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International Strategy for  
Disaster Reduction



# *Cooperative Actions for Disaster Risk Reduction (CADRR)*

*ISWE4, March 4 - 6, 2009*

**U-Thant International Conference Hall & Elizabeth Rose Conference Hall  
UN University, Tokyo, Japan**

*TPU Global COE Program, MEXT*

**Co-organized by IAWE, UNU, UN/ISDR, ADRC and TPU**

## **PROGRAM**

**March 4 (Wednesday)**

*U-Thant International Conference Hall*

**08:30 - 09:00** Registration

**09:00 - 09:40** Opening Ceremony (Chaired by Shuyang Cao)

09:00 - 09:10 Welcome Address: **Yukio Tamura (IAWE President/ TPU Global COE Director)**

09:10 - 09:20 Opening Address: **Konrad Osterwalder (Rector, UN University)**

09:20 - 09:30 Opening Address: **Naoto Tajiri (Director for Disaster Preparedness, Public Relations and International Cooperation, Cabinet Office, Government of Japan)**

09:30 - 09:40 Opening Address: **Noritake Nishide (Director, Planning Division, Japan Meteorological Agency)**

**09:40 - 10:40** Keynote Session (Chaired by Srikantha Herath)

09:40 - 10:10 **Giovanni Solari (University of Genova, IAWE Ex-President)**

10:10 - 10:40 **Salvano Briceno (Director, UN/ISDR)**

10:40 - 11:00 Coffee Break

**11:00 - 12:20** Trends and Statistics of Hazards 1 (Chaired by Timothy Reinhold)

11:00 - 11:20 **Trends in Disaster Losses: Claudia Buholzer Rosenkranz (Munich Re.)**

11:20 - 11:40 **Tornados/Severe Local Storms: Thomas Schmidlin (Kent State University)**

11:40 - 12:00 **Heavy Rains/Floods: Soontak Lee (Yeungnam University, Korea)**

12:00 - 12:20 **Storm Surges/Tsunami: Fumihiko Imamura (Tohoku University)**

12:20 - 13:30 Lunch Break

**13:30 - 15:10** Trends and Statistics of Hazards 2 (Chaired by Yuichi Ono)

13:30 - 13:50 **Earthquakes: Kimiro Meguro (IIS, Japan)**

13:50 - 14:10 **Landslides: Dwikorita Karnawati (Gadjah Mada University)**

14:10 - 14:30 **Heat-wave: Joe Golden (NOAA)**

14:30 - 14:50 **Fire: Hiroshi Hayasaka (Hokkaido University)**

14:50 - 15:10 **Trends of Meteorological Hazard: Geoffrey Love (WMO)**

15:10 - 15:30 Coffee Break

**15:30 - 17:10** Recent Devastating Disasters (Chaired by Thomas Schmidlin)

15:30 - 15:50 **Tsunami in Indian Ocean, Dec 26, 2004: Teddy Boen (Indonesia)**

15:50 - 16:10 **Hurricane Katrina in the US, 2005: Timothy Reinhold (Vice President, Institute for Business & Home Safety)**

16:10 - 16:30 **Cyclone Sidr in Bangladesh, Nov 15, 2007: Tai-ichi Hayashi (Kyoto University)**

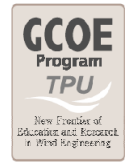
16:30 - 16:50 **Cyclone Nargis in Myanmar, May 2, 2008: U Win Zaw (Ministry of Construction, Myanmar)**

16:50 - 17:10 **Wenchuan Earthquake in China, May 12, 2008: Zifa Wang (Director, Institute of Engineering Mechanics, China Earthquake Administration)**

**18:00 - 20:00** Symposium Dinner



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**March 5 (Thursday)**

***U-Thant International Conference Hall***

**08:30 - 09:00 Registration**

**09:00 - 10:20 Disaster Risk Reduction Activities 1 (Chaired by Ted Stathopoulos)**

09:00 - 09:20 **Activities in World Meteorological Organization: Geoffrey Love (WMO)**

09:20 - 09:40 **Activities in UN University: Srikantha Herath (UN University)**

09:40 - 10:00 **Activities in ADRC: Etsuko Tsunozaki (ADRC)**

10:00 - 10:20 **Activities in International Center for Water Hazard and Risk Management, PWRI: Amithirigala W. Jayawardena (ICHARM)**

