

**Fifth Annual IIASA-DPRI Forum**  
**INTEGRATED DISASTER RISK MANAGEMENT**  
**Innovations in Science and Policy**

**Forum Guide**

14-18 September 2005  
International Academic Exchange Center  
Beijing Normal University  
Beijing, China

# Welcome

## Dear Colleagues

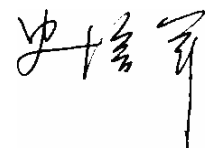
On behalf of the Fifth Annual IIASA-DPRI Forum Steering Committee, it is my pleasure to welcome you to Beijing and to Beijing Normal University. We have been working hard the last several months to plan a forum that will broaden your experience of integrated disaster risk management and introduce some of the challenges to understanding and managing the integrated disaster risk; that will pique your interest in new approaches and ideas in our field; that will leave you impressed with the insights and creativity of your colleagues; that will warm your hearts with the promise of the next generation of scientists of the integrated disaster risk management and that will connect you with friends and colleagues from around the world.

I sincerely hope that you are able to take full advantage of the formal sessions and field trips, and also that you are able to explore on your own.

Beijing is a very ancient city. There are many great place to walk around and interesting story to listen to. The unique cultural and civilized environment of Beijing has produced some of the highest levels of endemism in the world. I hope that this forum will produce synergies and collaborations that will further our understanding of these researches. I especially welcome your perspectives, insights and ideas to help us understand, research, and effectively manage integrated disaster risk around the world.

I appreciate the members of Program Committee of our forum, especially Prof. Norio Okada, Prof. Joanne Linnerooth-Bayer, Prof. Aniello Amendola, Prof. Chennat Gopalakrishnan, and all invitees and participants to our forum.

Welcome to Beijing Normal University and have an enjoyable forum in Beijing.



Peijun Shi  
Director, Professor  
Institute of Disaster and Public Security, College of Resources Science & Technology  
Vice President  
Beijing Normal University

September 12, 2005  
Beijing, China

# Steering Committee of the Forum

## Organizing Committee

- Beijing Normal University
- National Disaster Reduction Center, Ministry of Civil Affairs, P. R. China
- Disaster Prevention Research Institute, Kyoto University, Japan
- International Institute for Applied Systems Analysis, Austria

## Sponsored by

- Key Laboratory of Environmental Change and Natural Disaster, the Ministry of Education of China, Beijing Normal University, China
- Research Center for Catastrophe Exposure and Insurance, Swiss Re & BNU
- Special Committee of Resources Sustainable Utilization and Disaster Reduction, China Society of Natural Resources
- Special Committee of Risk Analysis, China Association of Disaster Prevention

## Supported by

- Ministry of Civil Affairs of China (MOCA)
- Ministry of Science and Technology of China (MOST)
- Ministry of Education of China (MOE)
- National Natural Science Foundation of China (NSFC)
- State Administration of Foreign Experts Affairs, P. R. China (SAFEA)
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Norio Okada	Prof., Director of Division of Integrated Management for Disaster Risk, Disaster Prevention Research Institute, Kyoto University (DPRI-KU), <b>Japan</b>
Joanne Linnerooth- Bayer	Prof., Head of Risk, Modeling and Society, International Institute for Applied Systems Analysis (RMS-IIASA), <b>Austria</b>

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Yaoxian YE	Prof., China Architecture Design and Research Group / Beijing Normal University, <b>China</b>
Yiming WEI	Prof., Institute of Science, Technology Policy and Management, CAS, <b>China</b>
Zhenyao WANG	Prof., National Disaster Reduction Center, Ministry of Civil Affairs of China, <b>China</b>
Zongjin MA	Prof., Institute of Geology, State Seismological Bureau of China; CAS Academician, <b>China</b>

## Programme Committee

### Chairmen:

Aniello Amendola	Prof., RMS, International Institute for Applied Systems Analysis (IIASA), <b>Austria</b>
Chennat Gopalakrishnan	Prof., College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, <b>USA</b>
Ming ZOU	Dr., National Disaster Reduction Center, Ministry of Civil Affairs of China, <b>China</b>

### Members:

Hirokazu Tatano	Prof., Disaster Prevention Research Institute, Kyoto University, <b>Japan</b>
Joanne Linnerooth-Bayer	Prof., Risk, Modeling and Society, International Institute for Applied Systems Analysis (RMS-IIASA), <b>Austria</b>
Norio Okada	Prof., Division of Integrated Management for Disaster Risk, Disaster Prevention Research Institute, Kyoto University, <b>Japan</b>
Peijun SHI	Prof., Beijing Normal University, <b>China</b>
Shangyu GAO	Prof., Division of Science and Technology, Beijing Normal University, <b>China</b>
Xiaobing LI	Prof., College of Resources Science and Technology, Beijing Normal University, <b>China</b>

## ORGANIZING COMMITTEE

### Chairmen:

Peijun SHI	Vice-President of Beijing Normal University, <b>China</b>
Zhenyao WANG	Director of National Disaster Reduction Center, Ministry of Civil Affairs of China, <b>China</b>

### Members:

Ming ZOU	Active Associate Director of National Disaster Reduction Center, Ministry of Civil Affairs of China, <b>China</b>
Cong GAO	General Manager, Swiss Reinsurance Company Beijing Branch, <b>China</b>
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Ping WANG	Associate-Prof., Institute of Resources Technology and Engineering, College of Resources Science and Technology, Beijing Normal University, <b>China</b>
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Jing ZHENG	Mr., Institute of Disaster and Public Security, College of Resources Science and Technology, Beijing Normal University, <b>China</b>
Tao YE	Mr., Institute of Disaster and Public Security, College of Resources Science and Technology, Beijing Normal University, <b>China</b>
Akiko ENDO	Ms., Integrated Management for Disaster Risk, Disaster Prevention Research Institute, Kyoto University, <b>Japan</b>

**Office:** College of Resources Science and Technology, Beijing Normal University  
No.19, Xijiekouwai Street, Beijing, People's Republic of China, 100875

**Tel:** 86-10-58808179, Fax: 86-10-58802158

**Email:** yetao@ires.cn, zhengjing@ires.cn

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# **IDRiM**

## **Fifth Annual IIASA-DPRI Forum**

### **INTEGRATED DISASTER RISK MANAGEMENT**

**The Annual IIASA-DPRI Forum is an serial International Annual Meeting for all individuals in integrated disaster risk management. Its aims are:**

- to facilitate research in natural disasters
- to promote decrease infectious diseases
- to research technological accidents.

