

An International Symposium on Earthquake Induced Landslides and Disaster Mitigation at the 3rd Anniversary of the Wenchuan Earthquake

May 12 – 15, 2011
Chengdu, China

FIRST CIRCULAR

Background

Three years ago, the strong ground motion triggered by the Wenchuan earthquake caused tens of thousands of landslides over a broad area. The landslides directly caused more than 20,000 fatalities, but they also produced extensive damage to infrastructure such as roads, settlements, factories and irrigation channels. Highways and bridges were blocked or destroyed and the city of Wenchuan and many other towns became isolated.

A catastrophic earthquake intensively disturbs the near-surface bedrock and affects the stability of slopes for a long period of time. The Wenchuan earthquake, produced a large amount of loose landslide debris on the steep slopes of the affected area. This debris served in the years after the earthquake as source material for rainfall-induced debris flows or shallow landslides. A giant debris-flow on August 8, 2010 in Zhouqu City, claimed 1434 lives with a further 331 listed as missing. This catastrophic debris-flow was following an intense and local heavy rainstorm and destroyed or heavily damaged more than 5500 houses along its flow path. A heavy rainstorm on August 13-14, 2010 in Qingping area along the Mianyuan River at the epicentre of the Wenchuan earthquake, triggered many catastrophic debris flows, resulting in further death tolls and widespread damage in the newly reconstructed town of Yinxue.

According to the Japanese experience with the great Kando earthquake of 1923, excessive sediment supply in the river catchments near the Kando epicenter lasted for about 40 years. The combined effect of an earthquake and subsequent heavy rainfall on future landslide and debris flow hazard and risk deserves more attention. The Wenchuan earthquake provided an unprecedented amount of data for such studies.

The purpose of this symposium is to provide a forum for discussion among researchers and other professionals involved in studies of landslides and disaster mitigation. The outcome of this symposium will provide policy makers with a better basis for landslide risk-management in the area affected by large earthquakes, and assist them in the selection of safe sites for the reconstruction process.

Main topics

1. Post-earthquake inventories of landslides and cascading hazards, such as caused by landslide dams
2. Assessment of seismic landslide susceptibility and hazard
3. Mechanisms of seismically induced permanent deformations in slopes

4. Effects of climate change on landslide risk in seismic hazard zones
5. Impact of earthquakes on the landslide and debris flow evolution
6. Monitoring, prediction and early warning of landslides and debris flows
7. Symbiotic approaches for disaster mitigation

Hosted and organized by:

State Key Laboratory of Geo-hazard Prevention (SKLGP), CDUT, China

With contributions from:

Chengdu University of Technology (China)

Kobe University (Japan)

Gadjah Mada University (Indonesia) (to be negotiated)

Kyoto University (Japan)

The Japan Landslide Society

International Institute for Geo-Information Science and Earth Observation (the Netherlands)

International Centre for Geohazards (Norway)

Sponsored by:

National Natural Science Foundation of China

IAEG (to be negotiated)

Venue

Chengdu University of Technology (CDUT), Chengdu, China

Program (Tentative):

Date	AM	PM	Evening
May 11	Arrival & Registration		Welcome Dinner
May 12	Opening Addresses Technical Session	Technical Session	Banquet
May 13	Technical Session	Technical Session	
May 14	Field Excursion		Local Special Food
	Field Excursion		Farewell Dinner
May 15	Departure		

Deadlines:

Response form and abstract: March 10, 2011 (Email: sklgp@gmail.com)

Language and format

The workshop will include Oral presentations, Poster sessions and a Field excursion. The official language for all presentations is English. Abstracts will be required from all participants wishing to submit a poster or oral presentation in the workshop. Abstracts must be written in Times New Roman 12 pt fonts and should include, in this order: Abstract title, Authors' names (first name family name), Affiliation (Institutions and address), First author's e-mail and

Abstract text (less than 2000 words and figures: in all less than two pages).

Fees:

Registration: 1300CNY (200 USD)

(Including a volume of abstracts, welcome party, lunches on Oct. 11-13)

Two-day excursion: 660CNY (100 USD)

Banquet: 200CNY (30 USD)

Accommodation: The 4 star Hotel of Chengdu University of Technology. Hotel reservation for participants will be done by the host according to the responses. Standard single room or double room may cost about 350-450CNY/day (55-70USD/day).

Field Excursion 1: The epicenter of the Wenchuan earthquake and Dujiangyan ancient irrigation works

The Magnitude 8.0 Wenchuan Earthquake on 12th May 2008 brought about heavy casualties and big economic losses. A field trip with academic exchange activities will visit the epicenter area near Yingxiu Town and the heavily damaged areas of Dujiangyan. Participants will observe large debris avalanches and landslides triggered by the earthquake and subsequent debris-flows. Along the way, you will visit Dujiangyan irrigation works, an ancient technological wonder built in 250 B.C., which is one of the World Cultural Heritage sites.

Field Excursion 2: Large seismic landslide dams and earthquake-related debris flows in Qingping area

Participants will observe two large landslide dams produced by the earthquake and subsequent giant debris-flows.

Letters of invitation:

Participants who require letters of invitation, please contact sklgp@gmail.com.

Response Form:

Please provide the following information to sklgp@gmail.com before August 20, 2010 to help with relevant arrangements.

Position/Title: (Prof./Dr./Mr./Ms.)			
Last Name:		First Name:	
Country:		Passport number:	
Organization:			
Gender:	Male [<input type="checkbox"/>] or female [<input type="checkbox"/>]	Tel:	
		Fax:	
Email:		Presentation :	poster ? [<input type="checkbox"/>] or oral ? [<input type="checkbox"/>]
Presentation title:			
Accompanying Person Number:		Name:	

Activity Participation:	Will you attend the one day excursion? [] the farewell party? []
Hotel Accomodations:	Number of Single rooms ? [] / Number of Twin rooms ? []
Check in and Check-out:	Your Hotel Check in date ? [] Hotel Check-out date ? []

Organizing committee

Chairperson: Runqiu Huang (Chengdu University of Technology, China)

Secretary-general: Chuan Tang (Chengdu University of Technology, China)

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