



The First World Landslide Forum

Implementing the 2006 Tokyo Action Plan on the International Programme on Landslides (IPL)

–Strengthening Research and Learning on Earth System Risk Analysis and Sustainable Disaster Management within UN-ISDR as Regards “Landslides”–

Date: 18-21 November 2008, Venue: United Nations University, Tokyo, Japan

Organizers

International Consortium on Landslides (ICL), United Nations Educational, Scientific and Cultural Organization (UNESCO), World Meteorological Organization (WMO), Food and Agriculture Organization of the United Nations (FAO), United Nations International Strategy for Disaster Risk Reduction (UN/ISDR), United Nations University (UNU), United Nations Environment Programme (UNEP), World Bank (IBRD), United Nations Development Programme (UNDP), International Council for Science (ICSU), World Federation of Engineering Organizations (WFEO), Kyoto University (KU), Japan Landslide Society (JLS)

International Organizing Committee

Honorary Chairpersons

Salvano BRICENO (Director of UN/ISDR)
Michel JARRAUD (Secretary-General of WMO)
Govardhan MEHTA (President of ICSU)
Konrad OSTERWALDER (Rector of UNU)

Jacques DIOUF (Director-General of FAO)
Koïchiro MATSUURA (Director-General of UNESCO)
Shuzo NISHIMURA (Vice President of KU)

Chairperson

Kyoji SASSA (President of ICL, IPL World Centre)

Co-Chairpersons

Paolo CANUTI (European Centre of ICL, Florence)
Kazuhiro ISHIHARA (Director of DPRI-KU)
Badaoui ROUHBAN (Section Chief of UNESCO)

Srikantha HERATH (Ac. Programme Officer of UNU)
Howard MOORE (Senior Advisor of ICSU)
Robert SCHUSTER (U.S. Geological Survey)

Local Organizing Committee

Chairperson

Kaoru TAKARA (Executive Director of ICL, Prof. DPRI/KU)

Deputy Chairpersons

Hirotaoka OCHIAI (Forestry Agency of Japan), Roy SIDLE (Prof. DPRI/KU)

Secretariat

Hiroshi FUKUOKA (Secretary General, Treasurer of ICL, Assoc. Prof. DPRI/KU)
Osamu NAGAI (Deputy Secretary General, Research Promotion Officer of ICL)

Background and Objectives of the First World Landslide Forum



In January 2006, the 2006 Tokyo Action Plan on the International Programme on Landslides (IPL) was adopted by the international community. It proposed the global cooperating Network of the IPL, and established the IPL Global Promotion Committee and the IPL World Centre as its secretariat to coordinate and support implementation of the International Programme on Landslides. The relationship of IPL Global Promotion Committee, the IPL World Centre, ICL member organizations, and ICL supporting organizations is shown below. The adoption of the 2006 Tokyo Action Plan took place on the occasion of the 2006 Tokyo Round Table Discussion “Strengthening Research and Learning on Earth System Risk Analysis and Sustainable Disaster Management within UN-ISDR

as Regards Landslides”-towards a dynamic global network of the International Programme on Landslides (IPL) which was held at the United Nations University, Tokyo, from 18th to 20th January, 2006, to formulate a framework for cooperation and to identify focus areas to reduce landslide risk worldwide. It was further agreed that the 2006 Tokyo Action Plan would be implemented within the scope of the Hyogo Framework for Action 2005-2015, “Building the Resilience of Nations and Communities to Disasters”, adopted at the United Nations World Conference on Disaster Reduction held in Kobe, Hyogo, Japan in 2005.

The Action Plan proposed organizing a World Landslide Forum in order to bring together academics, practitioners, politicians, and other stakeholders to a global, multidisciplinary, problem-focused platform. The objectives of the First Landslides Forum (1st WLF) are the followings:

1. Promotion of research and exchange of experience through open Forums, Symposia and Thematic Sessions

2. Advances and achievements of International Programme on Landslides

Global Cooperating Fields of IPL: (1) Technology Development (Monitoring and Early Warning, Hazard Mapping, Vulnerability and Risk Assessment), (2) Targeted Landslides (Catastrophic Landslides, Landslides Threatening Heritage Sites), (3) Capacity Building (Enhancing Human and Institutional Capacities, Collating and Disseminating Information/ Knowledge), (4) Mitigation, Preparedness and Recovery

3. Designation of World Centres of Excellence on Landslide Risk Reduction

“The Global Promotion Committee (GPC) of the International Programme on Landslides (IPL) will identify and promote World Centres of Excellence (WCoEs) at the First World Landslide Forum.

