10th Xi'an ISL 2008

10TH INTERNATIONAL SYMPOSIUM ON LANDSLIDES AND ENGINEERED SLOPES

June 30 ~ July 4, 2008

Xi'an, China

Organized by

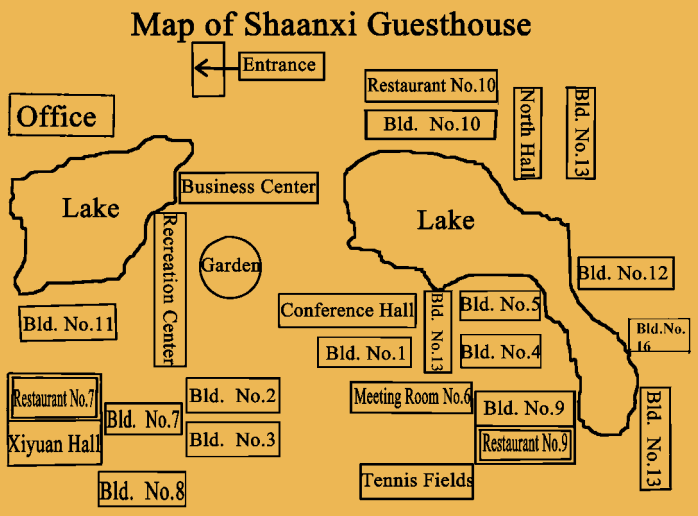
Chinese Institution of Soil Mechanics and Geotechnical Engineering, China Civil Engineering Society (CISMGE-CCES)
Chinese National Commission on Engineering Geology (CNCEG)
Chinese Society of Rock Mechanics and Engineering (CSRME)
Geotechnical Division of the Hong Kong Institution of Engineers (HKIE)

Supported by

China Geological Survey

Tsinghua University

China Institute of Water Resources and Hydropower Research (IWHR)



INTRODUCTION

The 10th International Symposium on Landslides and Engineered Slopes is one of the most important activities of the Joint Technical Committee on Landslides and Engineered Slopes (JTC1) under the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), International Society for Rock Mechanics (ISRM) and International Association on Engineering Geology (IAEG).

The Symposium will be jointly organized by the three Chinese national sister societies, and the Geotechical Division of the Hong Kong Institution of Engineers.

ORGANIZATION

Steering Committee

Christophe Bonnard
Eric Leroi
Jian-Min Zhang
H. N. Wong
Serge Leroueil
Xiaogang Wang
Zuyu Chen
Eddie Bromhead
Faquan Wu
Luciano Picarelli
Robin Fell
Willy Lacerda
Zhongkui Li

Local Organizing Committee

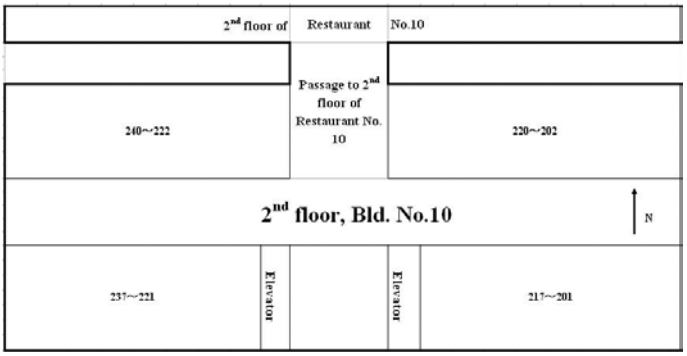
C. F. Lee
Qihu Qian
Yuan Liu
Yuanhua Luo
Bing Xu
Runqiu Huang
Yueping Yin
L. M. Mak
Dingcheng Huang
Sijing Wang
Zaiming Zhang
Xiaoguang Zhou
Zhifa Yang
Faquan Wu
Zhongkui Li
Zuyu Chen (Chairman)
H. N. Wong
Xiaogang Wang
Jian-Min Zhang
Jianping Qiao
Yan Zhang
Yongli Xie
Gongxian Wang

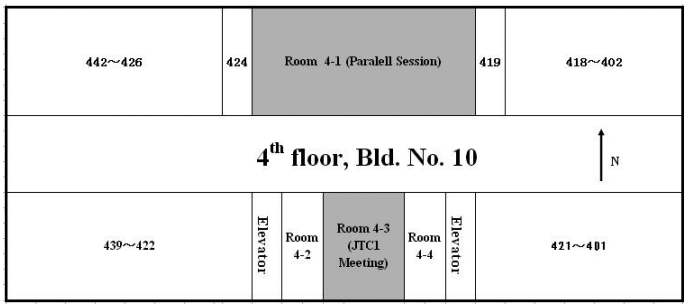
Advisory Committee

Qinglian Tan (chairman)
Linshu Wang
Yingren Zheng
Xiurui Ge
Maorui Feng
Shangfu Quang
Xiejie Hu
Da Lei
Yingxian Wang
Jing Zhou
Wei Huang
Qinghua Cai

FLOOR PLANS


1st floor of Restaurant No.10
Passage to 1st floor of Restaurant No.10
134~120
119~102
Speaker Ready Room
1st floor, Bld. No.10
Conference Secretariat
N
135~120
121
Elevator
Elevator
113
112~101
Entrance


2nd floor of Restaurant No.10
Passage to 2nd floor of Restaurant No. 10
240~222
220~202
2nd floor, Bld. No.10
N
237~221
Elevator
Elevator
217~201


442~426
424
Room 4-1 (Paralell Session)
419
418~402
4th floor, Bld. No. 10
N
439~422
Elevator
Room 4-2
Room 4-3 (JTC1 Meeting)
Room 4-4
Elevator
421~401


638~622
620
Room 6-1 (Parallel Session)
619
618~602
6th floor,Bld. No.10
N
635~621
Elevator
Room 6-2 (Real-time Monitoring, Parallel Session)
Elevator
615~601

IMPORTANT INFORMATION

On-site Registration

Time: 14:00 to 18:00 June 28 (Saturday)
09:00 to 21:00 June 29 (Sunday)
07:30 to 17:30 June 30 (Monday)

Location: Lobby of Building No.10.

A service desk will be remained from 8:30 to 17:30 throughout the conference at the Lobby of Building No. 10.

Conference Secretariat

The Conference Secretariat is established in the Suite No. 113 on the 1th floor of the Building No. 10.

City traffics

Taxi can be called upon with the help of the assistants at the front desk of Building No. 10.

Currency exchange

Bank of China provides a service for currency exchange from 9:00 to 12:00 every morning except July 2. The service desk is at the lobby of Building No. 10

Internet service

Internet service will be available upon request at a cost of 30 RMB per day

Telephone service

Room to Room in Building No. 10: 10 + Room no.

Room to Room in other buildings: 9 + Building No. + Room No.

Long distance call: It is available to open in the room upon your request at the reception desk of the building you stay in. Telephone call will be charged according to the bill at standard cost plus service charge based on different places you want to call.

Helps in English language

Anytime you need help in English language, please contact room 113 of Building No. 10 at Tel. No. 10113

Lodge your Powerpoint files

Delegates who wish to present oral presentations kindly please approach room 121 of Building No. 10 and Lodge your Powerpoint file to our secretary.

Muslim and Vegetarian food services

Muslim food will be served in a special room near the main dining room. Since the main dining room offers a variety of pure vegetable dishes, no special room has been arranged for vegetarians.

Supper tickets

The front desk sells supper tickets at 50 RMB.

