The Tenth International Symposium on
Mitigation of Geo-disasters in Asia

Kyoto Conference Proceedings
7 October 2012

Organized by
Department of Geoscience, Shimane University, Japan
Disaster Prevention Research Institute, Kyoto University, Japan
School of Environmental Design, Kanazawa University, Japan

Sponsored by
College of Geol. Engr. & Geomatics, Chang’an University
Dept. Civil Engr., Kunming Science & Technology University
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# Program of Kyoto Symposium

The Tenth International Symposium on Mitigation of Geo-disasters in Asia

Place: Uji Campus, Kyoto University  
Date: 7 October 2012

<table>
<thead>
<tr>
<th>Time</th>
<th>Agenda</th>
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| 08:45 – 10:00 | Invited Lecture (Comprehensive Research Bldg.)  
**Chairpersons: Masakatsu Miyajima** |
| 8:45 – 9:20 | Long-term management of Kosi River Basin  
Balmukunda Regmi |
| 9:20-10:00  | The Application of Monitoring and Early Warning System of Rainfall-triggered Debris Flow at Merapi Volcano, Central Java, Indonesia  
Faisal Fathani |
| 10:00 – 10:15 | Coffee Break                                                                                     |
| **Room A** |                                                                                               |
| 10:15 – 10:30 | Assessment Social Impact of debris flow disaster by Social Vulnerability Index  
**Ko-Fei Liu, Hsin-Chi Lee, Ying-Hsin Wu** |
| 10:30 – 10:45 | The effect of moisture content on the shearing strength of loess  
**Xianli Xing** |
| 10:45 – 11:00 | Cut layer rocky landslide development mech. in Lesser Mt. Khingan  
**Hua Jiang, Zhaoguang Hu, Ying Guo, Chunjiao Wang, Wei Shan** |
| 11:00 – 11:15 | Coffee Break                                                                                     |
| 11:15 – 12:00 | Presentation, Chairperson: **Netra Prakash Bhandary**                                       |
| 11:15 – 11:30 | In-situ Observation on Rainfall Infiltration in Loess  
**Ping Li** |
| 11:30 – 11:45 | Influence of reservoir water level variation on slope in lab. flume test  
**Hufeng Yang, Fawu Wang** |
| 11:45 – 12:00 | A loess landslide caused by annual water leaking in winter  
**Changliang Zhang** |
| **Room B** |                                                                                               |
| 10:15 – 11:00 | Presentation, Chairperson: **Tonglu Li**                                                        |
| 10:15 – 10:30 | Investigation of earthquake-rainfall triggered landslide in Tandikat, West Sumatra, Indonesia  
**Fikri Faris, Fawu Wang, Faisal Fathani** |
| 10:30 – 10:45 | Comparison between FLO-2D and DEBRIS-2D on the application of assessment of debris flow hazards  
**Ko-Fei Liu, Ying-Hsin Wu** |
| 10:45 – 11:00 | Seepage properties of the loess under different consolidation pressures  
**Xiaoyan Lin** |
| 11:00 – 11:15 | Coffee Break                                                                                     |
| 11:15 – 12:00 | Presentation, Chairperson: **Ranjan Kumar Dahal**                                              |
| 11:15 – 11:30 | Experimental and numerical analysis of mechanical interaction of masonry bricks and mortar  
**Reza Amiraslanzadeh, En Lin, Toshikazu Ikemoto, Masakatsu Miyajima** |
| 11:30 – 11:45 | Experimental study on landslide dam-break due to internal erosion and piping using monitoring sensors  
**Austin Chukwueloka Okeke, Fawu Wang, Yasuhiro Mitani, Yohei Kuwada** |
| 11:45 – 12:00 | The reliability analysis of the loess slope near the Shuidonggou landslide  
**Lijuan Huang** |
| 12:00 – 12:15 | Landslide Problem along highway of Central Vietnam  
**Ngoc Ha Do, Fawu Wang, Kyoji Sassa** |