Supported by the Grant-in-Aid for Publication of Scientific Research Results (No.2063001) of the Ministry of Education, Culture, Sports, Science and Technology-Japan



Supported by the Commemorative Organization for the Japan World Exposition ('70).

The First World landslide Forum

11-12 Nov.		Satellite Conference “Management of landslide hazard in Asian Pacific Region.	Sendai-city, Miyagi Prefecture
12-15 Nov.		Field Trip on large-scale landslides and earthquake induced landslides, Mountain collaps	From Sendai to Nagaoka, Niigata Pref.
17 Nov. (Mon)	AM	7 th Session of Board of Representatives of ICL	E.Rose Hall, UNU
	PM	3 rd IPL Global Promotion Committee (Elizabeth Rose Hall)	UNITWIN/UNESCO Chair Disaster Reduction Joint Meeting (U-Thant Hall)
18 Nov. (Tue)	AM	Opening Session and Open Forum “Progress of IPL Activities”	U-Thant Hall, UNU
	PM	Plenary Symposium “Global Landslide Risk Reduction”	U-Thant Hall, UNU
	Eve.	Welcome Reception (18:30-21:00)	Aoyama Gakuin Uni
19 Nov. (Wed)	AM	3 keynote lectures (9:00-10:30)	U-Thant Hall, UNU
		Parallel Thematic Sessions & General Sessions	5-7 Rooms
	PM	Parallel Thematic Sessions & General Sessions Public Forum “Protection of Society and Cultural and Natural Heritage from Landslides in Japanese	5-7 Rooms
20 Nov. (Thurs)	AM	3 keynote lectures(9:00-10:30)	U-Thant Hall, UNU
		Parallel Thematic Sessions & General Sessions	5-7 Rooms
	PM	Parallel Thematic Sessions & General Sessions	5-7 Rooms
21 Nov. (Fri)	AM	Address & Review of Sessions (9:00-10:00)	U-Thant Hall, UNU
		High-level panel Discussion “Socio-Economic Impact of Landslides and Global Change –Research and risk reduction” – Toward the second world landslide forum (10:30-12:30)	
	PM	Closing Session: Adoption of output document, Presentation of New IPL Projects, Conferment of WCoE and ICL Awards, Welcome to the Second WLF 2011 by host organization	
	Eve.	Post-Conference Dinner	

Plenary Forum, Symposium and Keynote Lectures

Open Forum “Progress of IPL Activities” (10:45-12:30 on 18 November)

Chairpersons: Peter Lyttle (US Geological Survey), Paolo Canuti (European Centre of ICL)

- (1) Progress of the International Programme on Landslides
Objectives of IPL and WLF Kyoji Sassa (President of ICL)
- (2) Reports of IPL Projects
Assessment of global high-risk landslide disaster hotspots.
Farrokh Nadim (International Centre for Geohazards)
International summer school on rockslides and related phenomena in the Kokomeran river valley,
Tien Shan, Kyrgyzstan Alexander Strom (Institute of Geospheres Dynamics, Russia)
Landslide investigation and capacity building in Machu Picchu – Aguas Calientes Area
Kyoji Sassa (IPL World Centre, Japan)
- (3) Open Discussion on IPL
Management of IPL Nicola Casagli (IPL Management Committee)
Discussion from floor

Plenary Symposium “Global Landslide Risk Reduction” (14:00-17:30 on 18 November)

Chairpersons: Peter Bobrowsky (Geological Survey of Canada), Edward Bromhead (Kingston College, UK)

- Special Report :** Landslides triggered by the 2008 Sichuan earthquake and their impact
Yeping Yin (China Geological Survey)
- Landslide risk assessment and mitigation strategy
Suzanne Lacasse (Norwegian Geotechnical Institute)
- Understanding to predict
Luciano Picarelli (Second Napoli University, Italy)
- Research toward the mitigation of debris flow disasters
Tamotsu Takahashi (Assoc. for Disas. Prev. Research, Japan)
- A review of submarine mass movements and their consequences
Jacques Locat (Laval University, Canada)