Transportation for drop down Airport

LOC will provide guests with shuttle bus transportation from the Shaanxi Guesthouse to Xianyang International Airport at 06:15, 08:45, 11:15 and 13:45 on July 5 (Saturday). Please be notified that these times are leaving time from Shaanxi Guesthouse.

Additional tickets

Guests may attend all Conference functions but must purchase separate tickets for those designated events not included in the Guest Registration Package. These tickets and additional tickets for all events will be available to purchase on Registration Desk one day before its opening. The prices are listed as follows:

No.	Event ticket	Price (Yuan)	No.	Event ticket	Price (Yuan)
1	Reception	300	6	AC1 June 30, 2008	290
2	Banquet	500	7	AC2 July 1, 2008	170
3	Technical tour T1	400	8	AC3 July 3, 2008	220
4	Technical tour T2	400	9	AC 4 July 4, 2008	330
5	Cultural Program	350	10	Dinner(June 30, July 1, 3 & 4)	50

IMPORTANT EVENTS

Reception Party

Time: June 30 (Monday): 18:30-20:00
Location: Restaurant on 2nd Floor of Building No.10
For more details see page 22

JTC1 Meeting

Time: June 29 (Sunday): 15:00-17:00
Location: Room 4-3 of Building No. 10

Opening Ceremony

Time: June 30 (Monday): 9:00 – 9:30
Location: Conference Hall

Technical Tour 1 - Ming Sheng Palace-Zhong Ling landslide-Terra Cotta Warriors and Horses

Time: July 2 (Wednesday): 08:00 - 18:00
For more details see page 20

Technical Tour 2 - Tonghuang Highway-HuangDi Mausoleum- the National Loess Geological Park

Time: July 2 (Wednesday): 07:00-19:40
For more details see page 21

Banquet

Time: July 3 (Wednesday): 18:30-20:30
Location: Restaurant No. 10, 2nd floor

Specialized Session on Landslides induced by Wenchuan Earthquake

Time: July 3 (Thursday): 14:00-16:00
Location: Conference Hall

Culture Program

Date: July 1 (Tuesday) Time: 17:00-21:30
Location: Tang Paradise
For more details see page 22

TECHNICAL PROGRAM

General Schedule

30 June 2008 Monday

Registration and information 8:30 – 18:00		
Opening Ceremony 9:00 – 9:30 Venue: Conference Hall		
Plenary Session 9:30 – 12:30 Conference Hall Chairperson: Suzanne Lacasse H.N.Wong 9:30 – 10:20 Keynote 1: N.R. Morgenstern(Canada) – Landslides: Seeing the Ground 10:20- 10:50 Special Lecture 1 Z.G.Lin (China) – Loess in China and landslides in loess slopes 10:50 – 11:40 Keynote 2: I. Towhata (Japan) - Effects of earthquakes on slopes 11:40 – 12:30 Keynote 3: H. Rahardjo (Singapore) - Monitoring and modeling of slope response to climate changes		
12:50-14:00 Lunch		
Parallel Sessions		
14:00 – 16:00 Oral presentation Specialized Session: landslides induced by Wenchuan Eqrthquake Venue: Conference Hall Chairperson: Runqiu Huang W. Lacerda		
16:00 – 16:20 Coffee Break		
16:20 – 18:20 Oral presentation Parallel Session 1A -1: Geology, geotechnical properties and site characterization (A) Venue: ROOM 6-2 OF BUILDING NO. 10	16:20 – 18:20 Oral presentation Parallel Session 1B-1: Advance in analytical methods, modelling and prediction of slope behavior (B) Venue: ROOM 4-1 OF BUILDING NO. 10	16:20 – 18:20 Oral presentation Parallel Session 1C-1: Landslide mechanism, monitoring and warning (C) Venue: ROOM 6-1 OF BUILDING NO.10
18:30 – 20:00 Reception Party		

1 July 2008 Tuesday

Registration and information 8:30 – 16:30		
Plenary Session 8:30 – 10:50 Conference Hall Chairperson: HN Wong H. Rahardjo 8:30 – 9:20 Keynote 4: Z.Y. Chen (China) and K. Ugai (Japan)– Limit equilibrium and finite element analysis – a perspective of recent advances 9:20 – 9:50 Special Lecture 2: M.E. Reid (USA) -Capturing landslide dynamics and hydrologic triggers using near-real-time monitoring 9:50 -10:20 Special Lecture 3: C.W.W. Ng (HKSAR) – Deformation and failure mechanisms of loose and dense fill slopes with and without soil nails 10:20 - 10:50 Special Lecture 4: C. Bonnard (Sweden)– Prediction of landslide movements caused by climate change : Modelling the behaviour of a mean elevation large slide in the Alps and assessing its uncertainties		
10:50-11:05 Coffee Break		
Plenary Session 11:05 – 13:00 Conference Hall Chairperson: Pedro S. Pinto, G. Tham 11:05 – 11:35 Special Lecture 5: S. McDougall (Canada) – Advances in landslide continuum dynamic modelling 11:35 – 13: 00 Round Table discussion Topic 1: Strength criteria and design approaches for difficult soils and rocks N. Morgenstern (Chair, Canada), W. Lacerda (Brazil), S. Leroueil (Canada), R. Picarelli (Italy), R. Fell (Australia)		
12:40 – 14:00 Lunch. 13:00 – 13:10 A brief introduction to the technical tour 1, Ming Sheng Palace. Only for those who join this tour on July 2		
Parallel Sessions 16:00 - 16:30		
14:00 – 16:30 Oral presentation Parallel Session 2A-1: Landslide mechanism, monitoring and warning (C) Venue: ROOM 6-2 OF BUILDING NO. 10	14:00 – 16:30 Oral presentation Specialized session 2B-1: Standardization and Digitalization of Landslide and Slope Engineering Data Venue: ROOM 4-1 OF BUILDING NO. 10	14:00 – 16:30 Oral presentation Parallel Session 2C-1: Slope stabilization and protection (F) Venue: ROOM 6-1 OF BUILDING NO.10

3 July 2008 Thursday

Registration and information 8:30 – 16:30		
Plenary Session 8:30 – 10:10 Conference Hall Chairperson: Z. G. Lin, Madhira R. Madhv 8:30 – 9:20 Keynote 5: W. K. Pun (HKSAR) – Soil nailing and subsurface drainage for slope stabilization 9:20 - 10:10 Keynote 6: E. Eberhardt (Canada) - Improving the interpretation of slope monitoring and early warning data through better understanding of complex deep-seated landslide failure mechanisms		
10:10 – 10: 30 Coffee Break		
Plenary Session 10:10 – 13:00 Conference Hall Chairperson: S. Leroueil Kyoji Sassa 10:30 – 11:00 Special Lecture 6: M.L. Lin(Taiwan, China) - The Effects of Earthquake on Landslides- A Case Study of Chi-Chi Earthquake 11:00 – 11:30 Special Lecture 7: L. Olivares (Italy) – The role of suction and its changes on stability of steep slopes in unsaturated granular soils 11:30 – 13: 00 Round Table discussion Topic 2: Probabilistic analysis and landslide risk management W. Tang (Chair, HKSAR), H. Einstein (USA), S. Lacasse (Norway), HN Wong(HKSAR), J. Corominas (Spain),K.L. Yin (China)		
13:00-14:00 Lunch		
Parallel Sessions		
14:00 – 16:00 Oral presentation Parallel Session 3A-1: Geology, geotechnical properties and site characterization (A) Venue: ROOM 6-2 OF BUILDING NO. 10	14:00 – 16:00 Oral presentation Parallel Session 3B-1 Advance in analytical methods, modelling and prediction of slope behavior (B) Venue: ROOM 4-1 OF BUILDING NO. 10	14:00 – 16:00 Oral presentation Parallel Session 3C-1: :Effect of earthquakes on slopes (D) Venue: ROOM 6-1 OF BUILDING NO.10
16:00- 16:20 Coffee Break		
16:20 – 18:00 Oral presentation Parallel Session 3A-2: Geology, geotechnical properties and site characterization (A) Venue: ROOM 6-2 OF BUILDING NO. 10	16:20 – 18:00 Oral presentation Parallel Session 3B-2: Advance in analytical methods, modelling and prediction of slope behavior (B) Venue: ROOM 4-1 OF BUILDING NO. 10	
18:30 – 20:00 Banquet		

