of New Types of Zeolites and Soils for Some Heavy Metals by May Thant Zin
15:50 - 16:10	Formation and Calculation of Hydroxyl Radical in the Optimal Photocatalytic Process using the Taguchi method by Chen-Yu Chang
16:10 - 16:30	Mitigation of Nitrogen Pollution in Water body by Incorporating the DHS (Down-Flow Hanging Sponge) Systems and Autotrophic Nitrogen Removal Technologies by Chuang Hui-Ping
16:30 - 16:50	Methodology for immune-based algorithm on solving minimum-cost problem of water distribution network by Chien-Wei Chu
18:30 - 21:30	Dinner at Siam Niramit (Extra ticket required)

Room	Meeting Room 2 (MR2) – November 21, 2007
Time	
09:00 - 17:00	Conference registration
13:30 - 15:10	General Topics - Session Chair: Yuefei Huang
13:30 - 13:50	Responding to an Oil Spill Disaster: Data Management Support for the Rehabilitation of Guimaras Island, Philippines by Evan Anthony V. Arias
13:50 - 14:10	Analysis of Transport Use by Providing Environmental Information by Katsuhito Nakazawa
14:10 - 14:30	Surveying the Jagorood river's self-purification by S.A.A. Sajadi
14:30 - 14:50	Forecasting of Damage Length of Maritime Structures Caused by Typhoons Based on Improved MWS Method by Ryusuke Hashimura
14:50 - 15:10	Software Design for Simulating Microbial Bioprocesses in Bioreactor by Nikhil
15:10 - 15:30	Coffee break
15:30 - 17:10	General Topics - Session Chair: Bin Chen
15:30 - 15:50	Selenium Induced Reduction of Pyrene Toxicity in Bacteria by N. Tejo Prakash
15:50 - 16:10	Innovative Design of Low Impact Development in Support of Green Building Initiative by Ammarin Makkeasorn
16:10 - 16:30	The Interval Linear Programming: A Revisit by Feng Zhou
16:30 - 16:50	Application of the Taguchi experimental design to the optimization of UV/TiO ₂ and UV/H ₂ O ₂ process for copper complexes treatment by Huey-Lih Shyu
18:30 - 21:30	Dinner at Siam Niramit (Extra ticket required)

November 22, 2007

Room	Conference Room 3 (CR3) – November 22, 2007
Time	
08:30 - 17:00	Conference Registration
08:30 - 10:10	Water Resource Management - Session Chair: Gordon Huang
08:30 - 09:00	Keynote: Ecological issues of water networks in China by Zhifeng Yang
09:00 - 09:30	Keynote: Sedimentation problems of the Three Gorge Project in China by Guangqian Wang
09:30 - 09:50	The influence of ecological restoration to freshwater marshlands vegetation and soil salt content in estuary by Xincheng Zhao
09:50 - 10:10	Hong Kong, the Pearl River Delta, and Resource Sustainability by 2030: An Opportunity for Technological Leadership by Moe M.S. Cheung
10:10 - 10:30	Coffee break
10:30 - 12:10	Water Resource Management - Session Chair: Zhifeng Yang
10:30 - 10:50	Impact of Chloride Concentrations on Surface Water Quality of Urban Watersheds Using Landsat Imagery by Faranak Amirjalali
10:50 - 11:10	Floodwater retention planning using GIS and hydrodynamic model: a case study for the Chi River Basin, Thailand by Chalermchai Pawattana
11:10 - 11:30	Study on the Conditionings of Water Treatment Plant Sludge by Xie Min
11:30 - 11:50	One-Dimensional Numerical Model for Unsteady-Flow in Large-Scale Conveyance Channel with Complex Inner Boundary Conditions by Cheng Zhang
11:50 - 12:10	Urban ecosystem health assessment for typical cities in China based on set by Meirong Su
12:10 - 13:30	Luncheon
13:30 - 15:10	Water Resource Management - Session Chair: Guangqian Wang
13:30 - 13:50	Classification and Codification Methods of Stream networks in a River Basin: A Review by L. Zhang
13:50 - 14:10	Landsat Derived Impervious Surface Area and Potential Water Quality Impacts: A Case Study in the GTA by Faranak Amirjalali
14:10 - 14:30	An Inexact Fuzzy Nonlinear Optimization Model for Supporting Decisions of River Water Quality Management by H.N. Xiao
14:30 - 14:50	Rule-based Expert System for Sensor Deployment in Drinking Water Systems for Rural Communities by Ammarin Makkeasorn
14:50 - 15:10	Theoretical framework of the urban river restoration planning by Yanwei Zhao
15:10 - 15:30	Coffee break
15:30 - 16:50	Water Resource Management - Session Chair: Changbo Jiang
15:30 - 15:50	Impact of tidal effects on water quality simulation of rivers running through urban area – a case study in northern Taiwan by Chihhao Fan
15:50 - 16:10	Interval stochastic linear programming model for optimal water pollution management by Kai Huang
16:10 - 16:30	GIS Application for Landslide Risk Area Assessment in Yom Watershed, Thailand by Sura Pattanakiat
16:30 - 16:50	Municipal Solid Waste Management under Uncertainty: An Interval-Fuzzy Two-Stage Stochastic Programming Approach by H.N. Xiao
18:30 - 21:30	Conference Banquet at Amari Watergate Hotel

