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



## Matsue Conference Proceedings

8 October 2012

### Organized by

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



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## Program of Matsue Symposium

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

Place: Shimane Civil Center, Matsue (島根県民会館)

Date: 8 October 2012

Time	Agenda
<b>09:00 – 09:30</b>	<b>Opening Ceremony</b>
	<ul style="list-style-type: none"> <li>➤ <b>Welcome Speech by Prof. J. Takeuchi, the Vice President of Shimane University</b></li> <li>➤ <b>Speech by Prof. emeritus M. Kitaura, the first main organizer of the symposium of MGDA</b></li> <li>➤ <b>Awarding Ceremony of the Appreciation Awards</b></li> <li>➤ <b>Introduction of the Main guests and participants</b></li> </ul>
<b>09:30 – 11:50 Keynote Speech (Room: Main Conference Room)</b> <b>Chairpersons: Tetsuya Sakai, Balmukunda Regmi</b>	
09:30 – 10:05	Some interesting geo-sites in Shimane Prefecture, Japan <a href="#">Prof. emeritus Y. Sawada (Shimane University, Japan)</a>
10:05 – 10:40	Observations on landslides movements in residential slopes induced by the 2011 off the Pacific coast of Tohoku Earthquake <a href="#">Prof. T. Kamai (Kyoto University, Japan)</a>
10:40 – 11:15	Large scale simulation of watershed mass transport - A case study of Tseng-Wen Watershed <a href="#">Ko-Fei Liu, Yi-Chin Chen, Ying-Hsin Wu (National Taiwan University)</a>
11:15 – 11:50	Damage by the 2011 Great East Japan earthquake and tsunami <a href="#">Prof. M. Miyajima (Kanazawa University, Japan)</a>
11:50 – 13:00	Lunch Break
<b>13:00 – 14:10 Keynote Speech (Room: Main Conference Room)</b> <b>Chairpersons: Faisal Fathani</b>	
13:00 – 13:35	The tectonic, climatic cycles and the geological disasters on the Chinese Loess Plateau <a href="#">Prof. Tonglu Li (Chang'an University, China)</a>
13:35 – 14:10	Geo-disaster and its mitigation in Nepal <a href="#">Prof. Ranjan Kumar Dahal (Tribhuvan University, Nepal)</a>
14:10 – 14:20	Coffee Break
Room:	14:20 – 16:35 <b>Presentation</b>
	<b>Chairpersons: Masaho Yoshida, Yahong Deng</b>
14:20 – 14:35	Relationship between damage of levee and its resonant frequency in Shinano River subjected to Niigata Chuetsu Earthquake in 2004 <a href="#">T. Takahara, T. Sugimoto</a>

