

国際シンポジウム INTERPRAEVENT2014

～強靱さを備えた社会を構築するための減災対策～

環太平洋インタープリベント協議会
インタープリベント 2014 実行委員会

期 日：平成 26（2014）年 11 月 25 日（火）～28 日（金）

開催地：奈良県奈良市（会場：奈良県新公会堂）

主 催：インタープリベント 2014 実行委員会、環太平洋インタープリベント協議会

共 催：International Research Society INTERPRAEVENT、（公社）砂防学会

後 援：国土交通省、奈良県

協 賛：（一社）全国治水砂防協会、（一財）砂防・地すべり技術センター、
（一財）砂防フロンティア整備推進機構、（一社）国際砂防協会

目 的：

世界各地において、土砂災害や洪水が多発している中、近年特に、気候変動の影響による豪雨や台風、地震、火山噴火等に起因する大規模な土砂災害が頻発しており、これら様々な現象に対して、適切な対応策を検討し、それらを進めていく必要があります。このためには、今後の防災に関する研究及び考察を深め、その成果を積極的に世界の技術者、研究者、行政関係者、教育関係者及びその他、土砂災害への関心を持つ全ての人々に発信していくことが極めて重要となっています。

そこで、2011年9月に台風12号の豪雨に起因する大規模な土砂災害に見舞われた奈良県において、2014年11月に「インタープリベント2014」を開催することとしました。

テーマ：強靱さを備えた社会を構築するための減災対策

開催規模：国内外から 300 名程度

日 程：

	午 前	午 後	夜
2014 年 11 月 25 日（火）	受付	開会式、基調講演	意見交換会
11 月 26 日（水）	口頭発表	口頭発表、 ポスターセッションコアタイム	
11 月 27 日（木）	現地視察研修	現地視察研修	
11 月 28 日（金）	口頭発表	パネルディスカッション、 閉会式	

※ポスターセッションと同会場にて、企業展示ブースを設けています。

参加費用：

研究者・技術者・行政職員等 25,000 円、

学生 10,000 円、随行者 10,000 円

昼食代 1,000 円/日

○意見交換会費 5,000 円

○現地視察研修会費 5,000 円（昼食代含む）

※別途、宿泊費がかかります。

参加申し込みは、下記のインタープリベント 2014 ホームページもしくは末頁の申込用紙にて、10 月 31 日までに



奈良県新公会堂

行ってください。

なお、本シンポジウムは CPD 単位の取得対象となっています。

URL: <http://interprevent2014.com/>

言語：使用する言語は英語です。

基調講演：能楽ホール

日本、台湾、インドネシア、オーストラリア、スイスから、それぞれの国における災害の状況、特に大規模な土砂災害の状況について紹介していただくとともに、災害への対応状況や災害対策、災害に関する研究の状況についてお話しさせていただきます。

研究発表：

オーストラリア、中国、フランス、ドイツ、インドネシア、日本、メキシコ、ネパール、ノルウェー、スリランカ、スイス、台湾、イギリスの 13 カ国 98 編の論文を、口頭セッションとポスターセッションに分けて研究発表を行います。

(口頭セッション)：第 1・2、第 3・4 会議室

発表内容によって各トピックスに区分され、口頭発表 (15 分) に各 5 分の質疑応答となります。

(ポスターセッション)：レセプションホール

研究発表ポスターは、11 月 26 日 (水) に展示されます。26 日の 13:30~15:30 までコアタイムが設定されています。

企業展示・写真展示：レセプションホール及びギャラリー

9 件の企業展示をレセプションホールで、国内外の大規模な土砂災害等の写真展示をギャラリーで、11 月 25 日 (火) から 26 日 (水) に行います。

パネルディスカッション：能楽ホール

豪雨・地震・火山噴火等に起因する大規模土砂災害に焦点を当て、現象の特徴や緊急対応、警戒避難、監視体制等について、日本、台湾、インドネシア、オーストラリアの研究者による総合的な議論を行います。