Room	Meeting Room 1 (MR1) – November 22, 2007
Time	
08:30 - 17:00	Conference Registration
08:30 - 10:10	Climate Change Issues - Session Chair: Edward McBean
08:30 - 09:05	A comprehensive kinetic study on the absorption of carbon dioxide in various promising aqueous and non-aqueous amine solutions by Amr Henni
09:05 - 09:25	Determination of Landfill Operation Factors Affecting Leachate Characteristics in Tropical Climatic Conditions by Ruwini Weerasekara
09:25 - 09:45	Carbon Dioxide Absorption into MEA-Methanol Hybrid Solvent by P. Usubharatana
09:45 - 10:05	Acoustic Methods for Identification and Measurement of the Fluid-fluid Interface in Porous Medium for CO ₂ Sequestration by Raman Paranjape
10:10 - 10:30	Coffee break
10:30 - 12:10	Climate Change Issues - Session Chair: Jintana
10:30 - 10:50	Carbon Dioxide Emissions Control Policy under Uncertainties of the Probability and Impact of Abrupt Climate Change Event by Takano Kosugi
10:50 - 11:10	The evaluation of CO ₂ emission reduction in Japan utilizing the interregional repercussion model on the freight transportation by Yoshikuni Yoshida
11:10 - 11:30	Comparative analyses of sector-based approaches and national numerical targets as Post-Kyoto frameworks by Ryuji Matsushashi
11:30 - 11:50	Direct and Indirect Impacts of Households by Region of China on CO ₂ Emissions by Zheng Lu
11:50 - 12:10	Short-term Stream Flow Forecasting with the aid of Global Climate Change Indices by Ammarin Makkeasorn
12:10 - 13:30	Luncheon
13:30 - 15:10	Workshop on Informatics: Boon
13:30 - 14:10	AI Applications in Energy and Environment by Christine Chan
14:10 - 14:30	The Application model of Data-mining-based Intrusion Detection Technology by Guobin Li
14:30 - 14:50	Integration of Environmental Monitoring and Analyzing Software with an Internet based Alert and Presentation model. Case study: The Metropole Watch project in Bangkok, Thailand by Per Henrik Johansen
14:50 - 15:10	A Qualitative Decision Support for Environmental Impact Assessment Using Fuzzy Logic by Kevin Fong-Fey Lui
15:10 - 15:30	Coffee break
15:30 - 16:50	Workshop on Informatics: Raphael Idem
15:30 - 15:50	Research on the Intelligent Environment of Pervasive Computing by Guobin Li
15:50 - 16:10	Application of Web-GIS for Display and Integration of Water Quality Information by Wanyi Cheng, Lienyao Lee
16:10 - 16:30	Dominance-Based Rough Set for Tehran Seismic Vulnerability Assessment by Amiri, A. R.
16:30 - 17:00	A Decision Support System for Monitoring and Diagnosis of Carbon Dioxide Capture by Christine Chan (and discussion)
18:30 - 21:30	Conference Banquet at Amari Watergate Hotel