**The topic of the Fifth Annual IIASA-DPRI Forum, INTEGRATED DISASTER RISK MANAGEMENT: Innovations in Science and Policy. Sessions will be held on:**

- Topic Report of the Forum
- Keynote Addresses
- Tsunami and Earthquake: Lessons for Social Implementation
- Infectious Disease
- Crisis Management in the 21st Century
- Disasters and Vulnerability
- Risk Assessment and Modeling
- Floods: Innovations in Science and Policy
- Poster Session A (for Senior Researchers)
- Management of Major Accident Risks: Innovations in Science and Policy
- Drought and Other Weather-related Disasters: Innovations in Science and Policy
- Earthquakes: Socio-Economic Issues
- Risk, Vulnerability and Governance
- Implementation of Innovative Science and Policy
  - Pro-Active Financing
  - Pro-Active Education and Training
  - The Case Stations and Field Campuses for IDRiM
- IDRiM Methodology, Models and Tools
- Parallel Sessions for Young Scientists
  - Building Disaster Coping Capacity in Society
  - Disaster Risk Management
- Poster Session B (for Young Scientists)
- Next Step of IDRiM Studies and Roles of NEXUS Young Scientists
- NEXUS-IDRiM Initiative: Round Table Discussion

**Fifth Annual IIASA-DPRI Forum**  
**INTEGRATED DISASTER RISK MANAGEMENT:**  
**Innovations in Science and Policy**

**CONFERENCE OVERVIEW**

All Rooms are at the Yingdong Conference Hall, BNU

**Tuesday, 13 September**

08:30-24:00 Registration in the lobby of the International Academic Exchange Center, BNU

***Venue: Yingdong Conference Hall, BNU, 14-18 September***

	Lecture Hall	Room 3	Room 2	1F
<b>Wednesday, 14 September</b>				
08:30-09:30	<b>Opening Ceremony</b>			
09:30-10:50	<b>Topic Report of the Forum</b>			
10:50-11:20	<i>Coffee break</i>			
11:20-12:30	<b>Keynote Addresses</b>			
12:30-14:00	<i>Lunch</i>			
14:00-15:30	<b>TSUNAMI and Earthquake: Lessons for Social Implementation</b>			
15:30-15:50	<i>Coffee break</i>			
15:50-17:30	<b>Infectious Diseases</b>			
17:30-18:30	<b>Crisis Management in the 21st Century</b>			
18:30-20:30	<i>Reception International Academic Exchange Center 2F</i>			

<b>Thursday, 15 September</b>				
08:30-10:35	<b>Disasters and Vulnerability</b>			
10:35-11:00	<i>Coffee break</i>			
11:00-12:50	<b>Parallel Session 1</b>	<b>Parallel Session 2</b>	<b>NIED&amp; BNU Joint Workshop</b>	
12:50-14:00	<i>Lunch</i>			
14:00-15:30				<b>Poster A 1F</b>
15:30- 16:00	<i>Coffee break</i>			
16:00 – 18:30	<b>Parallel Session 3</b>	<b>Parallel Session 4</b>		

	Lecture Hall	Room 3	Room 2	1F
<b>Friday, 16 September</b>				
08:30-10:30	<b>Parallel Session 5</b>	<b>Parallel Session 6</b>		
10:30-11:00	<i>Coffee break</i>			
11:00-12:45	<b>Session A: Pro-Active Financing</b>			
12:45-14:30	<i>Lunch</i>			
14:30-16:20	<b>Session B: Pro-Active Education and Training</b>			
16:20-16:40	<i>Coffee break</i>			
16:40-17:30	<b>Discussion and Closure</b>			
<b>Saturday, 17 September</b>				
08:30-9:30	<b>IDRiM Methodology, Models and Tools</b>			
09:30-10:00	<i>Coffee Break</i>			
10:00-12:30	<b>Parallel Sessions for Young Scientists A</b>	<b>Parallel Sessions for Young Scientists B</b>		
12:30-13:30	<i>Lunch</i>			
13:30-16:30				<b>Poster B 1F Lobby</b>
16:30-17:00	<i>Coffee Break</i>			
17:00-19:00	<b>Next Step of IDRiM Studies and Roles of NEXUS Young Scientists</b>			
<b>Sunday, 18 September</b>				
10:00-12:00			<b>NEXUS-IDRiM Initiative: Round Table Discussion</b>	
12:00-14:00	<i>Lunch</i>			
<b>CLOSED</b>				

**AGENDA**  
**Fifth Annual IIASA-DPRI Forum**  
**INTEGRATED DISASTER RISK MANAGEMENT:**  
**Innovations in Science and Policy**

*International Academic Exchange Center*  
*Beijing Normal University*  
*Beijing, China*

**14-18 September 2005**

**Tuesday, 13 September**

08:30-24:00     **REGISTRATION** in the lobby of the Jingshi Building

**Wednesday, 14 September**

**08:00    08:30    Registration and Coffee**

**08:30-09:30    Opening Ceremony of the Forum**  
**Chair: Peijun Shi**

**09:30-10:45    Topic Report of the Forum**  
**Chair: Aniello Amendola**

*09:30-09:55    The Theory and Practice of Integrated Disaster Risk Research*  
*Peijun Shi*

*09:55-10:20    Placing the Research Stream of Integrated Disaster Risk Management*  
*(IDRiM) In Retrospect and Prospect*  
*Norio Okada*

*10:20-10:45    Integrated Disaster Risk Management in a Pluralistic Society*  
*Joanne Linnerooth-Bayer*