現地研修会：(各コースとも参加可能人数に限りがございますので、ご希望に添えない場合がございます。)

※「①深層崩壊コース」「②亀の瀬地すべりコース」は定員となりましたので申し込みを締め切りました。

現地研修には、次の 3 コースを予定しています。①深層崩壊コースとして奈良県五條市の赤谷の崩壊等を視察するコース、②地すべりと文化遺産コースとして奈良県と大阪府の境に存在する亀の瀬地すべり等を視察するコース、③文化・観光コースとして随伴者等を対象として奈良市内の史跡を巡るコース。



奈良県五條市大塔町赤谷地区に発生した河道閉塞 (天然ダム)



亀の瀬地すべり地区



薬師寺

トピックス：

このシンポジウムの中心課題である「強靭さを備えた社会を構築するための減災対策」は、以下の5つのトピックスに大別されています。

- ①大規模災害 ②メカニズムとモニタリング ③モデリングとシミュレーション ④ハード対策
- ⑤ソフト対策と危機管理

実行委員会（敬称略）：

- 委員長 石川 芳治（インタープリメント理事、東京農工大学教授、公益社団法人砂防学会会長）
- 委員 岡本 正男（環太平洋インタープリメント協議会会長、一般社団法人全国治水砂防協会理事、一般社団法人国際砂防協会理事長）
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- 監事 松村 和樹（京都府立大学教授）

名誉顧問（敬称略）：荒井 正吾（奈良県知事）

顧問（敬称略）：丸井 英明（インタープリメント副会長、新潟大学教授）

お問い合わせ・お申込み：

インタープリメント 2014 実行委員会事務局
〒102-0093 東京都千代田区平河町 2-7-5
（一社）国際砂防協会 原・野間
TEL: 03-6380-9044 FAX: 03-3261-5449
E-mail: kyokai@kokusaisabo.or.jp
URL: <http://interpraevent2014.com>

インタープリバント2014参加申し込み書

※1. 深層崩壊コース、2.
亀の瀬地すべりコースは定
員となりましたので申し込み
を締め切りました。

名前(英語表記)	年齢	国(英語表記)	所属(英語表記)	役職(英語表記)	Eメールアドレス	参加種別	現地研修会 (第1希望)	現地研修会 (第2希望)	意見交換会	同伴者名(英語表記)	昼食(1日目)	昼食(2日目)	昼食(4日目)	支払方法
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求
						一般・学生・同伴者	1・2・3・不参加	1・2・3・不参加	参加・不参加		要・否	要・否	要・否	現金・請求

・FAX、E-mailにてお申し込みください。

・本申込用紙の電子データ(エクセルファイル)は、以下のURLからダウンロードできますので、必要な方はご利用ください。

<http://www.kokusaisabo.or.jp/interpraevent2014/moushikomi.xlsx>

INTERPRAEVENT2014 in the Pacific Rim (Program)
“Natural Disaster Mitigation to Establish Society with the Resilience”

Venue: Nara Prefectural New Public Hall

【1st day (25 Nov., Tuesday)】

	Venue: Noh Theatre
	Opening Ceremony
	Speech from the sponsor
13:00-13:10	Yoshiharu Ishikawa (Chairman, Organizing Committee of INTERPRAEVENT2014)
	Congratulatory speech from the guests
13:10-13:20	Kurt Rohner (Chairman, The International Research Society INTERPRAEVENT)
13:20-13:30	(Minister of Land, Infrastructure, Transport and Tourism)
13:30-13:40	Bernhard Zimburg (Ambassador, Embassy of the Republic of Austria in Japan)
13:40-13:50	Shogo Arai (Governor, Nara Prefecture)
14:00-14:30	[Keynote Speech 1] Hiroyuki Ono (Director General, Sabo Department, Ministry of Land, Infrastructure, Transport and Tourism, Japan)
14:30-15:00	[Keynote Speech 2] Yoshiharu Ishikawa (Professor, Tokyo University of Agriculture and Technology, Japan)
15:00-15:20	Break Time
15:20-15:50	[Keynote Speech 3] Chen-Yang Lee (Deputy Director General, Soil and Water Conservation Bureau Council of Agriculture, Taiwan)
15:50-16:20	[Keynote Speech 4] MUDJIADI (Director General of Water Resources, Ministry of Public Works, Indonesia)
16:20-16:50	[Keynote Speech 5] Maria Patek (Head of the unit Torrent and Avalanche Control, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria)
16:50-17:20	[Keynote Speech 6] Josef Hess (Vice Director, Federal Office for the Environment, Switzerland)