4 July 2008 Friday

Registration and information 8:30 – 12:00		
Parallel Sessions		
8:30 – 10:00 Oral presentation Parallel Session 4A-1: Advance in analytical methods, modelling and prediction of slope behavior (B) Venue: ROOM 6-2 OF BUILDING NO. 10	8:30 – 10:00 Oral presentation Parallel Session 4B -1: Climate, hydrology and slope responses (E) Venue: ROOM 4-1 OF BUILDING NO. 10	8:30 – 10:00 Oral presentation Parallel Session 4C-1: Risk assessment (G) Venue: ROOM 6-1 OF BUILDING NO.10
10:00- 10:20 Coffee break		
10:20 – 12:00 Oral presentation Parallel Session 4A-2: Advance in analytical methods, modelling and prediction of slope behavior (B) Venue: ROOM 6-2 OF BUILDING NO. 10	10:20 – 12:00 Oral presentation Parallel Session 4B-2: Climate, hydrology and slope responses (E) Venue: ROOM 4-1 OF BUILDING NO. 10	10:20 – 12:00 Oral presentation Parallel Session 4C-2: Risk assessment (G) Venue: ROOM 6-1 OF BUILDING NO.10
12:00 – 13:00 Lunch		
13:00 – 16:20 China Afternoon Venue: Main Hall		
Chairperson: P. S. Pinto LiMin Zhang 13:00 - 13:25 C.Z. Liu – Early warning for Geo-Hazards based on the weather condition in China 13:25 - 13:50 Y.J. Cai –Failure and treatment technique of a canal in expansive soil in South to North Water Diversion project 13:50 - 14:15 G.J. Cao - High Slope Engineering for Three Gorges Ship Locks 14:15 - 14:40 R.Q. Huang - Large-scale Landslides in China: Case Studies 14:40 - 15:05 G.X. Wang- Slope Engineering in Railway and Highway Construction in CHINA 15:05 - 15:30 S.J. Wang - Mining slope engineering in China 15:30 - 15:55 Y.P. Yin - Structure and Failure Patterns of Engineered Slopes at the Three Gorges Reservoir 15:55 - 16:20 J.P. Zhou - Slope Engineering in Hydropower Projects in China		
16:30-17:00 Closing Ceremony		

PARALLEL SESSIONS

Technical Agenda

30 June 2008 Monday
14:00 – 16:00 Specialized Session: landslides induced by Wenchuan Earthquake
Venue: Conference Hall
Chairpersons: *Runqiu Huang W. Lacerda*

Keynote Speech: Emergency Works for Tangjiashan Landslide Dam Disaster Reduction.
Ning Liu, Ministry of water Resources, China

Keynote Speech: Landslide Disasters and Geo-environmental Impact Triggered by Wenchuan Earthquake in Sichuan, China
Yueping Yin, China Geological Survey

Wenchuan Earthquake and the Performance of Zipingpu CFRD During The Quake
Zeping Xu, China Institute of Water Resources and Hydropower Research

The Formation Mechanism of Landslides Induced by Wenchuan Earthquake---- Taking Maoxian As an Example
Wanmo Zheng, Chengdu Geological Survey

Preliminalry Remote Sensing Investigation of Damage Caused by the "5.12"Wenchuan Strong Earthquake as Well as Secondary Hazards At The Quake Center Yingxiu Town
Zhi-hua Wang, *Ying-jie Zhou, Bin Xu, Bin Jia*, China Aero Geophysical Survey and Remote Sensing Ccnter for Land and Resources

Barrier Lakes Induced by 5.12 Wenchuan Earthquake
Peng Cui, Institute of Mountain and Environment

Analysis on Landslide Distribution Triggered by the Wenchuan Earthquake on 12 may 2008
Chuan Tang, Chengdu University of Technology

Analysis on Characteristic of Donghekou landslide induced by the Wenchuan Earthquake on 12 may 2008
Qiang Xu, Chengdu University of Technology

Analysis on Geological Structure and Dam-break Possibility of Tang Jiashan Barrier Dam Forming by landslide
Xiewen Hu, Southwest Jiaotong University

16:20 – 18:20, 30 June 2008 Monday
Session 1A -1: Geology, geotechnical properties and site characterization
Venue: ROOM 6-2 OF BUILDING NO. 10
Chairpersons: *Steve Hencher, C.W.W. Ng*

The viscous component in slow moving landslides: a practical case
D.A. González, A. Ledesma & J. Corominas

The systematic landslide investigation programme in Hong Kong
K.K.S. Ho, T.M.F. Lau

Permeability tensor for soils with random crack network
Jinhui Li

Inferences from morphological differences in deposits of similar large rockslides.
A.L. Strom
Geotechnical analysis of a complex slope movement in sedimentary successions of the southern Apennines (Molise, Italy)
D. Calcaterra, D. Di Martire, M. Ramondini, F. Calò, M. Parise
Pir3D , an easy to use three dimensional block fall simulator
Y. Cottaz
Characterization of the fracture pattern on cliff sites combining geophysical imaging and laser scanning
J. Deparis
In situ characterization of the geomechanical properties of an unstable fractured rock slope
C. Dünner, P. Bigarré,F. Cappa , Y. Guglielmi,C. Clément
Stability problems in slopes of Arenós reservoir (Castellón, Spain)
J. Estaire, J. A. Díez, C. Olalla
"The 22 August, 2006, anomalous rock fall along the Gran Sasso NE wall (Central Apennines, Italy)"
G. Bianchi Fasani, C. Esposito, G. Scarascia Mugnozza, L. Stedile, M. Pecci

16:20 – 18:20 Oral presentation 30 June 2008 Monday
Parallel Session 1B-1: Advance in analytical methods, modelling and prediction of slope behavior (B)
Venue: ROOM 4-1 OF BUILDING NO. 10
Chairpersons: *Keizo Ugai, N Rosser*

Probability limit equilibrium and distinct element modeling of jointed rock slope at northern abutment of Gotvand dam, Iran
M. Aminpoor, A. Noorzad & A.R. Mahboubi
Contribution to the safety evaluation of slopes using long term observation results
J. Barradas
Delimitation of safety zones by finite element analysis
J. Bojorque , G. De Roeck G. De Roeck & J. Maertens
Superposition principle for stability analysis of reinforced slopes and its FE validation
F. Cai, K. Ugai
Soil suction modelling in weathered gneiss affected by landsliding
M. Calvello, L. Cascini, G. Sorbino, G. Gullà
"Modelling the transient groundwater regime for the displacements analysis of slow-moving active landslides"
L. Cascini, M. Calvello, G.M. Grimaldi
Numerical modelling of the thermo-mechanical behaviour of soils in catastrophic landslides
F. Cecinato, A. Zervos, E. Veveakis & I. Vardoulakis
Slope stability analysis using graphic acquisitions and spreadsheets
L. H. Chen, Z. Y Chen, Ping Sun
Efficient evaluation of slope stability reliability subject to soil parameter uncertainties using importance sampling
Jianye Ching, Kok-Kwang Phoon, Yu-Gang Hu