Keynote Lectures (9:00-10:30 on 19 November and 20 November)

- Satellite remote sensing applications for landslide detection and monitoring
Vern Singroy (Canada Centre for Remote Sensing)
- Huge landslides caused by massive earthquakes and Long-lasting risks
Kazuo Konagai (University of Tokyo)
- Incorporating spatial, temporal, and climate variability into tools for assessing post wildfire debris-flow hazards
Susan Canon (U.S. Geological Survey)
- Recovery of the Buddha's niches and cliff in Bamiyan (Central Afghanistan) after the destruction of 2001
Claudio Margottini (Italian Environment Protection and Technical Services Agency)

Parallel Thematic Sessions

1. A Look from Space

- Satellite remote sensing applications for landslide detection and monitoring
 - Models for landslide warning based on satellite weather forecasts
 - Remote sensing from airborne and ground-based sensors
 - Extra-terrestrial landslides
- Conveners:** Nicola Casagli (Florence University, Italy), Robert Adler (NASA, USA)
e-mail : session1@iclhq.org

2. Case Studies and National Experiences

- Landslides in specific regions such as Central Asia, Latin America, Balkan, etc.
- Landslides in Loess, quick-clays, Volcanoes, mining or power plant sites, etc.
- Case studies highlighting national experiences in recovery, policy changes and mitigation needs
- Case studies on success stories of regional or national landslide risk

Conveners: Srikantha Herath (UNU, Japan)
e-mail : session2@iclhq.org

3. Catastrophic slides and Avalanches

- Megalandslides
- Palaeo landslides, avalanches and their dating
- Rockslide dams and their failures
- Debris avalanches and lahars
- Environmental and socio-economic impact

Conveners: Aleksander Strom (Institute of Geospheres Dynamics, Russia),
Steve Evans (Waterloo Univ., Canada)
e-mail : session3@iclhq.org

4 Climate change and Slope instability

- Climate change scenarios and consequences
- El Niño/La Niña and North Atlantic Oscillation effects on slope instability
- Monsoon rainfall irregularity
- Desertification, weathering and erosion
- Glacial lake outburst floods
- Landslides in frozen soils

Conveners: John Clague (Simon Fraser Univ., Canada)
Marta Chiarle (CNR - IRPI sede di Torino, Italy)
Hiromichi Fukui (Keio Univ., Japan)
e-mail : session4@iclhq.org

5. Landslides threatening Heritage sites

- Contribution of archeology to paleo-landslides
- Landslide risk evaluation for long-standing cultural heritage
- Vulnerability of cultural heritage related to landslides: Physical and socio-economic vulnerability)
- Landslide risk mitigation technology suitable for cultural heritage
- Policy and advocates related to cultural heritage and landslides

Conveners: Paolo Canuti (Florence Univ., Italy),
Claudio Margottini (APAT:Italian Environment Protection and Technical Services Agency),
Edward Bromhead (Kingston College, UK)
e-mail : session5@iclhq.org

6. Economic and Social Impact of Landslides

- Landslide loss estimation
- Social vulnerability
- Landslides and land use policy linkages
- Case studies on recovery and resettlement
- Insurance for landslide risk reduction
- Investments for landslide risk reduction

Conveners: Oddvar Kjekstad (ICG - NGI, Norway), Lynn Highland (USGS, USA)
e-mail : session6@iclhq.org

7. Education, Capacity Building and Public Awareness for Disaster Reduction

- Importance of education for natural disaster reduction
- Strategies for promoting education for natural disaster reduction
- Raising awareness of school teachers and community leaders
- Development of guidelines and educational tools

Conveners: Badaoui Rouhban (UNESCO, France), Rajib Shaw (Kyoto Univ., Japan)
e-mail : session7@iclhq.org

8. Environmental Impact of Landslides

- Impact of landslides on streams, rivers, aquatic habitats
- Impact of landslides on water quality and potability
- Impact of landslides on terrestrial ecosystems and wildlife habitat
- Impact of landslides on earth's topography and scenery