18:00-20:00 Welcome Reception

Venue: Half Time, Nara National Museum

【2nd day (26 Nov., Wednesday)】

	Venue: Conference Room 1-2	Venue: Conference Room 3-4
	Oral Session 1: Catastrophic Disaster (1)	Oral Session 4: Mechanism and Monitoring (1)
9:00-9:20	[O-1] Atsuko NONOMURA*, Shuichi HASEGAWA “An algorithm for mapping precursory topographic features of deep-seated landslide”	[O-13] Shin'ya KATSURA*, Takashi KIMURA, Kazuhiro HATADA, Kiyoteru MARUYAMA, Kazuya AKIYAMA “Topographic features of snowmelt-induced landslide locations with long travel distances in Japan”
9:20-9:40	[O-2] Atsuhiko KINOSHITA*, Naohiro	[O-14] Takeshi OSAKA, Rei

	ISOGAI, Tadanori ISHIZUKA, Makoto OYAMA, Ryo SAKAI, Tatsuya SHIBASAKI, Yoichi HASEGAWA, Takayuki Mayumi, Yoshito OGAWAUCHI “A Study of the Properties of Discontinuities that caused the Deep-Seated Catastrophic Landslides on the Kii Peninsula, Japan, in 2011”	UTSUNOMIYA, Satoshi TAGATA, Takahiro ITOH*, Takahisa MIZUYAMA “Debris Flow Monitoring using Load Cells in Sakurajima Island”
9:40-10:00	[O-3] Hefryan Sukma KHARISMALATRI*, Hitomi KIKUCHI, Yoshiharu ISHIKAWA, Takashi GOMI, Katsushige SHIRAKI, Taeko WAKAHARA “Deep-Seated Landslides and Landslide Dams Characteristics Caused by Typhoon Talas at Kii Peninsula, Japan”	[O-15] Ming-Chang Tsai*, Yi-Min Huang, Yao-Min Fang, Bing-Jean Lee, Tien-Yin Chou, Hsiao-Yuan Yin “Characteristics of Debris Flow in Taiwan -A Case Study in Shenmu Area”
10:00-10:20	[O-4] Yuki MATSUSHI*, Masahiro CHIGIRA, Ken'ichirou KOSUGI “Orographic rainfall, deep-seated catastrophic landslides, and landscape evolution: geomorphic hazard assessment in active orogens”	[O-16] Chi-Yao Hung*, Hervé Capart, Colin P. Stark, Liming Li “Boundary erosion by granular flows in centrifuge experiments: preliminary results”
10:20-10:40	Break Time	
	Oral Session 2: Catastrophic Disaster (2)	Oral Session 5: Mechanism and Monitoring (2)
10:40-11:00	[O-5] Ken'ichirou Kosugi*, Masamitsu Fujimoto, Yosuke Yamakawa, Naoya Masaoka, Tetsushi Itokazu, Takahisa Mizuyama “Modeling of Bedrock Groundwater Levels Based on Antecedent Precipitation Indices”	[O-17] Takahiro ITOH*, Ken GOTOH, Rei UTSUNOMIYA, Michinobu NONAKA, Takahiko NAGAYAMA, Daizo TSUTSUMI, Masaharu FUJITA, Shusuke MIYATA, Takahisa MIZUYAMA “Experimental Studies for Monitoring of Bedload using Various Sensors”
11:00-11:20	[O-6] Taro UCHIDA*, Satoshi NIWA, Katsuya HORIE, Yoshihisa HIDA, Seiji OKAMURA, Shin'ichirou HAYASHI, Junichi KANBARA “Prolonged effects of large sediment yield events on sediment dynamics in mountainous catchments”	[O-18] Andrea Kreisler*, Markus Moser, Johann Aigner, Michael Tritthart, Florian Rudolf-Miklau, Helmut Habersack “MONITORING AND CALCULATION OF BEDLOAD TRANSPORT AT THE MOUNTAIN TORRENT URSLAU”
11:20-11:40	[O-7] Hiroshi TAKEBAYASHI*, Masaharu FUJITA, Tetsuro KAJIHARA “Propagation Characteristics of Surge Produced by Landslides”	[O-19] Sohan GHIMIRE*, Daisuke HIGAKI, Naoto KOIWA, Mio KASAI, Tara BHATTARAI, Kishor KARKI, Shanmukhesh AMATYA “Assessment of soil erosion and flood control measures in a Siwalik Hill catchment of Nepal Himalaya”