A (Main conference room)	14:35 – 14:50	Estimation of the most suitable window size of slope relief for the assessing scale of landslides due to the earthquake <a href="#">N. Takezawa</a> , <a href="#">T. Uchida</a> , <a href="#">T. Ishiduka</a> , <a href="#">S. Honma</a> , <a href="#">Y. Kobayashi</a>
	14:50 – 15:05	The inverse analysis of strength parameter in Shanxi Jijiayuan cutting loess slope <a href="#">Yu Xi</a>
	15:05 – 15:20	Microtremor measurement-based prediction of ground shaking in Kathmandu Valley of Nepal <a href="#">Netra Prakash Bhandary</a>
	15:20 – 15:35	Simple demonstration models of geotechnical engineering <a href="#">Shunitsu Fujii</a> , <a href="#">Ryuta Saito</a>
	15:35 – 15:50	Coffee Break
	<b>Chairpersons:</b> <a href="#">Shih-Chung Kang</a> , <a href="#">Yongzhi Wang</a>	
	15:50 – 16:05	Proposal of liquefaction countermeasure technique by log piling for residential houses <a href="#">Masaho Yoshida</a> , <a href="#">Masakatsu Miyajima</a> , <a href="#">Atsunori Numata</a>
	16:05 – 16:20	Evidence of rapid evolution of a submarine debris flow from a turbidity current on slope: an example from the Miocene Ushigiri Formation, Shimane, Japan <a href="#">T. Sakai</a> , <a href="#">M. Maruyama</a>
16:20 – 16:35	Experimental study of submarine landslides -Motion mechanism and impact force to cable- <a href="#">Yohei Kuwada</a> , <a href="#">Fawu Wang</a> , <a href="#">Mitsuki Honda</a> , <a href="#">Tomokazu Sonoyama</a>	
B (Room 303)	<b>Chairpersons:</b> <a href="#">Kensaku Matsumoto</a> , <a href="#">Changliang Zhang</a>	
	14:20 – 14:35	Lesson Learned Center for Disaster Prevention and Management <a href="#">Shih-Chung Kang</a> , <a href="#">Chao-Chung Yang</a> , <a href="#">Ruei-Shiue Shiu</a> , <a href="#">Jihn-Sung Lai</a>
	14:35 – 14:50	Mechanism and Stability Assessment of The Niujiagou Landslide, Shaanxi. China <a href="#">Yongzhi Wang</a>
	14:50 – 15:05	Mechanism of permafrost landslide based on GPS and resistivity surveying <a href="#">Wei Shan</a> , <a href="#">Zhaoguang Hu</a> , <a href="#">Hua Jiang</a> , <a href="#">Ying Guo</a> , <a href="#">Chunjiao Wang</a>
	15:05 – 15:20	Numerical analysis of Mud flow using VOF scheme with Non-Newtonian model <a href="#">Kensaku Matsumoto</a> , <a href="#">Masayoshi Maruyama</a>
	15:20 – 15:35	Examination of flowing groundwater condition on riverbank bed using One-meter Depth Temperature and Multipoint Temperature Logging <a href="#">Tsuyoshi Harasawa</a> , <a href="#">Kensaku Matsumoto</a> , <a href="#">Atsuo Takeuchi</a>
	15:35 – 15:50	Coffee Break
	<b>Chairpersons:</b> <a href="#">Toshiyuki Takahara</a>	
15:50 – 16:05	Seismic estimation of a stone lantern using 3-D DEM analysis and shaking table test <a href="#">Akira Murata</a> , <a href="#">Naohiro Ito</a> , <a href="#">Ryo Shimizu</a> , <a href="#">Masakatsu Miyajima</a>	

	16:05 – 16:20	The mechanism of loess landslide triggered by irrigation <a href="#">Jifei Zhao</a>
	16:20 – 16:35	Study of the risk communication in the Geo-disaster -Report of the local government questionnaire result- <a href="#">Hisayuki Ishizuka, Masakatsu Miyajima</a>
C (Room 307)	<b>Chairpersons:</b> <a href="#">Ko-Fei Liu, Akira Murata</a>	
	14:20 – 14:35	Inverse analysis of loess strength parameters of Tianshui area <a href="#">Chao Liu</a>
	14:35 – 14:50	Monitoring and experiment on the effect of freeze-thaw on soil cutting slope stability <a href="#">Ying Guo, Wei Shan</a>
	14:50 – 15:05	Study of non-uniformity coefficient considering micro topography for seismic design of water pipes <a href="#">Kazutaka Shichiroumaru, Masakatsu Miyajima</a>
	15:05 – 15:20	Study on Behavior of Ductile Iron Pipelines Buried across a Fault <a href="#">Shougo Kaneko, Masakatsu Miyajima</a>
	15:20 – 15:35	In-situ Monitoring of Tiered Reinforced Earth Retaining Wall for A Loess Slope <a href="#">Wei Qi</a>
	15:35 – 15:50	Coffee Break
	<b>Chairpersons:</b> <a href="#">Netra Prakash Bhandary</a>	
	15:50 – 16:05	The mechanism of a rapid long run-out loess landslide <a href="#">Peng Wang</a>
	16:05 – 16:20	Instability of mud flow by river morphological variation <a href="#">Ko-Fei Liu, Shih-Chao Wei</a>
	16:20 – 16:35	Exploration of landslide dam structure by Micro-tremor array survey method <a href="#">Yasuhiro Mitani, Fawu Wang, Austin Chukwueloka Okeke, Yohei Kuwada, Hufeng Yang, Fikri Faris</a>
	Closing Ceremony (16:40-17:10)  (Main conference room)	Quick report of the 2012 North West Iran Earthquake <a href="#">Prof. M. Miyajima (Kanazawa University, Japan)</a> Closing Speech <a href="#">Prof. F.W. Wang (Shimane University, Japan)</a>
17:20 – 18:00	Relaxing time: Sunset in Shinji Lake	
Banquet (19:00-21:00)  (Japanese Garden Restaurant: Yushi-en)	Appreciation Speech by <a href="#">Prof. Y. Sampei</a> , the Deputy Dean of Interdisciplinary Faculty of Science and Engineering, Shimane University Ceremony for Best Paper Award, Excellent Research Award, and Promising Young Scholar Award	