Prediction of the flow-like movements of Tessina landslide by SPH model
S. Cola, N. Calabrò,M. Pastor

16:20 – 18:20 Oral presentation 30 June 2008 Monday
Parallel Session 1C-1: Landslide mechanism, monitoring and warning (C)
Venue: ROOM 6-1 OF BUILDING NO.10
Chairpersons: *Filippo Catani, Yueping Yin*

GIS-based landslide susceptibility mapping in the Three Gorges area— comparisons of mapping results obtained by two methods: analytical hierarchy process and logistic regression
Shibiao Bai, Jian Wang & Guonian Lu, Pinggen Zhou & Shengshan Hou, Fanyu Zhang
The technical concept within the Integrative Landslide Early Warning System (ILEWS)
R. Bell, B. Thiebes & T. Glade, R. Becker, H. Kuhlmann, W. Schauerte & S. Burghaus, H. Krummel, M. Janik
DInSAR techniques for monitoring slow-moving landslides
D. Calcaterra, M. Ramondini, F.Calò V. Longobardi, M. Parise, C.M.Galzerano
Multitemporal DInSAR data and damages to facilities as indicators for the activity of slow-moving landslides
L. Cascini, S. Ferlisi, D. Peduto & G. Pisciotta, S. Di Nocera, G. Fornaro
The Serre La Voute landslide (North-West Italy): results from ten years of monitoring
M. Ceccucci, G. Maranto, G. Mastroviti
A plane-torsion rockslide with a locked flank: a case study
Qiangong Cheng
Monitoring of natural thermal strains using hollow cylinder strain cells: The case of a large rock slope prone to rockfalls
C. Clément, Y. Gunzburger, V. Merrien-Soukatchoff, C. Dünner
Landslide hazards mapping and permafrost slope InSAR monitoring, Mackenzie Valley, Northwest Territories, Canada
R. Couture, S. Riopel
Two approaches for public landslide awareness in the United States– U.S. Geological Survey warning systems and a landslide film documen-tary
Lynn M. Highland, Paula L. Gori
Formation and mechanical analysis of Tiantai landslide of Xuanhan County, Sichuan Province
Run-qiu Huang, Songjiang Zhao & Xiaobing Song
Prepa Displacement Mechanism and Its Treatment Measures for Hancheng Landslide
Tian-fu Li, Lin-cai Dang
Investigation of the stability of colluvial landslide deposits
X. Li, L.M. Zhang
No. 1 landslide on the eastern approach road to ErLang Mountain tunnel: inference factors and controlling measures
Hui min Ma, Zhong ping Zhang

1 July 2008 Tuesday
14:00 – 16:30 Oral presentation 1 July 2008 Tuesday
Parallel Session 2A-1: Landslide mechanism, monitoring and warning (C)
Venue: ROOM 6-2 OF BUILDING NO.10

Chairpersons: *E. Eberhardt George L G Tham*

An early warning system to predict flowslides in pyroclastic deposits
L. Pagano, G. Rianna, M.C. Zingariello, G. Urciuoli & F. Vinale

Monitoring and modeling of slope movement on rock cliffs prior to failure
N.J. Rosse, D.N. Petley

A warning system using chemical sensors and telecommunication technologies to protect railroad operation from landslide disaster
H. Sakai

Observational method in the design of high cutting slope around bridge
Shuwei Sun, Benzhen Zhu, Bo Zheng & Junwei Zhang

Interaction between landslides and man-made works
G. Urciuoli, L. Picarelli

Desiccation fissuring induced failure mechanisms for clay levees
S. Utili, M. Dyer

Landslides in stiff clay slopes along the Adriatic coast (Central Italy)
F. Cotecchia, O. Bottiglieri & L. Monterisi, F. Santaloia

Landslide-prone towns in Daunia (Italy)□PS interferometry-based investigation
Janusz Wasowski D. Casarano, F. Bovenga & A. Refice, R. Nutricato & D. O. Nitti

Stability Analysis by Strength Reduction Finite Element Method and Monitoring of Unstable Slope During Reinforcement
Zai-quan Wang, Hua-feng Li, Li-ming Zhang

Displacement monitoring on Shuping landslide in the Three Gorges Dam Reservoir area, China: from August 2004 to July 2007
F.W. Wang, G. Wang, Y.M. Zhang, Z.T. Huo & X.M. Peng, K. Araiba, A. Takeuchi

Deformation mechanism and prevention measure for strongly expansive soft-rock slope in the Yanji basin
Xiong Wu, Nengxiong Xu, Hong Tian & Yandong Sun, Manchao He

A time-spatial deterministic approach to assessment of rainfall-induced shallow landslide
M.W. Xie , C. Qiu & Z.F. Wang

Introduction of web-based remote-monitoring system and its application to landslide disaster prevention
Masao YAMADA, Shinichi TOSA

Deformation mechanism for the front slope of the left bank deposits in Xiluodu hydro-electrical power station, China
Ming Yan, Zhaojing Wu, Runqiu Huang, Yujing Zhang & Shitian Wang

Monitoring of soil nailed slopes and dams using innovative technologies
Jian-Hua YIN, Hong-Hu ZHU, Wei Jin

Application of multi-antenna GPS technique in the stability monitoring of roadside slopes
Q. Zhang L. Wang, X.Y. Zhang & G.W. Huang, X.L. Ding, W.J. Dai & W.T. Yang

14:00 – 16:30 Oral presentation 1 July 2008 Tuesday
Specialized session 2B-1: Standardization and Digitalization of Landslide and Slope Engineering Data
Venue: ROOM 4-1 OF BUILDING NO. 10

Chairpersons: *Jian-Hua YIN Resat Ulusay*

Some thoughts on the RISMEF work

Xiating Feng

The application of the XML technology in rockmass test

Yufei ZHAO

Practice of Establishing China's Geo-Hazard Survey Information System

Kaijun Zhang & Yueping Yin

Study on Logistic Regression Model Applied to Regional Slope Stability Evaluation Based on GIS

Xueping LI

GIS-based susceptibility mapping with comparisons of results from analytical hierarchy process versus logistic regression in the Three Gorges Area, China

Shi-Biao BAI

A GIS-based method for predicting location, magnitude and occurrence time of landslides using a three-dimensional deterministic model

Cheng Qiu

Application of multi-Antenna GPS technology in the stability monitoring of road slopes

Wang LI

Real time prediction of Arias intensity and seismic landslides hazards in Alborz and Central IRAN using GIS

Mohammadreza Mahdavifar

Spatial landslide risk assessment in Guantánamo province, Cuba

Enrique Castellanos

landslide risk in the San Francisco Bay region

Robert A. Crovelli1

Landslide hazard and risk assessment in the areas of dams and reservoirs of Serbia

Biljana Abolmasov

A proposal for a reliability rating system for fluvial flood defence embankments in the United Kingdom

Marco Redaelli

14:00 – 16:30 Oral presentation 1 July 2008 Tuesday

Parallel Session 2C-1: Slope stabilization and protection (F)

Venue: ROOM 6-1 OF BUILDING NO.10

Chairpersons: *C. Bonnard, S.Q.Gui*

Experimental geo-synthetic-reinforced segmental wall as bridge abutment

R.M. Faure, D. Rossi, A. Nancey, G. Auray

Rock slope stability analysis for a slope in the vicinity of Take-off Yard of Karun-3 Dam