11:40-12:00	[O-8] Takashi Gomi*, Kazutaka Aoto, Marino Hiraoka, Kyoko Kikuchi, Tadanori Ishizuka, Kouji Morita, Taro Uchida “Characteristics of Deep Catastrophic Landslides around the World: Occurrences and Distributions”	[O-20] Yu-Shen HSIAO*, Yun-Chen SHIENG “Prediction of Variation in Reservoir Sedimentation by Gravimetry Technique”
12:00-13:30	Lunch Break	
13:30-15:30	Poster Session Core Time Venue: Reception Hall	
15:30-15:50	Break Time	
	Oral Session 3: Catastrophic Disaster (3)	Oral Session 6: Structural Countermeasures
15:50-16:10	[O-9] Takashi KIMURA*, Kazuhiro HATADA, Shin'ya KATSURA, Kiyoteru MARUYAMA, Kazuya AKIYAMA, Tomoyuki NORO “Distribution patterns of long-runout landslides triggered by the northern Nagano Prefecture earthquake of 2011”	[O-21] Bernhard GEMS*, Michael STURM, Arthur VOGL, Christian WEBER, Markus AUFLEGER “Analysis of damage causing hazard processes on a torrent fan - scale model tests of the Schnannerbach Torrent channel and its entry to the receiving water”
16:10-16:30	[O-10] Surangani BANDARA*, Satoru OHTSUKA, Tsukasa IWABE, Yasuyuki MIYAKI, Koichi ISOBE “Analysis of geological and geomorphological characteristics of landslides triggered by 2004 Chuetsu earthquake in Japan”	[O-22] Corinna WENDELER*, Axel VOLKWEIN, Andrea ROTH, Nobuhito NISHIMURA “Successful hazard prevention using flexible multi-level barriers”
16:30-16:50	[O-11] Reiji KONDO*, Nobuo ANYOJI, Yasuhiro FUJISAWA, Yasuyuki SATO “Evaluation of Potential Hazards from Lava Dome Collapse on Mt. Unzen-Fugen-dake”	[O-23] Nobutaka ISHIKAWA*, Joji SHIMA, Tomoo MATSUBARA, Hiroshi TATESAWA, Toshiyuki Horiguchi, Takahisa MIZUYAMA “Trapping Mechanism of Debris Flow by Steel Open Dams”
16:50-17:10	[O-12] Yasuyuki SATOU, Tadanori ISHIZUKA, Senro KURAOKA*, Yuichi NAKASHIMA, Takanori KAMIJO “DEFORMATION CHARACTERISTICS OF UNZEN LAVA DOME BASED ON LONG RANGE DISPALCEMENT MONITORING”	[O-24] Florian RUDOLF-MIKLAU*, Johannes HÜBL, Jürgen SUDA “Standardized stress model for design of torrential barriers under impact by debris flow (according to Austrian Standard Regulation 24801)”

