



The 7th China-Japan Joint Seminar on Risk Management and Climate Change

November 9-12, 2013, Beijing

Chairman:

Prof. WEI Yi-Ming
Prof. TATANO Hirokazu
Prof. OKADA Norio
Prof. WANG Zhao-Hua

Organized by:

Centre for Energy and Environmental Policy Research,
Beijing Institute of Technology
Disaster Prevention Research Institute,
Kyoto University

Sponsored by:

National Natural Science Foundation of China (NSFC)

The 7th China-Japan Joint Seminar on Risk Management and Climate Change

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Center for Energy and Environmental Policy Research

Beijing Institute of Technology, China

Program Summary

<i>November 09 (Saturday)</i>	
whole day	Arrival / Registration
<i>November 10 (Sunday)</i>	
08:30-08:45	Welcome Address
08:45-09:00	Taking Photos
09:00-10:30	Keynote Session
10:30-10:50	Coffee Break
10:50-12:20	Keynote Session
12:20-13:30	Lunch
13:30-15:15	Technical Session 1
15:15-15:35	Coffee Break
15:35-17:55	Technical Session 2
17:55-18:10	CEEP-BIT Visiting
18:30-21:00	Welcome Banquet
<i>November 11 (Monday)</i>	
08:30-09:15	Keynote Session
09:15-10:45	Technical Session 3
10:45-10:50	Coffee Break
10:50-12:10	Technical Session 4
12:10-13:30	Lunch
13:30-15:30	Technical Session 5
15:30-15:50	Coffee Break
15:50-17:30	Technical Session 6
17:30-17:00	Close Ceremony
18:00-20:00	Conference Dinner
<i>November 12 (Tuesday)</i>	
Whole day	Sightseeing / Industrial Visit
<i>November 13 (Wednesday)</i>	
Whole day	Departure

The 7th China-Japan Joint Seminar on Risk Management and Climate Change

Agenda

November 10

Room 241, Main Building

Breakfast (7:00-8:00)

Place: Friendship Hotel / International Education Exchange Centre

Welcome Address (8:30-8:45)

Chairman: Prof. WANG Zhao-Hua(Associate Dean, School of Management and Economics, CEEP, Beijing Institute of Technology)

Speaker: Prof. LI Jin-Lin (Chairman of the council, School of Management and Economics, Beijing Institute of Technology)

Taking Photos (8:45-9:00)

Keynote Session (9:00-10:30)

Chairman: Prof. WANG Zhao-Hua(Associate Dean, School of Management and Economics, Beijing Institute of Technology)

09:00-09:45 A Method to Measure Production Capacity Loss Due to the 2011 Tohoku-oki Earthquake and Tsunami

Prof. TATANO Hirokazu (Kyoto University)

09:45-10:30 Integrated Assessment Modeling in Climate Change : Hot Topics

Prof. WEI Yi-Ming (School of Management and Economics, Beijing Institute of Technology)

Coffee Break (10:30-10:50)

Keynote Session (10:50-12:20)

Chairman: Prof. TIAN Li-Xin (Vice President, Nanjing Normal University)

10:50-11:35 Temporal and spatial change analysis of snow in the western Sichuan based on MODIS images

Prof. YANG Cun-Jian (Sichuan Normal University)

11:35-12:20 Optimal path for controlling CO2 emissions in China: An efficiency analysis perspective

Prof. ZHOU Peng (Associate Dean, Nanjing University of Aeronautics and Astronautics)

Lunch (12:20-13:30)

Technical Session 1 (13:30-15:15)

Chairman: Prof. ZHANG Yue-Jun (Centre for Energy and Environment Policy Research
Beijing Institute of Technology)

13:30-14:05 Application of Remote Sensing and GIS on Flood Monitoring and Assessment in China

Prof. HUANG Shi-Feng (Deputy director, China Institute of Water Resources & Hydropower Research)

14:05-14:40 Managing Cascading Disaster Risks: From Public Policy and Resilience Perspectives

Dr. SHIMIZU Mika (Assistant Professor, Kyoto University)

14:40-15:15 A Platform for China Energy & Environmental Policy Analysis

Prof. LIANG Qiao-Mei (Associate Professor, Beijing Institute of Technology)

Coffee Break (15:15-15:35)

Technical Session 2 (15:35-17:55)

Chairman: Prof. ZHOU Peng (Associate Dean, Nanjing University of Aeronautics and Astronautics)

15:35-16:10 Analysis of China's Energy and Electricity Consumption based on Environmental Kuznets curve

Dr. HAO Yu (Assistant Professor, Beijing Institute of Technology)

16:10-16:45 Optimal replacement of China's fossil energy by the use of wind, biomass and solar power based on portfolio theory

Prof. SUN Mei (Jiangsu University)

16:45-17:20 A CGE Study of Economic Restoration after a Natural Disaster

Dr. YAMAZAKI Masato (Assistant Professor, Nagoya University)