*10:45-11:20    Coffee break*

**11:20-12:35    Keynote Addresses:**  
**Chair: Norio Okada**

*11:20-11:45    Human Vulnerability to Global Environmental Change:*  
*The State of Research*  
*Roger Kasperson*

*11:45-12:10    Reducing China's Vulnerability to Disasters*  
*Zhenyao Wang*

*12:10-12:35    Discussion*

*12:35-14:00    Lunch*

- 14:00-15:30**      **TSUNAMI AND EARTHQUAKE: Lessons for Social Implementation**  
**Chair: *Patrick Lagadec***
- 14:00-14:20*      How to Prepare for Such a Huge Natural Force as  
the Indian Ocean Tsunami of 2004  
*Nobuo Shuto*
- 14:20-14:40*      Critical Policy Issues in the Development of a Tsunami Early Warning  
System (EWS) for the Indian Ocean  
*Yasamin O. Izadkhah, Ian Davis*
- 14:40-15:00*      Current Status of Earthquake Risk Mitigation Activities in Istanbul  
*Mustafa Erdik*
- 15:00-15:30*      **Discussion**
- 15:30-16:00*      *Coffee break*
- 16:00-17:15**      **INFECTIOUS DISEASES**  
**Chair: Andrew Collins**
- 16:00-16:25*      Avian Influenza Control and Prevention in China  
*Baoxu Huang*
- 16:25-16:50*      What Integrated Infectious Disease Assessment Teaches About Mitigating  
the Impact of New Disease Epidemics  
*Andrew Collins*
- 16:50-17:15*      **Discussion**
- 17:15-18:15**      **CRISIS MANAGEMENT IN THE 21ST CENTURY**  
**Chair: *Mustafa Erdik***
- 17:15-17:45*      "Unthinkable" Events in "Inconceivable" Contexts  
*Patrick Lagadec*
- 17:45-18:15*      **Discussion**
- 19:00              *Reception (Master of Ceremony: Ning Li)*

**Thursday, 15 September**

**08:30-10:35      Disasters and Vulnerability**

**Chair: Joanne Bayer**

08:30-08:55      Improvement of China's Overall Capacity for Disaster Prevention and Mitigation through Scientific and Technological Progress  
*Yanhua Liu*

08:55-09:15      Overview of Hot Spots Project and Vulnerability Indicators  
*Art Lerner-Lam*

09:15-09:35      Recent Developments in Disaster Reduction R&D Promotion Under "Implementation Strategies"  
*Hiroyuki Kameda*

09:35-9:55      Economic Vulnerability: How Can We Link With Cost-Effective Mitigation?  
*Reinhard Mechler*

09:55-10:15      Vulnerability to SARS and remedials  
*Guang Zeng*

10:15-10:35      **Discussion**

10:35-11:00      *Coffee break*

## 11:00-13:00 Parallel Sessions

Parallel Session 1	Parallel Session 2
<b>Risk Assessment and Modeling</b> <b>Chair: Hirokazu Tatano</b> <b>Co-Chair: Zoran Milutinovic</b>	<b>Floods: Innovations in Science and Policy</b> <b>Chair: Hans Peter Nachtnebel</b> <b>Co-Chair: Liu Shukun</b>
<i>11:00-11:20</i> The Compilation of City Natural Disaster Regionalization in China <b>Jing-ai Wang, Xiangsheng Yi et al</b>	<i>11:00-11:20</i> Impacts of Human Interventions on Hydrological Risk at the Catchment Scale <b>Hans Peter Nachtnebel</b>
<i>11:20-11:40</i> A Framework of Economic Loss Estimation of Transportation Network Disruption Caused by an Earthquake <b>Hirokazu Tatano</b>	<i>11:20-11:40</i> Global Implications from the Analysis of Abnormal Rainfall Phenomena on Various Spatio-Temporal Scales Ranging to Basin Characteristics <b>Eiichi Nakakita, Kinji Yoshimoto</b>
<i>11:40-12:00</i> Household's Choice on Reconstruction of a Damaged House after an Earthquake <b>Hiroyuki Sakakibara et al</b>	<i>11:40-12:00</i> An Optimal Design Scheme of In-Floodplain Mitigation Measures to Maximize Success Rate of Evacuation <b>Tomoharu Hori, Michiharu Shiiba</b>
<i>12:00-12:20</i> Disaster Risk Finance Existing Models and Next Steps <b>Koko Warner</b>	<i>12:00-12:20</i> Modeling Flood Loss and Risk Perception: Case of Nari Typhoon 2001 in Taipei <b>Daigee Shaw, Hsing-Hsiang Huang, Ming -Chou Ho</b>
<i>12:20-12:40</i> Risk Assessment and Regionalization for Debris-flow Disaster Insurance in Mountainous Area in Beijing <b>Li Liu</b>	<i>12:20-12:40</i> NIED Project on Integrated Risk Assessment of Flood Risk* <b>Teruko Sato et al</b>
<i>12:40-13:00</i> A Flood Evacuation Information System for Citizens and Local Government: Evacuation Planning based on Social Welfare Maximization <b>Akiyoshi Takagi and Tomohiro Yamada</b>	<i>12:40-13:00</i> Scientific and Policy Innovation in the Integrated Flood Risk Management <b>Liu Shukun</b>

\* A separate detailed discussion of the NIED project -- open to public -- will take place on 15 Sept, 10:50-13:30. See Forum Guide for details.