13:30-15:30 Poster Session Core Time

Venue: Reception Hall

[Topic: Catastrophic Disaster]

[P-1] Kimio Inoue*

“Distribution and Characteristics of Sediment-related Disasters Induced by the Great Kanto Earthquake in 1923”

[P-2] Naohiro ISOGAI*, Atsuhiko KINOSHITA, Teruyoshi TAKAHARA, Tadanori ISHIZUKA, Osamu YOKOYAMA, Fumi TAKEMURA

“The use of LiDAR in identifying high-risk slopes at sites of deep-seated catastrophic landslides”

[P-3] Miki Chiba*, Toshio Mori, Takahisa Mizuyama

“A simple method to estimate the amount of rainfall required for a natural landslide dam to overflow”

[P-4] Akihito KAJI*, Takeshi SHIMIZU, Taro UCHIDA, Tadanori ISHIZUKA, Koji MORITA, Yuki OKUYAMA, Satoshi NIWA

“Changes in grain size distribution and topography of mountainous river bed by landslide dam failure”

[P-5] Teruyoshi TAKAHARA*, Atsuhiko KINOSHITA, Tadanori ISHIZUKA, Makoto OYAMA, Ryo SAKAI

“On the characteristics of the slopes with shallow landslides being triggered by Typhoon Tales, 2011 in the Nachigawa River Basin, Japan”

[P-6] Yoshihiro HIRAIDE, Kunihiro YUKAWA, Akinori OGA, Toru SHIMADA, Daiichiro HORI*

“Sediment Runoff Mechanism from a Landslide Dam: Case of Lake Ohatakedoro in Totsukawa Village, Nara Prefecture, JAPAN”

[P-7] Tadanori ISHIZUKA*, Koji MORITA, Akihito KAJI, Takao YAMAKOSHI, Junichi FUKUSHIMA, William PUTUHENA, Sutiono MANGUNREDJO, Yasuhiro NOMURA, Tomoyuki NORO, Masaaki MANTOKU, Kunihiro MORIYASU

“Landslide Dam Outburst Flood in Way Ela River, Ambon Island, Indonesia”

[P-8] Kazutaka Aoto*, Takashi Gomi, Marino Hiraoka, Tadanori Ishizuka, Kouji Morita, Hiromitsu Isshiki, Taro Uchida

“Estimating the Occurrence Ages of Deep Catastrophic Landslides using Tephrochronological Approach”

[P-9] Hiromitsu ISSHIKI*, Atsuhiko KINOSHITA, Teruyoshi TAKAHARA, Tadanori ISHIZUKA, Ken'ichirou KOSUGI, Ryo SAKAI, Makoto OYAMA, Shinji KOMATSU, Yuji UEHARA, Masami ITOU, Makoto YAMANE, Katsushi KAWATO, Minoru OKUMURA

“Clarifying Hydrogeological Structure of Deep Catastrophic Landslide Using Airborne Electromagnetic Survey, Spatial Patterns of Stream Flow and Drilling Investigation”

[P-10] Masaki MIZUNO*, Jyoko KAMIYAMA, Masafumi EKAWA, Jyun-ichi KANBARA, Shin-ichiro HAYASHI, Koji MORITA, Shigeo HORIUCHI, Toshiaki UDONO, Kazuo YOSHIKAWA

“Application of High-Resolution SAR Satellite Images to Landslide Disasters -Report on landslide-dam formation and collapse events in the Kii Peninsula, Japan and Ambon, Indonesia-”

[P-11] Akihiko IKEDA*, Nobuaki SAKAI, Toru SHIMADA, Masafumi EKAWA

“Actual Condition of Sediment-Related Disaster in Nojiri Area, Totsukawa Village During Typhoon Talas, 2011”