Morteza Gharouni-Nik

Landslide stabilization for residential development

I Jworchan, A O'Brien & E. Rizakalla

Influence of load transfer on anchored slope stability

S.K. Kim, N.K. Kim, Y.S. Joo, J.S. Park, T.H. Kim & K.S. Cha

Safety analysis of high engineering slopes along the west approach road of ZheGu Mountain Tunnel
T.B. Li, Y. Du & X.B. Wang
Landslide stabilizing piles: a design based on the results of slope failure back analysis
M. E. Popescu, P.E., Eur.Ing
Landslides on the left abutment and engineering measures for Manwan project
Xianliang Tang, Qiang Gao
Waste rock dump slope stability for a gold mine in California
Hong Yang, Gregory C. Rollins and Minsoo Kim, V. R. Schaefer, Ph.D., P.E.
Properties of the high rock slope of Hongjiadu Hydropower Project and its engineering treatment measures
Zeyan Yang, Wanchun Xiao, Dayong Cai
Typical harbor bank slopes in the Three Gorges reservoir: landslide and collapse and their stability control
Aijun Yao, Chaoyang Heng, Zhang zaiming & Xiang ruide
Analyses of Mechanism of landslides in Tongchuan-Huangling Highway
L. Zhang H. He
Treatment of Loess-Bedrock LandslideIn Chuankou along Tongchuan-Huangling Expressway
J.B. Zhao
The stabilization of the huge alluvial deposit on the left bank and the high rock slope on the right bank of the XiaoWan Hydropower Project
Lichun Zou, Xianliang Tang, Hanbin Feng, Guojin Wang, Hui Xu

3 July 2008 Thursday
14:00 – 16:00 Oral presentation 3 July 2008 Thursday
Parallel Session 3A-1: Geology, geotechnical properties and site characterization (A)
Venue: ROOM 6-2 OF BUILDING NO. 10
Chairpersons: *Luciano Picarelli Alexander Strom*

New formulae to assess soil permeability through laboratory identification and flow coming out of vertical drains
J.C. GRESS
Structurally-controlled earth flows in the Campania Apennines (Southern Italy)
F.M. Guadagno, P. Revellino, G. Grelle, G. Lupo , Bencardino M
Vulnerability of structures impacted by debris flow
E.D. Haugen, A.M. Kaynia
Engineering geological study on a large-scale topping deformation at Xiaowan Hydropower Station
Runqiu Huang, Genlan Yang, Ming Yan & Ming Liu
Characterization of the Avignonet landslide (French Alps) with seismic techniques
D. Jongmans, F. Renalier, U. Kniess, G. Bièvre1, S. Schwartz, E. Pathier & Y. Orengo , T. Villemin, C. Delacourt
Deformation characteristics and treatment measures of spillway slope at a reservoir in China
Nengpan Ju, Jianjun Zhao, Runqiu Huang
Sliding in Weathered Banded Gneiss due to Gullying in Southern Brazil
W. A. Lacerda, A. P. Fonseca, A. L. Coelho Netto
Characteristics of landslides related to various rock types in Korea

S.G. Lee, K. S. Lee , D. C. Park,S. Hencher

Two approaches to identifying the slip zones of loess landslides and related issues

Tonglu Li, Xiaoyan Lin

Testing Study on the Strength and Deformation Characteristics of Soil in Loess Landslides

H.J. Liao

14:00 – 16:00 Oral presentation 3 July 2008 Thursday
Parallel Session 3B-1 Advance in analytical methods, modelling and prediction of slope behavior (B)
Venue: ROOM 4-1 OF BUILDING NO. 10
Chairpersons: *Z.Q. Yue Zhengyin Cai*

Applications of the strength reduction finite element method to a gravity dam stability analysis

Q. W. Duan, Z. Y. Chen, Y. J. Wang, J. Yang, & Y. Shao

Stability and movement analyses of slopes using Generalized Limit Equilibrium Method

M. Enoki B.X. Luong

Long-term deformation Prediction of Tianhuangpin “3.29” landslide based on neural network with annealing simulation method

Zhang Faming, Xian Chenxin, Jian Song, Binyue Guo, Zhiyao Kuai

New models linking piezometric levels and displacements in a landslide

R.M. Faure, S. Burlon, J.C. Gress, F. Rojat

3D Slope Stability Analysis of Rockfill Dam in U-shape valley

X.Y. Feng, M. T. Luan, Z. P. Xu

3-D finite element analysis of landslide prevention piles.

K. Fujisawa, M.Tohei & Y.Ishii, Y.Nakashima & S.Kuraoka

Integrated intelligent method for displacement predication of landslide

W. Gao

A new approach to in Situ characterization of rock slope discontinuities: the "High-Pulse Poroelasticity Protocol" (HPPP)

Y. Guglielmi, F. Cappa, S. Gaffet & T. Monfret, J. Virieux, J. Rutqvist & C. F. Tsang

Back-analyses of a large-scale slope model failure caused by a sudden drawdown of water level

G. W. Jia Tony L. T. Zhan & Y. M. Chen

Effect of Guangxi Longtan reservoir on the stability of landslide on Badu station of Nankun railway

Riguang Jiang, Rongguo Meng, Aizhong Bai & Yuliang He

14:00 – 16:00 Oral presentation 3 July 2008 Thursday
Parallel Session 3C-1: :Effect of earthquakes on slopes (D)
Venue: ROOM 6-1 OF BUILDING NO.10
Chairpersons: *Ikuo Towhata K.L. Yin*

Influences of earthquake motion on slopes in a hilly area during the Mid-Niigata Prefecture Earthquake, 2004

S. Asano, H. Ochiai

The 1783 Scilla rock-avalanche (Calabria, southern Italy)

F. Bozzano, S. Martino & A. Prestininzi, M. Gaeta, P. Mazzanti & A. Montagna

Self-excitation process due to local seismic amplification and earthquake-induced reactivations of large landslides

F.Bozzano, S. Martino & G. Scarascia Mugnozza G., A. Paciello

Geological constraints to the urban shape evolution of Ariano Irpino (Avellino province, Italy)

D. Calcaterra, C. Dima, E. Grasso

Ground movements caused by lateral spread during an earthquake

Sung-Ch, Hsu, Bin-Lin, Chu & Chen-Chuan Lin

High-cutting slopes at Qingshuichuan Electric Power Plant in the North of Shaanxi: deformation and failure Modes and treatment scheme

Houjian Liu, Zhiwei Liu & Zhihua Yan

GIS-based real time prediction of Arias intensity and earthquake-induced landslide hazards in Alborz and Central IRAN

M. Mahdavifar, M.K. Jafari, M. R. Zolfaghari

Characteristics of large rock avalanches triggered by the November 3, 2002 Denali Fault earthquake, Alaska, USA

W.H. Schulz, E.L. Harp & R.W. Jibson

FE analysis of performance of the Lower and Upper San Fernando Dams under the 1971 San Fernando earthquake

C. Takahashi, F. Cai & K. Ugai

Probabilistic hazard mapping of earthquake-induced landslides

H.B. Wang, S.R. Wu, G.H. Wang & F.W. Wang

Investigation on stability of landfill slopes in seismically active regions in Central Asia

W.Wu, B. G. Tensay, S. Webb, T. Doanth , M. Ritzkowski, Z. Muhidinov, M. Anarbaev

Mechanism for loess seismic landslides in Northwest China

Lixia Yuan, Xing Cui, Ying Hu □ liyan Jiang

16:20 – 18:00 Oral presentation 3 July 2008 Thursday

Parallel Session 3A-2: Geology, geotechnical properties and site characterization (A)