10:20 - 10:40 Coffee Break

**10:40 - 12:00 Disaster Risk Reduction Activities 2 (Chaired by Amithirigala W. Jayawardena)**

10:40 - 11:00 **EVO and GCOE Program: Ahsan Kareem (University of Notre Dame)**

11:00 - 11:20 **Wall of Wind Project: Forrest Masters (University of Florida)**

11:20 - 11:40 **European COST ACTION C26 on Urban Habitat Constructions under Catastrophic Events: Ted Stathopoulos (Concordia University)**

11:40 - 12:00 **Wind Disasters and Mitigation Activities in India: Prem Krishna (IIT Roorkee)**

12:00 - 13:20 Lunch Break

**13:20 - 14:40 Recovery/Construction and Others (Chaired by Etsuko Tsunozaki)**

13:20 - 13:40 **Financial Instruments : Haresh Shah (Founder, RMS)**

13:40 - 14:00 **Role of ODA and JICA : Noriaki Nagatomo (JICA)**

14:00 - 14:20 **Earth Observations and Forecasting in Disaster Reduction -GEOSS: Ryosuke Shibasaki (University of Tokyo)**

14:20 - 14:40 **Community Programs: Muhammad Saidur Rahman (Director, Bangladesh Disaster Preparedness Center)**

14:40 - 15:00 Coffee Break

**15:00 - 17:00 Panel Discussions for Cooperative Actions moderated by Kishor Mehta (TTU)**

15:00 - 15:15 **Climate Change and Wind: Gabriel A. Vecchi (NOAA/Geophysical Fluid Dynamics Laboratory)**

15:15 - 15:30 **Multi-disciplinary Collaboration in Disaster Management: Tsuneo Katayama (President, International Association for Earthquake Engineering)**

15:30 - 15:45 **Idea to Establish Thematic Platform on Wind-related Disasters linked with ISDR System: Yuichi Ono (UN/ISDR)**

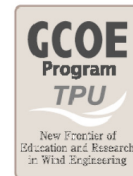
15:45 - 17:00 **Discussions (IAWE, UN/ISDR, UNU, UN/HABITAT, ICHARM, ADRC, WMO, IAEE ) and Resolutions**



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## PROGRAM

**March 6 (Friday)**

*Elizabeth Rose Conference Hall*

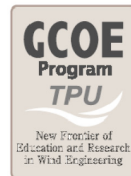
- 08:30 - 09:00** Registration
- 09:00 - 10:30** Disaster Management 1 (Chaired by Joseph H. Golden)
- 09:00 - 09:15 Institutional capacity enhancement in disaster management - A good practice in Sri Lanka -  
**Ryo Matsumaru (IRM Ltd., Japan), Yoshihiko Uchikura, Yoshihiro Motoki, Miki Kodama, Koji Suzuki, Miki Inaoka**
- 09:15 - 09:30 A Study on the Risk Management System in Indonesia  
**Bambang Rudyanto (Wako University, Japan)**
- 09:30 - 09:45 The mainly private rescue system in Thailand: To consider the private rescue system from the Thai point of view compares it to the Japanese crisis management in foreign countries  
**Mitsuteru Nakayama (Kyoto University Career Support Centre, Japan)**
- 09:45 - 10:00 Need for the Cooperative Actions from the Viewpoints of natural disasters and bioclimatological events - An Example of Impact of SARS in China in 2003 -  
**Masatoshi Yoshino (United Nations University, Japan), Takashi Yamamoto**
- 10:00 - 10:15 Bio terrorism - Malaysian perspective and preparedness  
**Andrin Raj (Japan institute for international affairs, Japan)**
- 10:15 - 10:30 The importance of handling asbestos emission in a disaster  
**Hitomi Hashimoto (Kobe University, Japan)**
- 10:30 - 10:45 Coffee Break
- 10:45 - 12:15** Disaster Management 2 and Damage and Analysis 1 (Chaired by Michael Kasperski)
- 10:45 - 11:00 Addressing disaster risk reduction through livelihood analysis  
**Bam HN Razafindrabe (Kyoto University, Japan), Rajib Shaw**
- 11:00 - 11:15 Understanding fishery livelihood security to better address climate change adaptation in Chilika Lagoon of India  
**Shimpei Iwasaki (Kyoto University, Japan)**
- 11:15 - 11:30 Increasing hot days and the threat of heat disorder  
**Koshiba Atsushi (Kumagaya local meteorological observatory, Kumagaya, Japan)**
- 11:30 - 11:45 The cost of not mitigating climate change : Evidence from Japan  
**Christian Webersik (United Nations University, Japan)**
- 11:45 - 12:00 Link up School Earthquake Safety with Disaster Education  
**Shoichi Ando (UNCRD Hyogo Office, Japan)**
- 12:00 - 12:20 Damage of electrical power system caused by natural disasters in China-- Part 1: Severe wind storms  
**Qiang Xie (Tongji University, China), Liang Zhao**
- Damage of electrical power system caused by natural disasters in China-- Part 2: Wenchuan Earthquake, May 12, 2008  
**Yafei Wang (Tongji University, China), Qiang Xie**
- Damage of electrical power system caused by natural disasters in China-- Part 3: Ice disasters in south part of China, 2008  
**Chengyong Yan (Tongji University, China), Qiang Xie**
- 12:20 - 13:30 Lunch Break
- 13:30 - 15:00** Damage and Analysis 2 (Chaired by Chris Baker)
- 13:30 - 13:45 Need and Importance of Proactive Policies for Disaster Management in Nepal  
**Meen B. Poudyal Chhetri (Nepal Center for Disaster Management (NCDM), Nepal)**