[P-12] Youichi SAKO*, Toshio MORI, Hiroyuki NAKAMURA, Kouji KAMEE, Masaaki HANAOKA, Naoki YUSA, Mutsutoshi FUKUDA, Ryoichi OHNO

“Estimating the shape of a landslide dam (river blockage), attributed to a deep catastrophic landslide, using the LSFLOW model”

[P-13] Soichi KAIHARA*, Noriko TADAKUMA, Yasumasa FUJIWARA, Wataru SAKURAI, Makoto OYAMA, Ryo SAKAI

“LANDSLIDE DAM HYDROLOGICAL OBSERVATION AND HYDROLOGICAL BALANCE CALCULATION PROCEDURES”

[P-14] Wataru SAKURAI*, Ryo SAKAI

“Countermeasures for large-scale landslide dams caused by Typhoon No. 12 in September 2011”

[P-15] Masaichi NAGATA*, Kotaro SAKANO, Yoshihiro UEDA, Hiroyuki YASUI

“APPROACHES BY NARA PREFECTURE TO UTILIZE LESSONS LEARNT FROM THE GREAT FLOODS IN KII PENINSULA”

[P-16] Yoshihiro UEDA*, Kotaro SAKANO, Hiroyuki YASUI, Masaichi NAGATA

“UNRAVELING THE MECHANISM OF MULTIPLE DEEP-SEATED LANDSLIDES FROM THE 2011 GREAT FLOODS IN KII PENINSULA”

[P-17] Yasufumi KAMATSUKA*, Ryozo MATSUI, Takeshi HIGASHI

“Challenge to post-disaster recovery and reconstruction from sediment generated by the Great Floods on Kii peninsula”

[P-18] Keiichi KUBOGAMI*, Hisato TSUJI, Haruhide MORITA

“GREAT FLOOD ON KII PENINSULA CHARACTERISTICS OF LARGE-SCALE LANDSLIDE DISASTERS IN TENKAWA VILLAGE IN NARA PREFECTURE, APPROACH TO DISASTER RISK REDUCTION (DRR) AND DISASTER RISK MANAGEMENT (DRM)”

[Topic: Mechanism and Monitoring]

[P-19] Baator HAS*, Toko TAKAYAMA, Satoshi ONODA, Kiichiro OGAWA

“Characteristics of Landslides Distribution and Dimension, Comparison of Landslides Induced by Reverse-fault Earthquake and Normal-fault Earthquake in Japan”

[P-20] Junko Iwahashi*, Takaki Okatani, Takayuki Nakano, Mamoru Koarai, Kosei Otoi

“Landslide Susceptibility Analysis by Terrain and Vegetation Attributes Derived from Pre-event LiDAR Data : a case study of granitic mountain slopes in Hofu, Japan”

[P-21] Nobuaki KATO*, Masayuki MIYASE, Masaharu NAKAYAMA, Kosei MOTODA, Toshihiro NAKAMURA

“Characteristics of Sediment-related Disasters in July 2012 in the Aso Region of Kyushu Island, Japan”

[P-22] Risa TAKAHASHI, Takashi YAMADA*

“Characteristics of Small-scale Slope Failure Occurrence Depending on Rainfall Pattern”

[P-23] Takeo MITSUNAGA*, Jirou OURA, Yoshiaki KASHIWABARA, Azusa KAJIWARA

“Observations of sediment discharge in the Hayakawa River basin in 2011 and 2012 using aerial photographs and airborne LiDAR data”

[P-24] Aril ADITIAN*, Tetsuya KUBOTA

“Influence of Increasing Maximum Hourly Rainfall on Slope Stability in Forested Area of Aso, Japan”

[P-25] Naoya Masaoka*, Ken'ichirou Kosugi, Masanori Katsuyama, Takahisa Mizuyama, Shusuke Miyata, Daizo Tsutsumi