Conveners: Marten Geertsema (British Columbia Forest Service, Canada)
e-mail : session8@iclhq.org

9. International Cooperation Initiatives

- Global Platform for Disaster Reduction-UN/ISDR
- International Geoscience Programme (IGCP)-UNESCO/IUGS
- International Hydrological Programme (IHP)-UNESCO
- Disaster Prevention and Mitigation (DPM) Program- WMO
- Global Facility for Disaster Reduction (GFDR) – World Bank
- Natural and Human-induced Environmental Hazards and Disasters Program-ICSU
- Integrated Global Observing Strategy (IGOS)
- International Flood Initiative (IFI) and Internationals Sediment Initiative (ISI)
- Joint Technical Committee on Landslides and Engineered Slopes of ISSMGE, IAEG and ISRM
- International Year of Planet Earth (IYPE)

Conveners: Wolfgang Eder (ICL, Germany) , Kaoru Takara (Kyoto Univ., Japan)
e-mail : session9@iclhq.org

10. Landslides in General

This session is planned to accommodate papers and posters dealing activities which are not included in other sessions.

- Landslide research and investigation
- Capacity building activities
- Landslide risk mitigation activities

Conveners: WLF Secretariat, e-mail: session10@ iclhq.org

- Landslide risk mitigation activities

Conveners: WLF Secretariat, e-mail: session10@iclhq.org

11. Landslides and Multi-hazards

- Earthquake-induced landslides
- Landslides and volcanoes
- Landslides and floods
- Marine landslides and tsunami

Conveners: Hideaki Marui (Niigata Univ., Japan), Farrokh Nadim (ICG - NGI, Norway)
e-mail : session11@iclhq.org

12. Mapping: Inventories, Susceptibility, Hazard and Risk

- Landslide inventories
- Landslide hazard and risk mapping methods at different scales
- National and international landslide hazard and risk mapping strategies and projects
- Links with mitigation measures and land use planning policy
- Landslide hazard and risk assessment at regional scales from developing countries

Conveners: Javier Hervas (JRC, Italy), Peter Bobrowsky (Geological Survey of Canada)
Hiromitsu Yamagishi (Niigata Univ., Japan)
e-mail : session12@iclhq.org

13. Monitoring, Prediction and Early warning

- Technological development of monitoring and data transfer devices
- Monitoring, early warning and evacuation systems
- Modelling for triggering and runout for time and site prediction
- Which early warning systems are most effective in various settings and scales
- Living with landslides and awareness raising

Conveners: Kyoji Sassa (ICL, Japan), Luciano Picarelli (Seconda Università di Napoli, Italy)
Yin Yueping (China Geol. Survey, China)
e-mail : session13@iclhq.org

14. Policy and Institutional framework for Disaster Reduction

- Living with landslides and awareness raising
- Policies on Landslide Mitigation and Risk Reduction
- Model of National Slope Master Plan
- Legislation on Landslide Mitigation for Infrastructure and Residential Development
- Harmonisation and Legislation Enhancement
- Development of Guidelines and Knowledge Kit for Practitioners

Conveners: Gue See Saw (WFEO, Malaysia), Dwikorita Karnawati (Gadjah Mada University, Indonesia)
e-mail : session14@iclhq.org

15. Rainfall, Debris flows and Wildfires

- Debris flows, flowslides, liquefied landslides
- Rainfall triggering of shallow-rapid landslides
- Influence of wildfires on slope instability
- Landslides in river systems
- Prevention measures and erosion control
- Raising public awareness on preparedness and response to landslide hazards

Conveners: Jerome De Graff (US Forest Service, USA),
Hirotaka Ochiai (Forestry and Forest Product Research Institute, Japan)
e-mail : session15@iclhq.org

16. Risk Management Strategies in Urban Areas

- Land use planning for landslide disaster reduction
- How to plan and build in unstable areas – Guidelines and building codes
- Effects of excavation and artificial fills in urbanization
- Recovery from landslide disasters
- Landslide management strategy in urban area
- Risk transfer mechanisms in different nations

Conveners: Villagran de Leon (UNU, Germany), David Petley (Univ. Durham, UK),
Nelson Fernandes (Federal University of Rio de Janeiro, Brazil)
e-mail : session16@iclhq.org