Venue: ROOM 6-2 OF BUILDING NO. 10

Chairpersons: *Luciano Picarelli W. K. Pun*

Post-failure movements of a large slow rock slide in schist near Pos Selim, Malaysia

A.W. Malone, A. Hansen, S.R. Hencher, C.J.N. Fletcher

Shape and size effects of gravel grains on the shear behavior of sandy soils

S.N. Salimi, V. Yazdanjou,A. Hamidi

Yield acceleration of soil slopes with nonlinear strength envelope

A.C. Trandafir, M.E. Popescu

"Coupled effect of pluviometric regime and soil properties on hydraulic boundary conditions and on slope stability "

R. Vassallo, C. Di Maio, M. Calvello

Shear strength of boundaries between soils and rocks in Korea

B.S. Kim , S.H. Jung

Basic Types and Active Characteristics of Loess Landslide in China

Weijiang Wu, Dekai Wang , Xing Su, Nianqin Wang

Investigation of a landslide using borehole shear test and ring shear test

Hong Yang, Vernon R. Schaefer & David J. White

16:20 – 18:00 Oral presentation 3 July 2008 Thursday

Parallel Session 3B-2: Advance in analytical methods, modelling and prediction of slope behavior (B)

Venue: ROOM 4-1 OF BUILDING NO. 10

Chairpersons: *M.E. Reid Akihiko Wakai*

Strength parameters from back analysis of slips in two-layer slopes

J.-C. Jiang, T. Yamagami

Development characteristics and mechanism of the Lianhua Temple Landslide, Huaxian County, China

Jia-yun Wang, Mao-sheng Zhang, Chuan-yao Sun & Zhang Rui

Modeling landslide triggering in layered soils

R. Keersmaekers, J. Maertens, D. Van Gemert, K. Haelterman

Numerical modeling of debris flow kinematics using discrete element method combined with GIS

Hengxing Lan, C. Derek Martin, C.H Zhou

Three dimensional simulation of landslide motion and the determination of geotechnical parameters

Yuhua Lang, Xianqi Luo, Hiroyuki Nakamura

Numerical analysis of slope stability influenced by varying water conditions in the reservoir area of the Three Gorges, China

Shaojun Li, Xiating Feng, Knappett J.A.

Application of the coupled thin-layer element in forecasting the behaviors of landslide with weak intercalated layers

Y. L. LUO, H. PENG

Numerical modelling of a rock avalanche laboratory experiment in the framework of the “Rockslidetec” alpine project I.

Manzella M. Pirulli, M. Naaim, JF. Serratrice, V. Labiouse

Three-dimensional slope stability analysis by means of limit equilibrium method

Shingo MORIMASA, Kinya MIURA

4 July 2008 Friday

8:30 – 10:00 Oral presentation 4 July 2008 Friday

Parallel Session 4A-1: Advance in analytical methods, modelling and prediction of slope behavior (B)

Venue: ROOM 6-2 OF BUILDING NO. 10

Chairpersons: *S. McDougall Derik Martin*

Embankment basal stability analysis using shear strength reduction finite element method

Atsushi Nakamura, Fei Cai & Keizo Ugai

Temporal prediction in landslides – understanding the Saito effect

D.N. Petley, D.J. Petley, R.J. Allison

3D landslide run out modelling using the Particle Flow Code PFC3D

R. Poisel, A. Preh

Centrifuge modeling of rainfall-induced failure process of soil slope
J.Y. Qian, A.X. Wang, G. Zhang & J.-M. Zhang

A GIS-based method for predicting the location, magnitude and occurrence time of landslides using a three-dimensional deterministic model
C. Qiu, T. Esaki & Y. Mitani, M. Xie
Application of a rockfall hazard rating system in rock slope cuts along a mountain road of South Western Saudi Arabia
B.H. Sadagah
Model tests of collapse of unsaturated slopes in rainfall
N. Sakai S. Sakajo
Finite element analysis of flow failure of Tailings dam and Embankments
R. Singh D. Mitra, D. Roy

8:30 – 10:00 Oral presentation 4 July 2008 Friday
Parallel Session 4B -1: Climate, hydrology and slope responses (E)
Venue: ROOM 4-1 OF BUILDING NO. 10
Chairpersons: *C. Bonnard Limin Zhang L. Olivares*

Evaluation of the landslide potential in Chahr Chay dam reservoir slopes
K. Badv, K. Emami
Case Study: embankment failure of Cable-Ski Lake development in Cairns
Kejing Chen
Analysis method for slope stability under rainfall action
Xiao-dong Chen, Hong-xian Guo & Er-xiang Song
Hydrological modelling of the Vallcebre landslide
J. Corominas, R. Martín, E. Vázquez-Suñé
A small rock avalanche in toppled schist, Lake Wanaka, New Zealand
G.S. Halliday
A numerical case study on load developments along soil nails installed in cut slope subjected to high groundwater table
A. K. L. Kwong, C. F. Lee
Landslide "Granice" in Zagreb (Croatia)
Z. Mihalinec, Ž. Ortolan
Improvement of subsurface drainage provisions for recompacted soil fill slopes in Hong Kong
K. K. Pang, J. M. Shen, K.K.S. Ho & T.M.F. Lau

8:30 – 10:00 Oral presentation 4 July 2008 Friday
Parallel Session 4C-1: Risk assessment (G)
Venue: ROOM 6-1 OF BUILDING NO.10
Chairpersons: *Jordi Coromina, M.L. Lin*

Malaysian National Slope Master Plan – challenges to producing an effective plan
C. H. Abdullah A. Mohamed

Landslide risk management: experiences in the metropolitan area of Recife – Pernambuco, Brazil
Bandeira Ana Patrícia Nunes, Coutinho, Roberto Quental

Societal risk due to landslides in the Campania region (Southern Italy)
L. Cascini, S. Ferlisi & E. Vitolo
Landslide risk in the San Francisco Bay region
J.A. Coe R.A. Crovelli
Landslide Susceptibility Zonation of the Qazvin-Rasht-Anzali Railway Track, North Iran
H. Hassani , M. Ghazanfari
Global monitoring strategy applied to ground failure hazards
E. Klein C. Nadim, P. Bigarré & C. Dünner
Regional slope stability zonation based on the factor overlapping method
Jinfeng Liu, Guoqiang Ou & Yong You, Liu Jinfeng
Landslide hazard and risk assessment in the areas of dams and reservoirs of Serbia
P. Lokin B. Abolmasov

10:20 – 12:00 Oral presentation 4 July 2008 Friday
Parallel Session 4A-2 Advance in analytical methods, modelling and prediction of slope behavior (B)
Venue: ROOM 6-2 OF BUILDING NO. 10
Chairperson: *A.W. Malone*

Occurrence mechanism of rockslide at the time of the Chuetsu earthquake in 2004 — a dynamic response analysis by using a simple cyclic loading model
N. Tanaka, S. Abe, A. Wakai, H. Kawabata & M. Genda, H.Yoshimatsu
A novel complex valued neuron model for land slide assessment
Kanishka Tyagi, Vaibhav Jindal & Vipunj Kumar
Prediction of slope behavior for deforming railway embankments
V.V.Vinogradov, Yu.K.Frolovsky, A.Al.Zaitsev & I.V.Ivanchenko
Finite element simulation for the collapse of a dip slope during 2004 Mid Niigata Prefecture earthquake in Japan
A. Wakai, K. Ugai, A. Onoue, K. Higuchi, S. Kuroda
Slope failure criterion a modification based on strength reduction technique
Y.G.Wang, R.Jing, W.Z.Ren, Z.C.Wang
Unsaturated seepage analysis for a reservoir landslide during impounding
J.B. Wei J.H. Deng, L.G. Tham & C.F. Lee
A simple compaction control method for slope construction
L.D. Wesley
Effect of drainage facilities using 3D seepage flow analysis reflecting hydro-geological structure with aspect cracks in a landslide
Masao YAMADA, Keizo UGAI
3D finite element analysis on progressive failure of slope due to rainfall