13:00-14:00 *Lunch*

**14:00-15:30 POSTER SESSION A (for Senior Researchers)**

15:30-16:00 *Coffee break*

**16:00 – 18:00 Parallel Sessions**

<b>Parallel Session 3</b>	<b>Parallel Session 4</b>
<p><b>Management of Major Accident Risks: Innovations in Science and Policy</b></p> <p><i>Chair: Aniello Amendola</i> <i>Co-Chair: Tiemin Liu</i></p>	<p><b>Drought and Other Weather-related Disasters: Innovations in Science and Policy</b></p> <p><i>Chair: Li Ning</i> <i>Co-Chair: Eiichi Nakakita</i></p>
<p>16:00-16:20 Integrating the Control of Major Accidents Risk in the Overall Policy for Disaster Prevention and Mitigation <i>Aniello Amendola</i></p>	<p>16:00-16:20 China Dust Storms: A Remote Sensing Evaluation of the Hazard and its Societal Impact <i>Dalia Bach</i></p>
<p>16:20-16:40 The Current Situation and Prevention Measures in Mining, China  <i>Cheng Wang</i></p>	<p>16:20-16:40 Some of our Comprehension and Understanding in Risk Analysis for Development and Management Related Water Resources, Water Disaster and Water Environment <i>Yuansheng Zhu, Longcang Shu</i></p>
<p>16:40-17:00 Assessment and Management of Major Accident Risks Connected with Industrialized Areas: The Case of Ravenna (Italy)  <i>Gigliola Spadoni, D. Egidi</i></p>	<p>16:40-17:00 The Risk Assessment and Regionalization of Flood/Waterlogging Disaster in Middle and Lower Reaches of Liao River of Northeast China <i>Hui Zhang, Jiquan Zhang, Junshan Han</i></p>
<p>17:00-17:20 Current Practices for Risk Zoning Around Nuclear Power Plants in Comparison to Other Industry Sectors <i>Christian Kirchsteiger</i></p>	<p>17:00-17:20 Lessons learnt from 1998 Quebec Ice Storm: Case Study of Crisis Management <i>Patrick Lagadec</i></p>
<p>17:20-17:40 Natech Disasters: A Review of Practices, Lessons Learned and Future Research Needs <i>Ana Maria Cruz</i></p>	<p>17:20-17:40 <b>General Discussion</b></p>
<p>17:40-18:00 <b>General Discussion</b></p>	

**Friday, 16 September**

**08:30-10:30 Parallel Sessions**

<b>Parallel Session 5</b>	<b>Parallel Session 6</b>
<b>Earthquakes: Socio-Economic Issues</b> <i>Chair: Mohsen Ghafory-Ashtiany</i> <i>Co-Chair: Yaoxian Ye</i>	<b><i>Risk, Vulnerability and Governance</i></b> <i>Chair: Joanne Linnerooth-Bayer</i> <i>Co-Chair: Hiroyuki Kameda</i>
08:30-08:50 Post BAM Recovery: What is the Status?  <i>Mohsen Ghafory-Ashtiany</i>	08:30-08:50 Innovation in Science and Policy for Risk and Vulnerability Assessment of Critical Infrastructures <i>Adrian Gheorghe</i>
08:50-09:10 Earthquake Protection of Historical Buildings by Reversible Mixed Technologies: The Prohitech Project <i>Zoran Milutinovic, Frederico M. Mazzolani</i>	08:50-09:10 Quantitative Risk Assessment of Natural Hazards: An Australian Perspective  <i>John McAneney</i>
09:10-09:30 Urbanization and Earthquake Disaster Reduction  <i>Yaoxian Ye</i>	09:10-09:30 Vulnerability Assessment: The Applicability and Usefulness of Indicators to Measure Vulnerability <i>Joern Birkmann, Joanne Linnerooth-Bayer, Reinhard Mechler</i>
09:30-09:50 Durable Development, from Slogan to Action  <i>Mohammad Hassan Ahmadi</i>	09:30-09:50 Risk Perception and Structural Vulnerability in Istanbul Following the Marmara Earthquakes: Strategies for Reducing Vulnerability <i>Rebekah A. Green</i>
09:50-10:10 Earthquakes and Mental Health  <i>Naghmeh Sadeghi</i>	09:50-10:10 A Vulnerability Assessment Methodology for Flood Hazards in China – Using Changsha as a Case Study <i>Yi Ge et al</i>
10:10-10:30 Liquidity Constraint on Housing Choice after Disaster <i>Muneta Yokomatsu, Kiyoshi Kobayashi, Katsumi Wakigawa</i>	10:10-10:30 Environmental Disaster Risk, Political Conflict and Governance: A Case Study from Nepal <i>Komal Raj Aryal, Suresh Bhattarai</i>

10:30-11:00      *Coffee break*

## **Implementation of Innovative Science and Policy**

### **11:00-13:05      Session A: Pro-Active Financing**

*Chair: Shaohong Wu*

*11:00-11:20      The Outlook for Innovative Insurance Instruments in China*

*Peter Forstmoser*

*11:20-11:40      Assessing the Financial Management of Public Sector Disaster Risk: The Mexican Case*

*Victor Cardenas*

*11:40-12:00      Linking Financial Instruments with Mitigation*

*Charles Scawthorn*

*12:00-12:20      Using Index-Based Risk Transfer Mechanisms in Developing Countries*

*Hector Ibarrapando*

*12:20-12:40      Pro-Active Development Assistance: New Ideas for Financing Disaster Recovery*

*Joanne Linnerooth-Bayer*

*12:40-13:05      Discussion*

*13:05-14:30      Lunch*

### **14:30-15:45      Session B: Pro-Active Education and Training**

*Chair: Charles Scawthorn*

*14:30-14:45      The World Bank Institute Comprehensive Disaster Risk Management Learning Program*

*Katalin Demeter*

*14:45-15:00      Video Tools for Community-Level Disaster Risk Reduction: Developing Awareness and Training Through Audiovisual Media*

*Pablo Suarez*

*15:00-15:15      About The Last-Mile Program for Disaster Risk Reduction Education in Algeria*

*Djillali Benouar*

*15:15-15:30      Moving Towards Integrated Disaster Risk Management: Conclusions from the EE-21C (Earthquake Engineering in the 21st Century Conference)*

*M. Garevski*

*15:30-15:45      Discussion*

*15:45-16:00      Coffee break*

- 16:00-17:45 The Case Stations and Field Campuses for IDRiM**  
**Chair: Adrian Gheorghe**
- 16:00-17:00 Enhancing the Effectiveness of Integrated Disaster Risk Management:  
 The Role of Case Stations and Field Campuses  
**Norio Okada, Pei-jun Shi, Chennat Gopalakrishnan , Rajib Shaw and Charles Scawthorn**
- 17:00-17:20 Status Quo of Case-Station and Field-Campus in Japan:  
 Osaka University and KOBE since 1995  
**Tomohide Atsumi & Mashiho Suga**