17. Engineering Measures for Landslide Disaster Mitigation

- Non structural measures for landslide mitigation (slope geometry modification, ground water control, vegetative biotechnical slope stabilization)
- Structural measures for landslide mitigation (retaining structures, stabilizing piles and micropiles, ground anchors, grouting)
- Debris flow disaster mitigation measures
- Rock fall disaster mitigation measures
- Back analysis of landslides to design mitigation measures
- Levels of effectiveness and acceptability that may be applied in the use of landslide mitigation measures

Conveners: Mihail Popescu (Illinois Inst. Technology), Katsuo Sasahara (Kochi Univ., Japan)
e-mail : session17@iclhq.org

18. Watershed and Forest Management for Risk Reduction

- Effects of forest harvesting, mountain roads, prescribed burning
- Reforestation to rehabilitate landslide affected areas
- Effects of forest conversion and rehabilitation strategies in developing nations
- Protection forests against landslides and debris flow runout.
- Upslope forest management practices with downstream social consequences
- Watershed management policy to mitigate landslide risk

Conveners: Thomas Hoffer (FAO, Italy), Roy Sidle (Kyoto Univ., Japan), Libor Jansky (UNU, Germany)
e-mail : session18@iclhq.org

Other parallel activities (PA)

P1. Exhibition of Landslides and Risk Mitigation of the World (4-30 November)

The exhibition of landslides and risk mitigation of the world is displayed at the Exhibition Hall on the second floor of the United Nations University. Photos, posters, videos, model for landslide mechanism, investigation, risk mitigation measures are requested to present. Free of charge for this display.

P2. Public Forum “Protection of Society and Cultural and Natural Heritage from Landslides” in Japanese

I. Protection of society and cultural and natural heritages

- 1) Japanese contribution to UN-ISDR, by Salvano Briceno, Director of UN/ISDR
- 2) Role of UNESCO in Disaster Education, by Badaoui Rouhban, Chief for Disaster Reduction in UNESCO
- 3) What is Landslides? Significance of Landslide Research, by Hideaki Marui, President of Japan Landslide Society
- 4) Landslides and Cultural Heritage
 - Inca’s World Heritage Machu Picchu, by Kyoji Sassa, President of ICL
 - Budda’s Niches in Bamyán, Afganistan, by Claudio Margottini, Italian Ministry of Environment

II. Landslide for children

- 1) Landslide Investigation by Children from the landslide disaster areas
 - Children from Guinsaogon, Leyte, Philippine
 - Children from Saijyo-city, Ehime Prefecture, Japan
 - Children from Yamakoshi-village, Niigata Prefecture, Japan
 - 2) Let’s talk for landslide disaster reduction
 - Children, Mayors of three cities and village, Disaster reduction coordinators, and experts.
- Contact:** Kyoji Sassa (sassa@iclhq.org), Hideaki Marui (maruihi@cc.niigata-u.ac.jp)

P3. Dialogues on country landslide issues

Those who have been involved in landslide issues as government officers, developers, managers of entities in planning of development and management of lands may join free talk and information exchange on country landslide issue. Preparation of papers are not necessary.

Contact: Srikantha Herath (herath@hq.unu.edu: UNU, Tokyo)

P4. Consultation of specific landslides

Those which are involved in or suffered from specific landslides which are difficult to solve, good to tackle with international cooperation are invited to have an introduction.

Outline documents (free format) on the landslide are requested to present in advance, possibly in together with types or names of expected cooperating organizations or groups or individuals from participants. Landslide experts are requested to attend it as volunteers.