G.L. Ye F. Zhang , A. Yashima

Block Group Method for Discontinuous Rock Masses:from Analysis to Decision-making

Zixin Zhang, Ying Xu & Hao Wu

Quantitative study on the classification of unloading zones of high slope

Da Zheng, Run-Qiu Huang

Investigations on the accuracy of the Simplified Bishop Method

D. Y. Zhu

10:20 – 12:00 Oral presentation 4 July 2008 Friday
Parallel Session 4B-2: Climate, hydrology and slope responses (E)
Venue: ROOM 4-1 OF BUILDING NO. 10
Chairperson: *M. Calvello*

Analysis of geo-hazards caused by climate changes

L.M. Zhang

Biotechnical slope stabilization and using Spyder Hoe to control steep slope failure

P. Raymond

Analysis of control factors on landslides in the Taiwan area

K. Shou, B. Wu & H. Hsu

Inclined free face riverbank collapse by river scouring

Ji-chao Sun, Guang-qian Wang

Assessment of regional rainfall-induced landslides using 3S-based hydro-geological model

C.H. Tan, C.Y. Ku, S.Y. Chi & Y.H. Chen, L.Y. Fei, J.F. Lee & T.W. Su

Investigation of a landslide along a natural gas pipeline (Karacabey-Turkey)

T. Topal, M. Akin

Influence of extreme rainfall on the stability of spoil heaps

I. Vanicek, S. Chamra

Geotechnical properties for a rainstorm-triggered landslide in Kisawa Village, Tokushima Prefecture, Japan

G. Wang, A. Suemine

Yigong rock avalanche-flow landslide event, Tibet, China

Qiang Xu, Shi-Tian Wang, Hu-Jun Chai, Zhuo-Yuan Zhang & Simeng-Dong

Key issues of emergency measures and comprehensive remediation projects to control the Danba landslide, Sichuan Province, China

Qiang Xu, Xuan-mei Fan, Liang-wei Jiang & Peng Liu

An issue in conventional approach for drainage design on slopes in mountainous regions

Z.Q. Yue

10:20 – 12:00 Oral presentation 4 July 2008 Friday
Parallel Session 4C-2: Risk assessment (G)
Venue: ROOM 6-1 OF BUILDING NO.10

Chairpersons: *H. Einstein Mingjing Jiang*

Failure probability for rock slope: an evaluation based on fuzzy set theory and Monte Carlo simulation
Hyuck-Jin Park, Jeong-gi Um, Ik Woo

Macro-zoning of areas susceptible to flowslide in pyroclastic soils in the Campania region
L. Picarelli, A. Santo & G. Di Crescenzo, L. Olivares

Zoning methods for landslide hazard degree
Jianping Qiao, Shi Lili

A proposal for a reliability rating system for fluvial flood defence embankments in the United Kingdom
M. Redaelli, S. Utili & M. Dyer

Simplified risk analysis chart to prevent slope failure of highway embankment on soft Bangkok clays
A. Sawatparnich, J. Sunitsakul

Determining Landslide Susceptibility along Natural Gas Pipelines in Northwest Oregon, USA
J. I. Theule, S. F. Burns , H. J. Meyer

Landslide susceptibility assessment using fuzzy logic
ZhiwangWang, Duanyou Li , Qiuming Cheng

Prediction of the spatiotemporal distribution of landslides: integrated landslide susceptibility zoning techniques and real-time satellite rainfall
Yang Hong, Robert F. Adler, George J. Huffman, Dalia Bach

The optimal hydraulic cross-section design of the “Trapezoid-V” shaped drainage canal of debris flow
Yong You , Huali Pan, Jinfeng Liu & Guoqiang Ou, Pan Huali

Technical Information

Plenary Sessions

All plenary sessions are held in the Conference Hall (See map of Shaanxi Guesthouse)

Parallel Sessions

All parallel sessions are held in Room No. 4-1, 6-1 and 6-2 of Building No. 10.

Technical Tours

Tour 1: Ming Sheng Palace-Zhong Ling landslide-Terra Cotta Warriors and Horses
Date: July 2 (Wednesday) Time:08:00-18:00
Coordinators: Dr. Xiaochun Li, Ms. Yaming Tang and Mr. Jiayun Wang

07:45	Get bus in Fron of Building No. 10
08:00	Depart for the Ming Sheng Palace
09:30-10: 30	Visit the Ming Sheng Palace
11:30-12:30	Visit the Zhong Ling Landslide at Weinan
13:00-14:00	Lunch at Lintong
14:00-16:00	Visit the Terra Cotta Warriors and Horses
16:30	Back to the Shaanxi Guesthouse.

Sponsors: International Consortium on Landslides (ICL)
The Northwest Centre of China Geological Survey

Tour 2: Tonghuang Highway-Huang Di Mausoleum- the National Loess Geological Park
Date: July 2 (Wednesday) Time:07:00-19:40
Coordinator: Dr. Hailong Zhu

06:45	Get bus in Front of Building No. 10
07:00	Departure for Chuankou Landslide
08:50-09:10	Visit Chuankou Landslide
10:00-10:30	Visit Xihe Landslide
11:20-12:00	Visit Huangdi's Mausoleum
12:00-13:00	Lunch
13:00-16:00	Visit the National Loess Geological Park
16:00	Back to Shaanxi Guest House.

Sponsors: The Highway Design and Research Institute of the Shanxi Province
Shanxi Freeway Administration Corporation

Speaker Ready Room

The speaker ready room will be located in the Room 121 on the 1st floor of the Building No.10.

Instruction for Speakers

● Presenters are suggested to prepare his/her presentation PowerPoint files no longer than 10 minutes for parallel session, 30 minutes for special lectures and 50 minutes for keynote lectures. All presenters are required to submit his/her PowerPoint files to Technical Ready Room No. 121 of Building No. 10.

● The speakers should contact their Session Chairs before the sessions. It is also expected to be present in the session room 15 minutes before the beginning to check the technical aspects of their presentation with the technical assistant in charge.

● The speakers who have not pre-submitted their "Biographical Form" and their presentation file are requested to submit them to Speaker Ready Room 121 of Building No. 10.

● The speakers may consult the announcements posted by the LOC on the information board located in the registration area in order to be informed about the last minute changes concerning the presentation schedule of their papers.

Instructions for Session Chairs

The success of the Conference largely on the smooth running of the technical sessions, and on the atmosphere created by the chairs and participants:

● The chairs of a session are required to meet and discuss with each other on how to share the duties. They are also expected to present in the session room 15 minutes before the beginning of the session to meet the speakers and to check the technical aspects of their session with the technical assistant in the room.

● Each technical session lasts 120 minutes. The chairs should allot roughly equal amount of time to all speakers for the presentation of their papers and for discussion.

Information Boards

Information boards are placed in the registration and meeting room area (lobby and 6th floor of Building No.10) for the messages and announcements issued by the LOC. Any message sent to the participants via Conference Secretariat will also be posted on the boards.