17:20-17:55 The elasticity of substitution and the way of nesting CES production function with emphasis on energy input

Prof. ZHA Dong-Lan (Associate Professor, Nanjing University of Aeronautics and Astronautics)

CEEP-BIT Visiting (17:55-18:10)

Welcome Banquet (18:10-21:00)

November 11

Room 241, Main Building

Breakfast (7:00-8:00)

Place: Friendship Hotel / International Education Exchange Centre

Keynote Session 3 (8:30-9:15)

Chairman: Prof. WEI Yi-Ming (School of Management and Economics, Beijing Institute of Technology)

**08:30-09:15 Upgrading Systems Thinking Efforts for Averting Evolving Disasters:
a further challenge**

Prof. OKADA Norio (DPRI, Kwansai Gakuin University)

Technical Session 3 (09:15-10:45)

Chairman: Dr. SHIMIZU Mika (Assistant Professor, Kyoto University)

**09:15-09:45 Non-radial meta-frontier approach to identify carbon emission performance
and intensity**

Prof. WANG Qun-Wei (Associate Professor, Soochow University)

**09:45-10:15 Research for the Comprehensive Evaluation of Ice Disaster Risk for the
Ningxia-Inner Mongolia Reach in the Upper Yellow River**

Dr. WU Cheng-Guo (Post-doctoral, Hefei University of Technology)

**10:15-10:45 The impacts of carbon tax on energy intensity and economic growth:
A dynamic evolution analysis on the case of China**

Dr. FANG Guo-Chang (Post-doctoral, Jiangsu University)

Coffee Break (10:45-11:00)

Technical Session 4 (11:00-12:20)

Chairman: Prof. SUN Mei (Jiangsu University)

**11:00-11:20 Retrospective Analysis of Community's Concerns on Flood Risk and Its
Reduction in Shiga prefecture, Japan**

CHOI Junho (Researcher, Kyoto University)

**11:20-11:40 National Vulnerability to extreme climatic events: the cases of electricity
disruption in China and Japan**

FAN Jing-Li (Ph.D. Candidate, Beijing Institute of Technology)

**11:40-12:00 A Methodology for Assessment of Spatial Distribution of Flood Risk Part I :
Copula Based Rainfall Spatial Dependence Analysis and Correlated Rainfall
Data Generation**

JIANG Xin-Yu (Ph.D. Candidate, Kyoto University)

12:00-12:20 Identifying China's Energy Poverty and its Biomass Use

LI Kang (Ph.D. Candidate, Beijing Institute of Technology)

Lunch (12:20-13:30)

Technical Session 5 (13:30-15:30)

Chairman: Dr. HAO Yu (Assistant Professor, Beijing Institute of Technology)

13:30-13:50 **China's regional vulnerability to drought and its mitigation strategies under climate change: data envelopment analysis and analytic hierarchy process integrated approach**

YUAN Xiao-Chen (Ph.D. Candidate, Beijing Institute of Technology)

13:50-14:10 **Simulation of Flight Passengers Affected by The Impacts of Volcanic Eruption: A Case Study of Sakurajima Volcano**

TAMAKI Tetsuya (Ph.D. Candidate, Kyoto University)

14:10-14:30 **Multi-agent simulation of the time-of-use pricing policy in an urban natural gas pipeline network: A case study of Zhengzhou**

LI Lan-Lan (Ph.D. Candidate, Hefei University of Technology)

14:30-14:50 **A Methodology for The Estimation of Indirect Economic Loss Caused by Flood Disaster**

YANG Li-Jiao (Ph.D. Candidate, Kyoto University)

14:50-15:10 **Directed dependency network under multiple energy resource structure**

DONG Gao-Gao (Ph.D. Candidate, Jiangsu University)

15:10-15:30 **Construction of Tsunami Evacuation Evaluation System for Support to Disaster Risk Communication**

NAKAI Fuko (Master, Kyoto University)

Coffee Break (15:30-15:50)

Technical Session 6 (15:50-17:30)

Chairman: Dr. YAMAZAKI Masato (Assistant Professor, Nagoya University)

15:50-16:10 **Estimating Industrial Production Capacity Changes Due to Earthquake**

ZHANG Xin (Master, Kyoto University)

16:10-16:30 **Responsibility Accounting in Carbon Allocation: A Global Perspective**

WANG Lu (Ph.D. Candidate, Beijing Institute of Technology)

16:30-16:50 **Economic Impact Assessment of the Great East Japan Earthquake to Industrial Sectors**

FURUHASHI Takayuki (Master, Kyoto University)

16:50-17:10 **Factors of carbon price volatility in a comparative analysis of the EUA and sCER**

SHEN Cheng (Master, Beijing Institute of Technology)

17:10-17:30 **Designing Insurance for Business Interruption Caused by an Earthquake**

KOHAYAKAWA Yumi (Master, Kyoto University)