Room	Meeting Room 2 (MR2) – November 22, 2007
Time	
08:30 - 12:00	Conference Registration
08:30 - 10:10	General Topics - Session Chair: Huaicheng Guo
08:30 - 08:50	Selenium Accumulation and Se-Induced Anti-Oxidant Activity in <i>Allium cepa</i> by N. Tejo Prakash
08:50 - 09:10	Integrated Water Resources and Water Environment Management in Zhangweinan Canal Subbasin, China by Chunhui Li
09:10 - 09:30	Environmental Flows for the Critical Habitat in the Yangtze Estuary by Rui Zhao
09:30 - 09:50	Environment, Demand for Health and Economic Situation of Bhutan by Selvaraj M.
09:50 - 10:10	Process-orientated Hillslope Soil Erosion Model for the Loess Plateau, China by T.J. Li
10:10 - 10:30	Coffee break
10:30 - 12:10	General Topics - Session Chair: Pronnapa Sanogboon
10:30 - 10:50	Stepwise Cluster Analysis Methodology Study for Urban Nonpoint Source Pollution in Los Angeles by W.T. Liu
10:50 - 11:10	An interval-parameter two-stage stochastic chance-constrained integer programming model for inter-basin water resources management systems under uncertainty by Yuchao Han
11:10 - 11:30	An Integrated Risk Assessment and Intercity Comparison Model of PAHs in Ambient Air of Six Metropolitans in China by Ya-Juan Yu
11:30 - 11:50	Functional clustering of random curves by Tonio Di Battista, Tonino Sclocco, Stefano Antonio Gattone
11:50 - 12:10	Optimization of hidden nodes and training times in ANN-QSAR model by Gao Dawen
12:10 - 13:30	Luncheon
13:30 - 15:10	General Topics - Session Chair: Zifeng Yang
13:30 - 13:50	Municipal Solid Waste Management under Uncertainty: An Interval-Fuzzy Two-Stage Stochastic Programming Approach by H.N. Xiao
13:50 - 14:10	Semiconducting Gas Sensors, Remote Sensing Technique and Internet GIS for Air Pollution Monitoring in Residential and Industrial Areas by Ormprapa Pummakarnchana
14:10 - 14:30	Waste Characteristics Influenced by Recent Management Strategies for MSW Reduction and Recycling in Taiwan by Yu-Min Chang
14:30 - 14:50	Thailand Life Cycle Inventory Database by Thumrongrut Mungcharoen
14:50 - 15:10	Optimizing Water Usage in a Conventional Industrial Wastewater Treatment Plant by Cheng Nan Chang
15:10 - 15:30	Coffee break
15:30 - 16:50	General Topics - Session Chair: Huaicheng Guo
15:30 - 15:50	The Environmental Impact of the Increasing of Energy Consumption Efficiency in Iran Petrochemical Industry by Kiomars Sohaili
15:50 - 16:10	Better City Environment through ISO 14001 Applications and Strategic Decision Making Process by Matiar Rahman
16:10 - 16:30	Using noise map to evaluate the environmental quality of Tainan, Taiwan by Yu-Hao Lin
16:30 - 16:50	A study on measures to activate CDM taking project risks into consideration by Ryuuji Matsuhashi
18:30 - 21:30	Conference Banquet at Amari Watergate Hotel

November 23, 2007

Room	Conference Room 3 (CR3) – November 23, 2007
Time	
08:30 - 12:00	Conference Registration
08:30 - 10:10	Water Resource Management - Session Chair: Baoshan Cui
08:30 - 08:50	Advances in assessment method for the urban ecological security in China by Qing Zhao
08:50 - 09:10	Application of Multi-attribute Decision Making Methods on Slope Treatment of Small Watershed by Wang Zhen
09:10 - 09:30	Analysis of Long-term Impact of Urbanization on Surface Runoff in Xitiaoxi River Basin by Na Li
09:30 - 09:50	Identification of Pollution of Dapeng Bay from Neighboring Rivers by Sediment Properties Using Canonical Discriminant Analysis by Liao Shao-Wei
09:50 - 10:10	Daily Rainfall Disaggregation at One-hour Timescale for Hydrologic Modeling in the Xiaoli River basin by L. He
10:10 - 10:30	Coffee break
10:30 - 12:10	Water Resource Management - Session Chair: Gordon Huang
10:30 - 10:50	Measurement and evaluation of Eco-efficiency of material metabolism in typical cities China by Yan Zhang
10:50 - 11:10	Self-tuning control model for water regulation in the Tarim River basin by R.H. Liu
11:10 - 11:30	State and space algorithm of downstream water-level control for multi-pool canals by Yizi Shang
11:30 - 11:50	Preservation of water resources and environment by means of doing statistical studies on water quality by S.A.A. Sajadi
11:50 - 12:10	An Inexact Two-Stage Quadratic Program for Water Resources Planning by Gordon Huang (and discussion)
12:10 - 13:30	Luncheon
13:30 - 15:10	General Topics - Session Chair: Guobin Li
13:30 - 13:50	Optimization of a Ultrasound-Assisted Nanoscale Fe/Fenton Process for Dye Wastewater Through a Statistical Experiment Design Method by Ling-Ling Hsieh
13:50 - 14:10	The Application of Geographic Information System and Multi Criteria Decision Analysis: Toward Hazardous Waste Transport Sustainability by Sathaporn Monprapussorn
14:10 - 14:30	A Mixed-Integer two-stage Interval Stochastic Programming Model for Regional Air Quality Management by K. Saencha
14:30 - 14:50	A GIS-based Air Pollution Modeling in Tehran by Amiri, A. R.
14:50 - 15:10	Emergy synthesis for the urban ecosystem health of four municipalities in China by Gengyuan Liu
15:10 - 15:30	Coffee break
15:10 - 15:30	Closing remarks

