

The 5th China-Japan Joint Seminar  
on  
Risk Management  
**Addressing Climate Change:  
Disaster Risk Management & Energy Security**

Date: March 25-27, 2010

Place: Beijing Institute of Technology, China

**Program Summary**

<b>Date</b>	<b>Time</b>	<b>Contents</b>		
<b>March 25</b>	<b>whole day</b>	<b>Registration</b>		
<b>March 26</b>	<b>7:00-8:30</b>	<b>Breakfast</b>		
	<b>8:30-9:00</b>	<b>Opening Ceremony</b>		
	<b>9:00-9:10</b>	<b>Taking Photos</b>		
	<b>9:10-12:00</b>	<b>Keynote Speeches</b>		
	<b>12:00-13:00</b>	<b>Lunch</b>		
	<b>13:30-15:10</b>	<b>Session 1</b>	<b>Session 2</b>	<b>Session 3</b>
	<b>15:40-18:00</b>	<b>Session 4</b>	<b>Session 5</b>	<b>Session 6</b>
	<b>19:00-21:00</b>	<b>Banquet</b>		
<b>March 27</b>	<b>Whole day</b>	<b>Sightseeing Tour to the Great Wall</b>		

# The 5th China-Japan Joint Seminar on Risk Management

## Program

March 26 (Friday)	<b>Co-chairs:</b> <b>Yi-Ming Wei</b> , <i>Dean and Professor, Beijing Institute of Technology (BIT), China</i> <b>Norio Okada</b> , <i>Director-General and Professor, Kyoto University, Japan</i>			Place
8:30-9:00	Opening Ceremony			the Graduate Building Room 102A
9:00-9:10	Taking Photos			
9:10-9:45	<b>Keynote Speech:</b> <i>Thoughts on Concepts and Modeling Dynamics of Participation and Multi-agent Decision Making for Integrated Disaster Risk Management</i> <b>Professor Norio Okada, Kyoto University.</b>			
9:45-10:20	<b>Keynote Speech:</b> <i>Quality as Global Competitive Advantage: from manufacturing to service</i> <b>Professor LC Tang, National University of Singapore</b>			
10:20-10:50	<b>Coffee Break</b>			
10:50-11:25	<b>Keynote Speech:</b> <i>An Analysis of China’s Energy Intensity and its Forecast</i> <b>Professor Li-Xin Tian, JiangSu University</b>			
11:25-12:00	<b>Keynote Speech:</b> <i>Economic Impact Analysis of a Disruption of an International Port: Toward Disaster Risk Governance of Global Critical Infrastructure</i> <b>Professor Hirokazu Tatano, Kyoto University</b>			
12:00-13:00	<b>Lunch</b>			
13:30-15:10	Session 1 <b>Room 418</b>	Session 2 <b>Room 422</b>	Session 3 <b>Room 426</b>	the Main Building Room 418 Room 422 Room 426
15:10-15:40	<b>Coffee Break</b>			
15:40-18:00	Session 4 <b>Room 418</b>	Session 5 <b>Room 422</b>	Session 6 <b>Room 426</b>	

## **March 26**

### **Breakfast (7:00-8:30)**

**Place:** BIT International Education Exchange Building

### **Opening Ceremony (8:30-9:00)**

**Place:** Room 102A, Graduate Classroom Building

**Chairman:** Yi-Ming Wei (Professor and Dean, Beijing Institute of Technology, China)

**Speakers:**

**Chang-Lu Zhao** (Professor and Vice President, Beijing Institute of Technology, China)

**Zuo-Yi Liu** (Professor and Director, Department of Management Science and Engineering,  
National Natural Science Foundation of China)

**Norio Okada** (Professor and Director, DPRI, Kyoto University, Japan),

### **Taking Photos (9:00-9:10)**

**Place:** Front Gate of the Graduate Building

### **Keynote Speeches (9:10-12:00)**

**Place:** Room 102A, Graduate Building

**Chairman:** Hirokazu Tatano (Professor, DPRI, Kyoto University)

9:10-9:45 **Norio Okada** (Professor, DPRI, Kyoto University)

**Thoughts on Concepts and Modeling Dynamics of Participation and Multi-agent  
Decision making for integrated disaster risk management**

9:45-10:20 **LC Tang** (Professor, Head of the Department of Industrial and Systems Engineering,  
National University of Singapore)

**Quality as global competitive advantage: from manufacturing to service**

### **10:20-10:50 Coffee Break**

**Chairman:** Jin Fan (Professor and Director, Research Centre for Jiangsu Applied Economics,  
Jiangsu Administration Institute)

10:50-11:25 **Li-Xin Tian** (Professor and Vice President, Jiangsu University)

**An analysis of China's energy intensity and its forecast**

11:25-12:00 **Hirokazu Tatano** (Professor, DPRI, Kyoto University)

**Economic impact analysis of a disruption of an international port: toward disaster  
risk governance of global critical infrastructure**

### **12:00-13:00 Lunch**

### **Session 1 (13:30-15:10)**

**Place:** Room 418, the Main Building

**Chairman:** Shi-Feng Huang

13:30-13:55 **Yue-Jun Zhang** (Assistant Professor, School of Management and Economics, Beijing Institute of Technology)

**Interpreting the complex impact of energy markets on the international carbon market: empirical evidence from the EU ETS**

13:55-14:20 **Kai Wang** (Institute of Policy and Management, Chinese Academy of Sciences)