“Effects of Bedrock Groundwater and Geological Structure on Hydrological Processes in Mountainous Watersheds”

[P-26] Masamitsui Fujimoto*, Takahisa Mizuyama, Maki Sekiguchi

“Characteristics of discharge and water chemistry in a sediment disaster area in Hofu, Yamaguchi Prefecture, western Japan”

[P-27] Tetsushi ITOKAZU*, Ken'ichirou KOSUGI, Yuichi ONDA, Koichiro KURAJI, Nobuaki TANAKA, Motoshige GOTO, Takeshi OHTA, Takahisa MIZUYAMA

“Characteristics of storm runoff in small granite catchments having different vegetation recovery conditions”

[P-28] Sung-Chi Hsu*, Ming-Hung Liu, Ji-Yuan Lin, Ming-Der Yang

“Investigation and Studies of the Slopes along Chen-Yu-Lan River Watershed after Typhoon Morakot”

[P-29] Takafumi SEKI*, Yutaka GONDA, Hiroshi KAWABE

“Temporal change of step-pool morphology in a mountain stream after a debris flow event”

[Topic: Structural Countermeasures]

[P-30] Su-Chin CHEN, Hiroshi KOKURYO, Shuan-Pei AN, Sheng-Jui LU, Hui-Kai HUANG*

“Sediment trapping efficiency of modular steel check dam in laboratory experiment and field observation”

[P-31] Joji SHIMA*, Yoshikatu AKIYAMA, Takahisa MIZUYAMA

“Research on modification effect of organic soil cement using slag”

[P-32] Norio HARADA*, Yoshifumi SATOFUKA

“Control of Debris Flow Using Steel-grid SABO Dams”

[P-33] Hiroshi MORIYAMA*, Hiroshi KOKURYO, Masakatsu YAMAGUCHI, Ryuta INOUE, Nobutaka ISHIKAWA, Joji SHIMA

“Debris Flow Capture Investigation of Steel Open-type Sabo Dams around Mt. Aso, JAPAN”

[P-34] Masayuki HAYASHI, Shusaku SHIIBA, Taku OSADA*, Masayuki TODA

“Universal Value of Tateyama Sabo from the Viewpoint of National Resilience”

[P-35] Yoshitsugu KIMURA*, Hiroyuki UMEZAWA, Yoshiiku MUSASHI, Takahisa MIZUYAMA

“DEVELOPMENT OF FLEXIBLE BARRIER AND EVALUATION OF ITS EFFECTIVENESS”

[P-36] Koso MIKAMI, Masafumi KOSHINO, Jun OKUI, Takahiko NAGAYAMA, Satoshi TAGATA, Kuniaki MIYAMOTO, Masaharu FUJITA, Takahiro ITOH*, Takahisa MIZUYAMA

“Install of a Movable shutter in Myo-Jyu Sabo Dam and Longitudinal Bedload Monitoring in Jyo-Gan-Ji River”

[P-37] Ami YOSHIDA*, Yoshihiko KOIZUMI

“The Landslide Occurred at Kokugawa Area in Itakuraku Joetsu City”

[Topic: Modeling and Simulation]

[P-38] Tetsuya Kubota*, Gou Nakamura, Yoshinori Shinohara

“Consideration to the Early Warning Rainfall Criteria of Landslides after Strong Earthquake in Japan”

[P-39] Chen-Yu CHEN*, Masaharu FUJITA

“A Multi-modal Sediment Disaster Simulation on a Basin Scale”

[P-40] Kazuki YAMANOI*, Masaharu FUJITA

“Application of a Combined Model of Sediment Production, Supply and Runoff”

[P-41] Masayuki Hata*, Taro Uchida, Junichi Kanbara, Masahiro Kaibori

“Numerical Analysis of the Effects of Saturation Overland Flow and Spatial Variability of Soil Strength on Sediment Movement Processes in Headwaters”