Contact: wlf@iclhq.org

Important Information of the First World Landslide Forum

Registration for Presentation			
Download the Registration Form and Abstract Form from WEB of the World Landslide Forum (above) and fill and send it to: Session conveners such as session1@iclhq.org , session2@iclhq.org , SessionN@iclhq.org (N = 3-18) as well as wlf@iclhq.org . Application to General session should be addressed to session10@iclhq.org as well as wlf@iclhq.org .			
Proceedings of the First World Landslide Forum			
Mono-color proceedings (4 pages/paper) contain accepted papers by registered participants in the forum. Web proceedings (4-20 pages/paper in full color) which will be uploaded in ICL server contain all accepted papers both by participants and non-participants. All papers should be formatted in the example pages shown in the Web: http://www.iclhq.org/WLFweb/Presenters.html			
Deadlines of Submission			
1 August 2008	Submission of Registration and Abstracts to session conveners and wlf@iclhq.org		
1 September 2008	Submission of Full papers to session conveners and wlf@iclhq.org		
Information and Contact			
WEB Site	http://www.iclhq.org/WLFweb/WLF.htm	E-mail	wlf@iclhq.org
Secretariat	IPL World Centre, UNITWIN Headquarter Building, Kyoto University Uji Campus, Uji, Kyoto 611-0011, Japan. Telephone:+81-774-38-4834, +81-75-723-0640		



International Consortium on Landslides

An international non-government and non-profit scientific organization promoting landslide research and capacity building for the benefit of society and the environment

President: Kyoji Sassa (Prof. Emeritus, Kyoto University)

Vice Presidents: Peter Bobrowsky (Geological Survey of Canada) / Paolo Canuti (University of Firenze, Italy) / Oddvar Kjekstad (International Centre for Geohazards, Norway) / Peter Lyttle (U. S. Geological Survey, USA)

ICL Supporting Organizations:

The United Nations Educational, Scientific and Cultural Organization (UNESCO) / The World Meteorological Organization (WMO) / The Food and Agriculture Organization of the United Nations (FAO) / The United Nations International Strategy for Disaster Reduction Secretariat (UN/ISDR) / The United Nations University (UNU) / International Council for Science (ICSU) / World Federation of Engineering Organizations (WFEO) / International Union of Geological Sciences (IUGS) / Governments of Japan, USA, Italy, Canada, Norway, Korea, Czech Republic, and Slovakia.

ICL Members:

Geological Survey of Canada / Chinese Academy of Sciences, Chengdu Institute of Mountain Hazards and Environment / Jilin University, Environmental Geological Disaster Research Institute, China / Xian Municipal Government, Lishan Landslide Prevention and Control Office, China / Northeast Forestry University, China / Xi'an Jiaotong University, Department of Civil Engineering, China / China Three Gorges University, Institute of Geological Hazard Mitigation / China Geological Survey / Universidad Nacional de Columbia, Columbia / Charles University, Faculty of Science, Czech Republic / Technische Universitat Darmstadt, Institute and Laboratory of Geotechnics, Germany / Mekelle University, Ethiopia / Building & Housing Research Center, Iran / International Institute of Earthquake Engineering and Seismology (IIEES), Iran / Agricultural Research and Educational Organization (AREO), Iran / European Commission's Joint Research Centre, IPSC/HSU, Italy / University of Firenze, Earth Sciences Department, Italy / Center of Geological Environment, Geological Agency of Indonesia/ University of Gadjah Mada, Indonesia/Ehime University, Faculty of Engineering, Japan / Forestry and Forest Product Research Institute, Japan / Japan Landslide Society / Kyoto University, Disaster Prevention Research Institute, Research Section for Innovative Disaster Prevention Technology and Policy, Japan / Kyoto University, Disaster Prevention Research Institute, Research Centre on Landslides, Japan / Niigata University, Research Center for Natural Hazards and Disaster Recovery, Japan / University of Tokyo (Institute of Industrial Science and Department of Civil Engineering, Geotechnical Engineering Group), Japan / Korea Institute of Geoscience and Mineral Resources (KIGAM) / Mara University of Technology, Malaysia / International Centre for Integrated Mountain Development (ICIMOD), Nepal / International Centre for Geohazards (ICG) in Oslo, Norway / Grudec Ayar, Peru / Proexrom S.R.L. Technical University, Civil Engineering Faculty, Romania / Federal State Unitary Geological Enterprise Scientific Centre HydGeo, Russia / Russian Academy of Sciences, Institute of Environmental Geoscience (IEG RAS) / Russian Academy of Sciences, Institute of the Geospheres Dynamics / Unified Energy System of Russia, Open Joint-Stock Company Engineering Centre / Engprotection, Russia / Comenius University, Faculty of Natural Sciences, Department of Engineering Geology, Slovakia / University of Ljubljana, Faculty of Civil and Geodetic Engineering (UL FGG), Slovenia / Swedish Geotechnical Institute / Swiss Federal Institute for Snow and Avalanche Research (SLF) / Ministry of Agriculture and Cooperatives, Land Development Department, Thailand / U.S. Geological Survey, USA / National Aeronautics and Space Administration (NASA), Goddard Space Flight Center, Laboratory for Atmospheres, USA / Institute Hydroingeo, State Committee of Geology of Uzbekistan