**17:20-17:45 Discussion and Closure**

**Saturday, 17 September**

- 08:30-18:30 IDRiM Methodology, Models and Tools**  
**Chair: Hirokazu Tatano and Chongfu Huang**
- 08:30-08:45 A Trapezoid Framework for Integrated Risk Management to Frightful  
 Catastrophes  
**Chongfu Huang**
- 08:45-09:00 Decision Support Tools for Managing Rising Disaster Risk: A Survey  
**Keping Chen**
- 09:00-09:15 Spatial Temporal GIS with Multi Language Basis as a Common Platform for  
 Disaster Information Management . Applying ST-GIS to Recovery Process  
 of Local Government After Niigata-Chuetsu Earthquake  
**Shigeru Kakumoto et al**
- 09:15-09:30 Discussion**
- 09:30-10:00 *Coffee Break*

## 10:00-12:00 Parallel Sessions for Young Scientists

<b>Session A:</b>	<b>Session B:</b>
<b>Building Disaster Coping Capacity in Society</b> <b>Chair: Chongfu Huang</b> <b>Co-Chair: Tomohide Atsumi</b>	<b>Disaster Risk Management</b> <b>Chair: Hirokazu Tatano</b> <b>Co-Chair: Keping Chen</b>
<i>10:00-10:20</i> Capability of Urban Diagnostic Survey for Community Preparedness and Disaster Risk Management <b>Yoko Matsuda, Norio Okada</b>	<i>10:00-10:20</i> Progress and Expectation on Flood Risk Analysis <b>Dong Wang, Shaoming Pan, Jichun Wu, Qingping Zhu</b>
<i>10:20-10:40</i> Status Quo of Case-Station and Field-Campus in Japan—A Case of Niigata Chuetsu and Osaka University <b>Yoshihiro Seki, Tomohide Atsumi</b>	<i>10:20-10:40</i> Optimizing Financial Strategies for Governments against the Economic Impacts of Natural Disasters in Developing Countries <b>Stefan Hochrainer, Georg Pflug</b>
<i>10:40-11:00</i> Opportunities, Barriers and Challenges for Implementing Electronic Data and Information Sharing Frameworks in Organizational Response to Natural Disasters <b>André Dantas, Erica Dalziel</b>	<i>10:40-11:00</i> An Analysis of Economic Impacts from the 2004 Niigata-Chuetsu Earthquake <b>Satoshi Tsuchiya, H. Tatano, N. Okada</b>
<i>11:00-11:20</i> Consensus-Based Reconstruction of Flood Risk Culture as a Mitigation Tool <b>Xiaomeng Shen, Bastien Affeltranger</b>	<i>11:00-11:20</i> Developing Community Safety Maps for Urban Diagnosis <b>Wei Xu, Norio Okada, Michinori Hatayama</b>
<i>11:20-11:40</i> The Q-Methodology Approach to Characterization of the Attitudes and Behaviors toward Furniture Nailing for Earthquake Preparedness: Case Study of Nagoya, Japan <b>Robert Bajek, Norio Okada</b>	<i>11:20-11:40</i> Development of Earthquake Risk Management in China <b>Zhengru Tao, Xiixin Tao</b>
<i>11:40-12:00</i> Modeling Multi-Actor Decision Process in Conflict Situation: A case of Community Disaster Risk Mitigation in Ichinose Community, Tottori Prefecture, Japan <b>Suman Ranjan Sensarma, Norio Okada</b>	<i>11:40-12:00</i> Natural Disaster Risk Reduction in Coupled Social Ecological System: Challenges for Mainstreaming <b>Guoyi Han</b>

12:00-13:00 *Lunch*

**13:00-15:00 POSTER SESSION B (for Young Scientists)**

15:00-15:30 *Coffee Break*

15:30–17:30 Next Step of IDRiM Studies and Roles of NEXUS Young Scientists  
**Organizer: Muneta Yokomatsu**

**Sunday, 18 September**

**10:00-12:00**     **NEXUS-IDRiM Initiative: Round Table Discussion**  
*Chair: Norio Okada*

1. NEXUS-IDRiM Charter and Membership Rules
2. NEXUS-IDRiM Website and E-colloquium Services
3. Case Stations-Field Campus Implementation Strategies (Lunched and Candidate Regional Clusters)
4. NEXUS Annual Gathering Possibilities including Where and When to Meet Next

12:00-14:00     *Lunch*

14:00            Closed

## Information for Presenters

### Registration

#### Registration fee

- International participants: **US\$ 300** (for students US\$ 150), which includes expenses of meals during the forum.
- Participants from Mainland, Hong Kong, Macao, Taiwan of China: **RMB 800 Yuan**

The registration fee will cover the entire registration package (colloquium program brochure, abstract volume, and during the entire forum).

**Payment Method:** You can pay your registration fee either in cash or travel check.

### Hotel Check in

All participants are required to check in/out by him/ herself.

### Oral Contributed Papers and Special Sessions

Presenters are encouraged to bring their presentations as Microsoft Powerpoint 2000/2003 on CD's memory sticks or cash disk. Files should be copied directly onto designated computers at the office at the 2<sup>nd</sup> floor of Yingdong Conference Hall, BNU, and reviewed the afternoon or evening before the presentation is scheduled. Files should be appropriately labeled with the last name of the senior author (as listed in the program), the day of the presentation for example, Shi-14. We hope in this way to avoid last-minute problems with the software and to keep the sessions on time.

To keep the forum on schedule, it is important that presenters stay within her/his allotted time. Session moderators are asked to let presenters know when 2 minutes remain and to ask presenters to stop when their time is complete. All forum participants will appreciate cooperation of presenters in keeping to the printed schedule.