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- 13:45 - 14:00 **Disaster Reduction Hyperbase - Asian Application ( DRH- Asia )  
- A Knowledge Base of Implementation Technology -  
Hiroyuki Kameda (Kyoto University, Japan)**
- 14:00 - 14:15 **Structural Health Assessment after Major Hazards  
Achintya Haldar (University of Arizona, U.S.A.)**
- 14:15 - 14:30 **A new approach to the specification of the design wind speed  
Michael Kasperski (Ruhr-University Bochum, Germany)**
- 14:30 - 14:45 **An Appropriate Procedure to Improve the Basic Wind Speed Map for Use in Building  
Design in Vietnam  
Le Truong Giang (Vietnam Institute for Building Science and Technology, Vietnam),  
Yukio Tamura, Masahiro Matsui**
- 14:45 - 15:00 **Evaluation of hurricane mitigation hypotheses through an interactive program of  
observational analyses and numerical simulations  
Joseph H. Golden (CIRES/NOAA-U. of Colorado, USA)**
- 15:00 - 15:15 Coffee Break
- 15:15 - 17:45 Damage and Analysis 3 (Chaired by Hiromasa Kawai)**
- 15:15 - 15:30 **Structural Damage Caused by Local Winds Associated with Typhoon Tokage (0423)  
Mayumi Fujimura (Kyushu University, Japan), Eriko Tomokiyo, Junji Maeda**
- 15:30 - 15:45 **Correlation between Wind Speeds and Residential Damage in Kyushu, Japan due to  
Typhoons  
Eriko Tomokiyo (Kyushu University, Japan), Junji Maeda**
- 15:45 - 16:00 **Wind-induced train accident and its reduction  
Tatsuo Maeda (Railway Technical Research Institute, Japan), Masaru Matsumoto**
- 16:00 - 16:15 **Research on wind damage to low-rise steel building  
Yang Qingshan (Beijing Jiaotong University, China), Jin Yufen**
- 16:15 - 16:30 **Assessment of typhoon fragility for industrial buildings using a probabilistic model  
Hee J. Ham (Kangwon National University, Korea), Sungsu Lee**
- 16:30 - 16:45 **Statistical approaches to typhoon risk assessment  
Sungsu Lee (Chungbuk National University, Korea), Dong Hyun Lee, Tae Sung Chung**
- 16:45 - 17:00 **Wind Hazard over Jeju Island  
Sungsu Lee (Chungbuk National University, Korea), Young Kyu Lee**
- 17:00 - 17:15 **Disaster induced business vulnerabilities : The case of Zafarganj village in Bangladesh  
Aftab Khan (Graduate Institute of International and Development Studies  
Geneva, Switzerland)**
- 17:15 - 17:30 **Heat Wave and Bush Fires in South East Australia  
John Cheung (The University of Adelaide, Australia)**
- 17:30 - 17:35 Closing Ceremony (Chaired by Shuyang Cao)  
Ahsan Kareem (University of Notre Dame, IAWE EB Member, Global COE Partner)**