**A threshold cointegration analysis of asymmetric price transmission from crude oil to carbon prices**

14:20-14:45 **Muneta Yokomatsu** (Associate Professor, DPRI, Kyoto University)

**Macroeconomic dynamics with stochastic energy price in the four-sector open economy**

14:45-15:10 **Rong-Gang Cong** (Institute of Policy and Management, Chinese Academy of Sciences)

**Auction design for the allocation of carbon emission allowances: uniform or discriminatory price?**

### **Session 2 (13:30-15:10)**

**Place:** Room 422, the Main Building

**Chairman:** De-Qun Zhou

13:30-13:55 **Jong-il Na** (Department of Urban Management, Graduate School of Engineering, Kyoto University)

**Implementation of disaster scenario workshop utilizing the Sandankai system for disaster risk communication in a high school of Korea**

13:55-14:20 **Itaru Endo** (Department of Urban Management, Graduate School of Engineering, Kyoto University)

**Economic value of rainwater harvesting during disaster**

14:20-14:45 **Shuo-Qi Li** (Department of Urban Management, Graduate School of Engineering, Kyoto University)

**Vitae System based evacuation simulation of rapidly increasing flood in an urban river**

14:45-15:10 **Michinori Hatayama** (Associate Professor, DPRI, Kyoto University)

**Flood evacuation planning using agent-based simulation across administrative borders in downstream basin of Ane and Takatoki river, Shiga**

### **Session 3 (13:30-15:10)**

**Place:** Room 426, the Main Building

**Chairman:** Le-Le Zou

13:30-13:55 **Kazuyoshi Nakano** (Graduate School of Informatics, Kyoto University)

**Consistent measurement of economic impacts of natural disasters: a theoretical approach**

13:55-14:20 **Gang Wu** (Associate Professor, Institute of Policy and Management, Chinese Academy of Sciences)

**Comparison of China's oil import risk based on portfolio theory**

14:20-14:45 **Jie Guo** (Institute of Policy and Management, Chinese Academy of Sciences)

**Input-output subsystems and pollution: an application to the tertiary industry and CO<sub>2</sub> emissions in China**

14:45-15:10 **Peng Zhou** (Professor, College of Economics and Management, Nanjing University of Aeronautics and Astronautics)

**Data envelopment analysis in energy and environmental studies**

### **15:10-15:40 Coffee Break**

### **Session 4 (15:40-18:00)**

**Place:** Room 418, the Main Building

**Chairman:** Peng Zhou

15:40-16:05 **Jin Fan** (Professor, Research Centre for Jiangsu Applied Economics, Jiangsu Administration Institute)

**Regional income disparity in China using value-added data: decomposition and distribution dynamics**

16:05-16:30 **Bin Fang** (Institute of Policy and Management, Chinese Academy of Sciences)

**The driving forces of China's energy consumption, CO<sub>2</sub> and air pollution emission: a structural decomposition analysis**

16:30-16:55 **Yuji Ogawa** (Department of Urban Management, Graduate School of Engineering, Kyoto University)

**Measuring long-term damage of disaster with multi-sector economic growth model**

16:55-17:20 **Le-Le Zou** (Assistant Professor, Institute of Policy and Management, Chinese Academy of Sciences)

**To be developed or vulnerable? Vulnerability assessment of Coastal hazards in Southeast Asia**

17:20-17:45 **Junho Choi** (Graduate School of Informatics, Kyoto University)

**Development of SCGE-SUE Hybrid model to analyze the economic impact due to**

**the disruption of transportation network**

**Session 5 (15:40-18:00)**

**Place:** Room 422, the Main Building

**Chairman:** Muneta Yokomatsu

15:40-16:05 **Wen-Fu Peng** (Assistant Professor, Key Lab of Land Resources Evaluation and Monitoring in Southwest, Ministry of Education, Sichuan Normal University)  
**Predicting soil erosion process based on RS & GIS**

16:05-16:30 **Hiroataka Iwata** (Kyoto University)  
**Measuring benefit of mitigation taking into account the spatial correlation of losses due to natural disasters**

16:30-16:55 **Reza Nourjou** (DPRI, Kyoto University)  
**Implementation of spatio-temporal relationships in geodatabase for moving objects**

16:55-17:20 **Shi-Feng Huang** (Professor, Remote Sensing Technique Application Center, China Institute of Water Resources and Hydropower Research)  
**Dynamic monitoring of Dongting Lake water area variations between March 2000 and December 2008 using Terra/MODIS data time series**

17:20-17:45 **Cun-Jian Yang** (Professor and Dean, School of Geography and Resource, Sichuan Normal University)  
**Extracting vegetation type information from multi-temporal MODIS imageries in Sichuan province**

**Session 6 (15:40-18:00)**

**Place:** Room 426, the Main Building

**Chairman:** Michinori Hatayama

15:40-16:05 **Roshan Bhandari** (Department of Urban Management, Graduate School of Engineering, Kyoto University)  
**Some insights on social capital and disaster resilience with reference to a ritual based community: a case study of Kishiwada City, Japan**

16:05-16:30 **Tsuyoshi Toda** (Department of Urban Management, Graduate School of Engineering, Kyoto University)  
**Disaster aid and recovery process in overlapping generations model of money**

16:30-16:55 **Ling-Yun He** (Associate Professor, College of Economics & Management, China Agricultural University)  
**Multifractal detrended cross-correlation analysis of agricultural futures markets**

16:55-17:20 **Hui Liu** (Graduate School of Informatics, Kyoto University)  
**Estimation of flood risk premium based on land market data**

**19:00-21:00 Banquet**