### Poster Session

Posters (90cm width×120cm height for one poster) can be pinned hung in the lobby of Yingdong Conference Hall, BNU. All posters are required to be printed in advance and brought to our forum. Local committees do not offer any printing service. Poster A can be hung from Wednesday afternoon September 14<sup>th</sup> and will be available for viewing until Friday afternoon September 16<sup>th</sup> (5PM). Poster B can be hung from Friday afternoon, September 16<sup>th</sup> and will be available for viewing until Sunday morning September 18<sup>th</sup> (11AM). Two receptions will be held Friday afternoon (4-5PM) and Sunday morning (10-11AM), respectively, for participants to view posters and talk with presenters. Poster presenters are asked to be available near their posters during this time.

The forum will provide pin, tape, copying, any form of inquiries, and refreshments provided in staff rooms at no cost.

## Best Paper from Young Scientists

The **Scientist Committee** will select the winner of the best paper Award according to the Evaluation Criteria concerning the originality, technical strength and presentation. Only the papers that are clearly marked in the submissions are considered to be the candidates of the best paper. The candidates are not older than 35 years old.

The **Organization Committee** will prepare a remembrance to each best paper that will be selected after the sessions of Young Scientists on 17th.

## **NIED & BNU Joint Workshop**

### **Flood Risk Management in Japan and China**

**Date and Time:** September 15, 2005, 10:50-13:30

**Venue:** Second Conference Room, YingDong Conference Hall, BNU

**Organizers & Chairs:** *Prof. Saburo Ikeda (NIED) and*

*Prof. Jin Chen (Beijing Normal University)*

**Purposes:** To exchange state-of-the-art research and development in flood risk management in Japan and China, and to establish a framework for integrated flood risk management

<b>Program</b>	
<b>10:50-10:55</b>	<b>Opening Remarks</b> <i>Prof. Ikeda and Prof. Chen</i>
<b>10:55-11:15</b>	<b>NIED Project I, Integrated Flood Risk Management and PAFRICS System Development</b> <i>T. Sato, Y. Takeuchi, T. Fukuzono, and S. Shimokaw</i>
<b>11:15-11:35</b>	<b>NIED Project II: Risk Governance in Regional Society Enhanced by Information Communication Technology</b> <i>T. Nagasaka, K. Seo, and S. Ikeda</i>
<b>11:35-11:55</b>	<b>NIED Project III: Evaluating Flood Risk Reduction Measures with Conjoint Analysis Method</b> <i>G. Zhai, T. Fukuzono, and S. Ikeda</i>
<b>11:55-12:05</b>	Break
<b>12:05-12:25</b>	<b>NIED Project IV: Relief Activities and Perspectives of Disaster NPOs in Japan</b> <i>I. Suzuki, T. Nagasaka, and T. Sato</i>
<b>12:25-12:45</b>	<b>BNU Project I: Flood Monitoring in China By Remote Sensing Technology</b> <i>J. Li, Y.H. Chen and A.D. Gong</i>
<b>12:45-13:05</b>	<b>BNU Project II: Flood Risk Assessment in Urban and Rural Areas in China</b> <i>J.A Wang, J. Wang, T. Ye , Y. Ge., Y. G. Tian, W.D.Nie, J.Liu. J.Zheng, P.J Shi</i>
<b>13:05-13:30</b>	<b>Discussion and Closure: Towards Cooperation in the Future</b> <i>Prof. Shi and Prof. Ikeda</i>

## Dongting Lake Investigation

**Date:** Sept. 11-13, 2005

**Purposes:** To investigate the environmental damage caused by flood disaster in 1998 and defensive response in the region, and to establish a framework for integrated flood risk management for case station of field campus.

### Membership

**Prof. Shi Peijun** Institute of Disaster and Public Security, Beijing Normal University, **China**  
**Assoc. Prof. Li Ning** Institute of Disaster and Public Security, Beijing Normal University, **China**  
**Mr. Nie Wendong** PICC Hunan Branch, China  
**Dr. Candidate. Tian Yugang**  
Institute of Disaster and Public Security, Beijing Normal University, **China**

### Group 1

**Prof.OKADA Norio** Research Center for Disaster Reduction Systems,Disaster Prevention Research Institute, Kyoto University, **Japan**  
**Prof.NAKAKITA Eiichi** Division of Atmospheric and Hydrospheric Disasters, Disaster Prevention Research Institute, Kyoto University **Japan**  
**Dr.Eng.TAKAGI Akiyoshi** Associate Professor, Department of Civil Engineering,Gifu University, **Japan**  
**Dr. Mechler REINHARD** Risk, Modeling and Society,IIASA - International Institute for Applied Systems Analysis, **Austria**.  
**Dr. Candidate XU Wei** Research Center for Disaster Reduction Systems,Disaster Prevention Research Institute, Kyoto University, **Japan**

### Group 2

**Prof. IKEDA Saburo** National Research Institute for Earth Science and Disaster Prevention,University of Tsukuba,**Japan**  
**Mr. FUKUZONO Teruki** National Research Institute for Earth Science and Disaster Prevention (NIED),University of Tsukuba,**Japan**  
**Ms. SATO Teruko** National Research Institute for Earth Science and Disaster Prevention (NIED),**Japan**  
**Mr. SUZUKI Isamu** National Research Institute for Earth Science and Disaster revention(NIED),University of Tsukuba,**Japan**  
**Ms.UTSUKI Yukiko** National Research Institute for Earth Science and Disaster Prevention (NIED), **Japan**  
**Dr. ZHAI Guofang** National Research Institute for Earth Science and Disaster Prevention (NIED), **Japan**