ICL Supporters:

Marui & Co., Ltd., Osaka, Japan / Eight Consultants Co., Ltd., Okayama, Japan / Geo-Research Institute, Osaka, Japan / GODAI Development Corp., Kanazawa, Japan / Japan Conservation Engineering & Co., Ltd., Tokyo / Kokusai Kogyo Co., Ltd., Tokyo, Japan / Kowa Co., Ltd., Niigata, Japan / Nippon Koei Co., Ltd., Tokyo, Japan / Ohta Geo-Research Co., Ltd., Nishinomiya, Japan / OSASI Technos Inc., Kochi, Japan / OYO Corporation, Tokyo, Japan / Research Center of Computational Mechanics, Inc., Tokyo, Japan / Sabo Technical Center, Tokyo, Japan / Sakata Denki Co., Ltd., Tokyo, Japan

Contact : UNITWIN Headquarter Building

Kyoto University Uji Campus, Uji, Kyoto 611-0011, Japan

E-mail: secretariat@iclhq.org, Web: <http://iclhq.org>

Tel: +81-774-38-4834, Fax: +81-774-38-4019

Parallel Sessions on 19, 20 November 2008

Date	Time	Room A (Theater) U-Thant Hall, 3F	Room B (Round + School) Elizabeth Rose Hall, 5F	Room C (Chairs) Reception Hall, 2F	Room D, E, F (3 additional rooms)	Room G Committee Room 1, 5F	
19 November(Wednesday)	9:00-10:30	Keynote lectures in U-Thant Hall					
	11:00-12:30	A look from space (1)	Education, Capacity Building and Public Awareness for Disaster Reduction (7)	Mapping: inventories, susceptibility, hazard and risk (12)	General/Combined Session 19-1 (D, E, F)	International cooperation initiatives (9)	
	12:30-14:00	Poster presentation of research, institutes and instruments around U-Thant Hall, 3-4 Floor Exhibition of Landslides and Risk Mitigation of the World, 2 Floor (P1)					
	14:00-15:30	Landslides and multi-hazards (11)	Watershed and forest management for risk reduction (18)	Public Forum "Protection of Society and Cultural and Natural Heritage from Landslides in Japanese (P2)	General/Combined Session 19-2 (D, E, F)	Dialogue on Country landslide issues (P3)	
	16:00-17:30	Monitoring, prediction and early warning (13)	Cultural heritage and landslides (5)		General/Combined Session 19-3 (D, E, F)	Consultation of specific landslides (P4)	
	9:00-10:30	Keynote lectures in U-Thant Hall					
20 November(Thursday)	11:00-12:30	Rainfall, debris flows and wildfires (15)	Risk management strategies in urban areas (16)	Economic and Social Impact of Landslides (6)	General/Combined Session 20-1 (D, E, F)		
	12:30-14:00	Poster presentation of research, institutes and instruments around U-Thant Hall, 3-4 Floor Exhibition of Landslides and Risk Mitigation of the World, 2 Floor (P1)					
	14:00-15:30	Climate change and slope instability (4)	Engineering Measures for Landslide Disaster Mitigation (17)	Environmental Impact of landslides (8)	General/Combined/New Session 20-2 (D, E, F)	IPL Global Promotion Committee (for Members)	
	16:00-17:30	Catastrophic slides and avalanches (3)	Case studies and National Experiences (2)	Policy and Institutional frame work for Disaster Reduction (14)	General/Combined/New Session 20-3 (D, E, F)		

*** Call for Papers and Speakers in thematic sessions and general sessions or new sessions until 1 August 2008.**

*** 3 rooms (Room D, E, F) are prepared to accommodate oral presentations of accepted papers in thematic, combined of two thematic, general or new sessions.**

*** Final time-slot and room-allocation for sessions shall be decided after the submission of full papers before 1 September 2008.**