Close Ceremony (17:30-18:00)

Chairman: Prof. TANG Bao-Jun (CEEP-BIT, School of Management and Economics, Beijing Institute of Technology)

Speakers:

Prof. TATANO Hirokazu (DPRI, Kyoto University)

Prof. WANG Zhao-Hua (School of Management and Economics, Associate Dean, Beijing Institute of Technology)

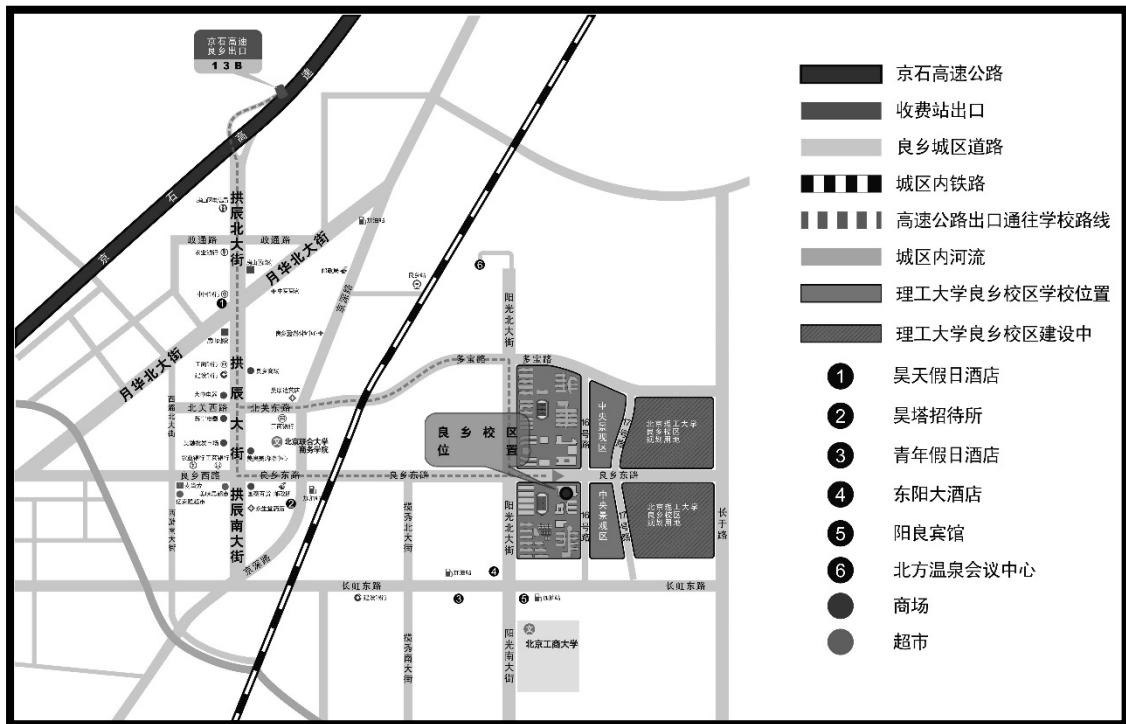
Conference Dinner (18:00-20:00)



Map of Friendship Hotel, CEEP-BIT and International Exchange Center of BIT (Zhongguancun)



Map of The 9th China (Beijing) International Garden Expo



Map of Beijing Institute of Technology (Liangxiang)

Introduction on CEEP-BIT

北京理工大学能源与环境政策研究中心简介

The Center for Energy & Environmental Policy Research, Beijing Institute of Technology was founded in 2009. The current director of CEEP-BIT, Prof. Wei Yi-Ming Wei, established a CAS-CNPC Joint Center for Energy and Environmental Policy in 2006, and held the position of its first director. The core research team then joined BIT and kept on contributing to research, education and international communication in the fields of energy and environmental policy. Focusing on the important energy and climate change issues, CEEP conducts research on energy & environmental strategy and policy. CEEP contributes to the application and development of energy economics, energy environment, energy policy and related management science. CEEP provides scientific basis on energy strategy and policy for governmental decision making and provides the development strategy, planning and management for energy companies. CEEP also serves as a professional education center in energy economics, energy policy and management, and a platform for international exchange in the area of energy and environmental policy research.

北京理工大学能源与环境政策研究中心是 2009 年经学校批准成立的研究机构，挂在管理与经济学院。能源与环境政策研究中心大部分研究人员来自魏一鸣教授 2006 年在中科院创建的能源与环境政策研究中心。中心面向国家能源与应对气候变化领域的重大需求，针对能源与环境战略、能源政策中的关键科学问题开展研究。推动能源经济、能源环境、能源政策与管理等学科的应用与发展；为政府制定能源环境战略和政策提供科学依据；并为中国能源企业制定发展战略与规划提供决策支持；培养能源经济、能源政策与管理领域的高水平专门人才；建设与国际一流同行机构开展学术交流的平台。