## Service

### Meals and Accommodation

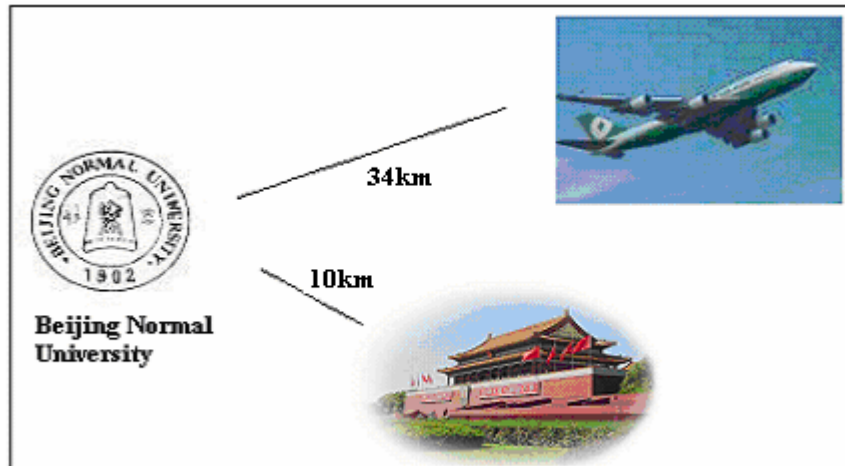
- **Invitee:** meals and accommodation will be in International Academic Exchange Center, dine on 8F in International Academic Exchange Center during the forum period (Buffet service), the expenses will be covered by BNU during the forum period. The BNU will cover the international travel expenses from professional address to BNU for them. However, it does not include the room service (International Direct Dial Telephone, Satellite/Cable Television, Electronic Safe, Mini-bar, In-house Movie Channels, etc.), service fees and any form of medications. BNU. Also, beyond the period of the forum, any expenses will not be covered by BNU. If tickets were bought by invitee themselves, the appropriate amount of reimbursement will be made in RMB according to the price shown on the invoice of the plane ticket based on the rate at the reimbursed day.

For participants who will stay in International Academic Exchange Center for IRGC, the expenses of accommodation from Sept 18-21 and the expenses of meals from 18-19 were covered by BNU. A bus from BNU to venue of IRGC (Beijing Hotel) is provided by BNU.

- **International participants:** accommodation will be chosen where they wish to stay; meals will be in Lanhui Hotel. The expenses of meals in Lanhui Hotel are covered by their own registration fee. If help is needed, the BNU staff will be glad to offer their help.
- **Participants from Hongkong, Macao and Taiwan, China:** accommodation will be chosen where they wish to stay; meals will be in Lanhui Hotel. The expenses will not be covered by BNU. However if help is needed, the BNU staff will be glad to offer their help.
- **Participants from Mainland of China:** they will choose where they wish to stay and dine; the expenses will not be covered by BNU. However if help is needed, the BNU staff will be glad to offer their help.

## Transportation

Beijing Normal University is situated in the northwest of Beijing city, on the west of Xijiekouwai Street. It is about 34km from the airport and 10 km far from the Tian'anmen Square.



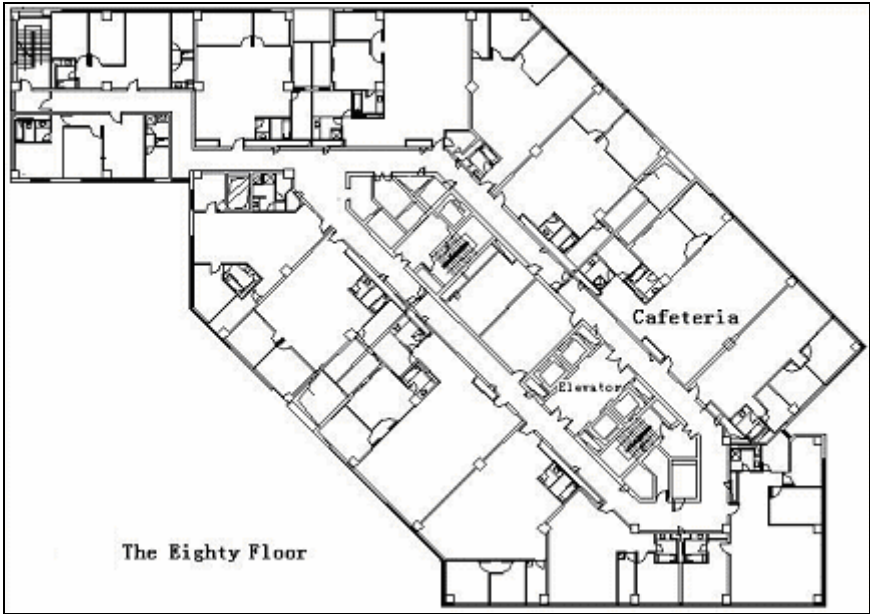
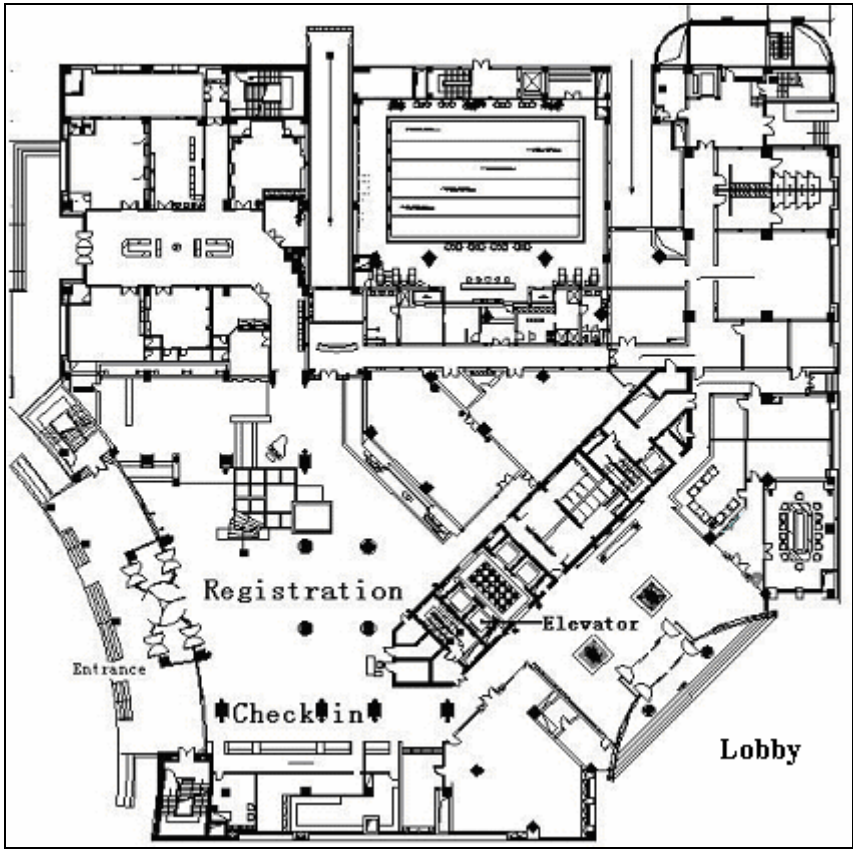
The Taxi fee from the airport to Beijing Normal University is about 80 RMB Yuan. The airport bus fee from the airport to Beitaipingzhuang is 16 RMB Yuan. and then the taxi fee from Beitaipingzhuang to Beijing Normal University is 10 RMB.