Room	Meeting Room 1 (MR1) – November 23, 2007
Time	
08:30 - 12:00	Conference Registration
08:30 - 10:10	Workshop - Session Chair: TBA
08:30 - 08:50	Workshop opening
08:50 - 09:10	Panel discussion
09:10 - 09:30	Panel discussion
09:30 - 09:50	Panel discussion
09:50 - 10:10	Discussion by Mr. Jess
10:10 - 10:30	Coffee break
10:30 - 12:10	Workshop - Session Chair: TBA
10:30 - 10:50	General group discussion
10:50 - 11:10	General group discussion
11:10 - 11:30	General group discussion
11:30 - 11:50	General group discussion
11:50 - 12:10	General group discussion
12:10 - 13:30	Luncheon
13:30 - 15:10	Workshop - Session Chair: TBA
13:30 - 13:50	Activities by Prem
13:50 - 14:10	Activities by Prem
14:10 - 14:30	Activities by Prem
14:30 - 14:50	Activities by Prem
14:50 - 15:10	Discussion
15:10 - 15:30	Coffee break
15:30 - 15:30	Closing remarks

Poster Exhibition

Room	TBA (To be announced)
Setup Time (November 21)	
09:00 - 10:00	A Preliminary Study of Harmful Algal Bloom Outbreaks in Kuwait Bay Using GIS by Rumana Riffat
09:00 - 10:00	Corporate risk management strategies under threats of global warming-Taiwan's experience by Yu Ling Chen
09:00 - 10:00	GIS based Geo-surface Closed-mine Pollution Data Management System by Jong-Gyu Han
09:00 - 10:00	Extraction of Relationship between Mine and Geological Information using Association Rule Mining Method by Jong-Gyu Han
09:00 - 10:00	Application of Multi-attribute Decision Making Methods on Slope Treatment of Small Watershed by Wang Zhen
09:00 - 10:00	Analysis of Long-term Impact of Urbanization on Surface Runoff in Xitiaoqi River Basin by Na Li
09:00 - 10:00	An Integrated Risk Assessment and Intercity Comparison Model of PAHs in Ambient Air of Six Metropolitans in China by Ya-Juan Yu
09:00 - 10:00	Reconstruction of Ecological Culture for Urban Environmental Management Policy by Bin Chen
09:00 - 10:00	Interval stochastic linear programming model for optimal water pollution management by Kai Huang
09:00 - 10:00	GIS-based Environmental Risk Assessment and Decision Support System for Xiamen Island by Junyi Zou
09:00 - 10:00	Passive air sampling and multimedia fate modeling of polychlorinated biphenyls (PCBs) to assess long-range transport and local pollution in Polar Regions by Yoon-Seok Chang
09:00 - 10:00	Removal of heavy metal by insoluble starch xanthate by Yi-Kuo Chang
09:00 - 10:00	An Implementation of an Automatic Modeling Tool for Waste Management Problems by Nawapunth Manusitthipol
09:00 - 10:00	Royal Irrigation Department (RID)
09:00 - 10:00	National Metal and Materials Technology Center (MTEC)
09:00 - 10:00	Thailand Institute of Science and Technology Research (TISTR)
09:00 - 10:00	Thai Embassy in Ottawa
09:00 - 10:00	Beijing Normal University
09:00 - 10:00	Peking University
09:00 - 10:00	Tsinghua University
09:00 - 10:00	University of Regina