SOCIAL EVENTS AND ACCOMPANYING PERSONS' PROGRAM

Reception Party

Venue: Restaurant on 2nd Floor of Building No.10

Date: Monday, June 30. Time: 18:30-20:00

Please join us to mix and mingle with colleagues and friends participating in the 10th International Symposium on Landslides and Engineered Slopes. After a whole day of busy technical activity, we will meet at the restaurant on the 2nd floor of Building No.10 to enjoy traditional Chinese foods and make friends. Please be reminded of the Reception Party is included in the registration fee and be sure your badges are with you. For accompanying persons and delegates from Mainland of China who would like to participate in the reception party, please register on the registration desk to get a ticket, which costs RMB 300.

Culture Program

Date: July 1(Tuesday) Time: 17:00-21:30

Venue: Tang Paradise

16:50	Meeting at the lobby of Building 10 in the hotel
17:00	Departure for the Tang Paradise
17:45	Arrive at the Tang Paradise
18:10-19:30	Supper
20:15-20:40	Walk around the Garden and enjoy a variety of scenic and cultural attractions.
20:30-21:00	Enjoin water-screen movie : GREAT SAGE EQUALLING HEAVEN 25minutes
21:10-22:20	Enjoin The Tang Dynasty Music and Dance Show: DREAM BACK TO THE GREAT TANG DYNASTY
22:30	Return to the hotel
Sponsors:	Shanxi Water Resources and Water Power Design and Research Institute
	The Northwest General Exploration and Design Institute

Banquet

Venue: Restaurant No.10, 2nd floor

Time: July 3(Wednesday): 18:30-20:30

The Tang Dynasty Music and Dance Show, a wonderful performance of the ancient music and dance, is a must when you visit Xian. The city, which was formerly known as Chang'an has a very long history, and was the imperial capital during 13 dynastic periods. Of these, the Tang Dynasty (618 - 907) was the most prosperous and glorious of all. The Tang Dynasty Music and Dance Show is an outstanding exponent of this ancient stable and prosperous society, keeping alive its splendid culture and providing an insight into the peaceful life style of the period.

Accompanying Persons Program

June 30~July 4

June 30 (Monday):

08:00-08:30	Meeting at Lobby of Building No. 10
08:30-10:30	Visiting Xian City Wall, Shuyuan Gate
10:30-11:00	Leaving for Beilin Museum
11:00-12:00	Visiting Beiling Museum
12:00-13:00	Lunch
13:00-13:20	Leaving for Islamic mosques
13:30-15:30	Visiting Islamic mosques, The Great Mosque and Moslem Street
15:30-17:30	Visiting the Bell Tower and the Drum Tower
18:00	Back to Hotel

July 1(Tuesday)

09:00-09:30	Meeting at Lobby and leaving for Big Wild Goose Pagoda
09:30-10:30	Visiting Big Wild Goose Pagoda
10:30-11:00	Leaving for Small Wild Goose Pagoda
11:00-12:00	Visiting Small Wild Goose Pagoda
12:00-13:00	Lunch
13:00-16:00	Shopping
16:0-16:30	Back to Hotel

July 2 (Wednesday)

Technical tour

July 3 (Thursday)

09:00-09:30	Meeting at Lobby and leaving for visit sites
09:30-11:30	Visiting Shaanxi History Museum
12:00-13:00	Lunch
13:00-17:00	Visiting Banpo Village Remains Museum
17:00-18:30	Back to Hotel

July 4 (Friday)

07:45	Meeting at Lobby
08:00	Leaving for Qian Mausoleum, about 90 km away from Xi'an downtown
09:30-11:30	Visiting Qian Mausoleum
11:30-12:30	Lunch
12:30-15:30	Visiting Famen Temple, about 120 km away form Xi'an downtown
15:30-18:30	Back to Hotel
18:00	Back to the Shaanxi Guesthouse

POST-SYMPOSIUM TOUR

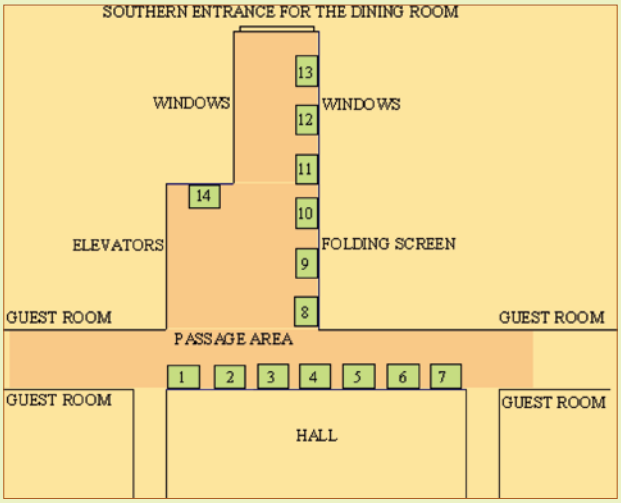
Xi'an-Chongqing-Three Gorges at the Yangtze Rive-Wuhan

July 5- July 7, 2008

July 5 (Saturday):	07:00	Breakfast
	07:30	Leaving for Shaanxi Xianyang Airport (Pick-up buses will park in front of Building No. 10)
	12:00	Arriving at Chongqing airport, boarding cruise and lunch
	18:30-19:00	Reception Party by captain
	19:00-20:30	Supper
July 6 (Sunday):	07:00	Breakfast
	08:00-11:00	Visiting the landslide real-time monitoring station at Wushan and Wushan county
	11:30	Back to cruise and lunch
	12:00-16:00	Visiting the Minor Three Gorges
	18:30	Farewell party
July 7 (Monday):	07:00	Breakfast
	08:00-10:00	Site visit of Qianjiangping Landslide
	11:30	Lunch
	12:00-16:00	Taking off the cruise and visiting the Three Gorges Project(including the peak of Tanziliang, Dam, and the high rock slopes along the double-lane five-steps ship lock)
	16:00-20:00	Taking bus to Wuhan
	20:00-21:00	Super
	21:00-22:00	The tour ends and the travel agency will help to arrange hotels for those who will stay in Wuhan overnight (the hotel fees are paid by delegates).

EXHIBIT FLOOR PLAN

List of exhibitors:
Utility Training Institute, UTI (1)
Beijing PT Equipment Co., Ltd (9,10)
Geokon Technology Co., Ltd (3)
Nepoch & Forum8
Technology Development(Shanghai) (8)
Dalian Mechsoft Co., Ltd (6)
Leica Geosystems Trade (Beijing) Co., Ltd (11)
Civil King Software Technology Co., Ltd (2)
Taylor & Francis Group (13)
Xi'an LETRY Testing Machine Co., Ltd (7)
Actidyn (5)
GCCL (12)
CnTech (4)



赞助单位
SPONSORS

中国水电工程顾问集团公司
中国长江三峡工程开发总公司
中科院成都山地灾害与环境研究所
河海大学
武汉大学
成都理工大学
长安大学
西安交通大学
西安理工大学
大连理工大学
长江水利委员会
珠江水利委员会
淮河水利委员会中铁西北科学研究院有限公司
长江勘测规划设计院
陕西省水利电力勘测设计研究院
西北综合勘测设计研究院
中国水电顾问集团西北勘测设计研究院
中国国家自然科学基金委员会
陕西省公路学会
陕西省公路勘察设计院
二滩公司，二滩公司锦屏建设管理局
广西右江水利开发有限公司
中水淮河工程有限公司
陕西省高速公路建设集团公司
贵州乌江水电开发有限公司
国电公司大渡河流域水电开发有限公司
中国水利水电第七工程局
中交第一公路工程局有限公司
国土资源部西安地质调查中心