The pick up and drop off at the airport for invitee.

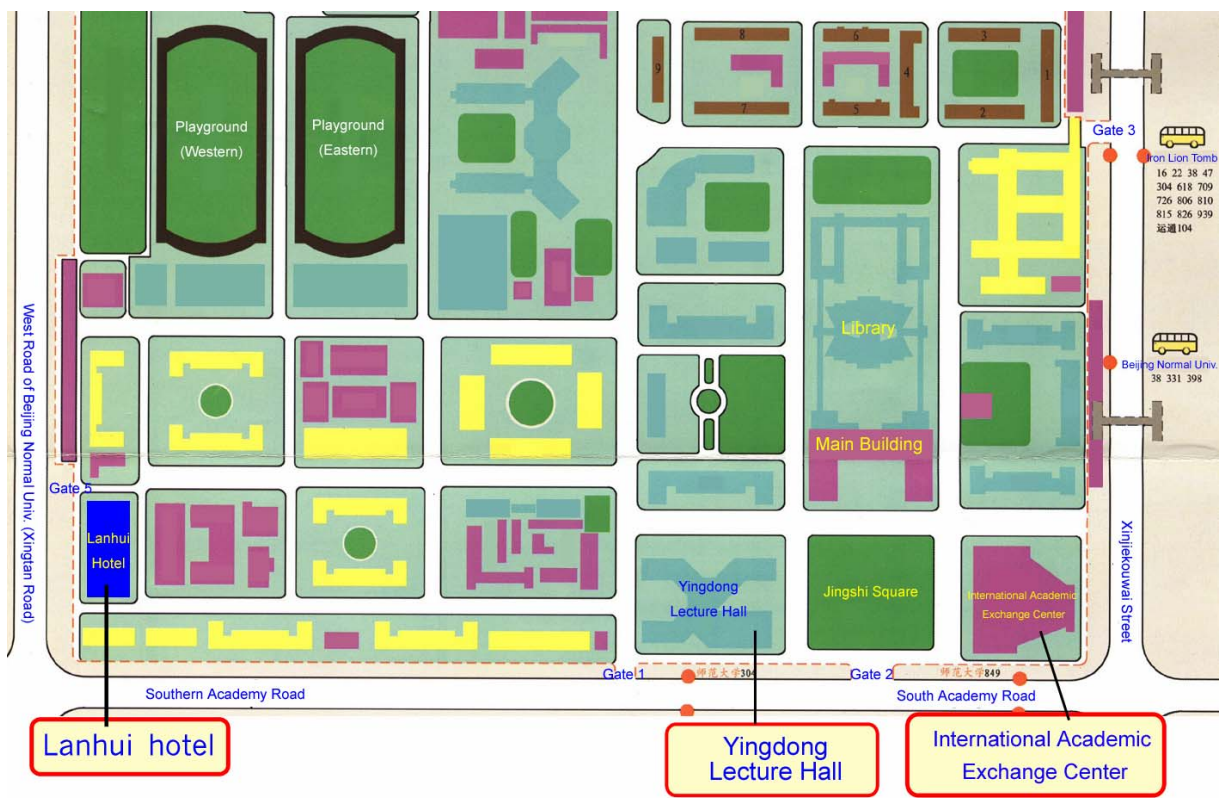
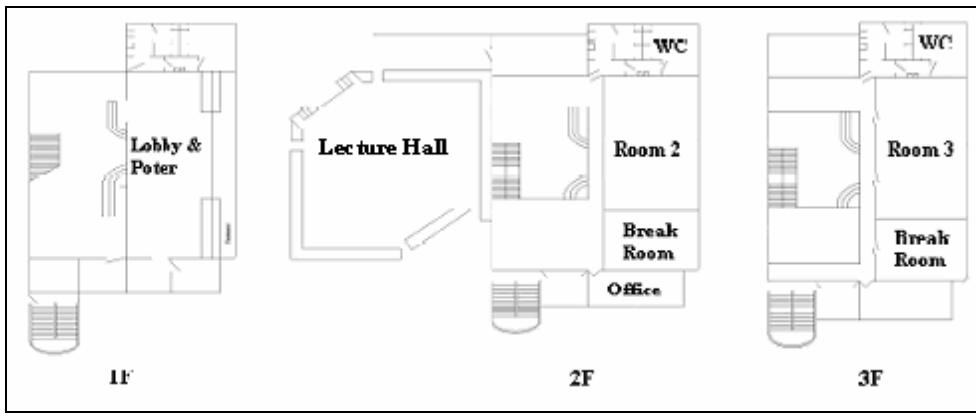
## Currency

When paying any form of fees, invited foreign experts may use their own currency if they wish. The price in RMB will be calculated according to the rate of the currency used on that day, and may be paid in that currency.

Map of Hotel  
International Academic Exchange Center, BNU



## Map of Yingdong Conference Hall, BNU



## Map of Beijing Normal University

College of Resources Science and Technology, Beijing Normal University  
 No.19, Xijiekouwai Street, Beijing, People's Republic of China, 100875  
 Tel: 86-10-58808179, Fax: 86-10-58802158