[P-42] Muneyuki Arai*, Johannes Huebl, Roland Kaitna

“A Wave Equation of Intermittent Flow with Sediment on Inclined Channel and Experimental and Observed Results”

[P-43] Fumiaki AKAZAWA, Akikazu IKEDA, Yoshifumi SATOFUKA*

“Landslide Dam Deformation and Hydrograph by Overtopping Flow”

[P-44] Hsun-Chuan Chan, Jhih-Syong Peng, Chia-Chi Chang*

“Influence of Rainfall on Landslide Susceptibility along 50 to 110k Section of the Southern Cross Island Highway, Taiwan”

[P-45] Yuki NISHIGUCHI*, Taro UCHIDA, Yoshifumi SATOFUKA, Kana NAKATANI, Takahisa MIZUYAMA

“Controlling Factors of Phase-shift of Fine Sediment in Large-scale Debris Flows”

[P-46] Jean-Matthieu MONNET*, Franck BOURRIER

“Evaluation of the Effect of Forest Input Data on Rockfall Simulations”

[Topic: Non-structural Countermeasures and Risk Management]

[P-47] Ting-Chi TSAO*, Chih-Hao HSU, Pei-Jung CHUNG

“The Effectiveness of Risk Avoidance through Land-Use Planning in Debris Flow Area – A case study in southern Taiwan”

[P-48] Laura SANCHEZ-CASTILLO*, Tetsuya KUBOTA, Israel CANTU-SILVA, HASNAWIR

“Rainfall Warning for Sediment Related Disasters in Sierra Madre Oriental, Mexico”

[P-49] Rouven A. STURNY, Michael BRÜNDL*

“Bayesian Networks for Assessing the Reliability of a Glacier Lake Warning System in Switzerland”

[P-50] Toshitaka KAMAI*, Ryo NAKATSUKA

“History of Debris Production and River-beds Rising in Kyoto District -A historical interaction between environmental changes and society-”

[P-51] Djoko Legono*

“Socio-Eco-Engineering-based Approach on Integrated Sediment Management in Mt. Merapi Area, Indonesia”

[P-52] Florian Rudolf-Miklau*, Elisabeth Stix

“Austrian Partnership on Risk Management for Gravitational Hazards in Spatial Planning: A policy process in a vague legal framework”

[P-53] Keio CHITO, Katsuya KITA, Kazuya OHASHI, Shogo KODAMA, Tsuneshi NISHIOKA*, Akifumi HISADA, Satoru MORIKAWA

“Sabo works in Wakayama Prefecture -Historical disasters and Sabo-”

[P-54] Mikihiro MORI*, Isao TANABE, Emilio M. VENTURA, Claribel A. TEJADA, Aleyda M. MONTOYA, Sonia C. CALDERÓN, Dera I. CORTES, Alonso A. ALFARO, William R. GUZMÁN, Juan C. GARCÍA, Deyman V. PASTORA, Jonathan J. ALVARADO, Héctor E. GONZÁLEZ, Jaime A. RODRÍGUEZ, Daniel E. ZÚNIGA, Delmy V. AGUILAR

“Risk and Economic Feasibility of Countermeasures for Rainfall-Induced Disasters in El Salvador - Development of simplified tool for disaster risk management -”

[P-55] Toshiyasu UENO*, Hiroyuki TANIGUCHI, Kazuya ABE

“Comprehensive Sediment Related Disaster Prevention Countermeasures in Kagoshima Prefecture”

[P-56] Árni Jónsson*, Peter Gauer

“Optimizing Mitigation Measures against Slush Flows by Means of Numerical Modelling -A Case Study Longyearbyen, Svalbard-”

[P-57] KANNO Tadahiro*, ANDO Shohei, HASHINOKI Toshihiro

“Emergency Sabo Works for Volcanic Disaster Reduction in Japan -Mt. Asamayama: A Case Study-”

【3rd day (27 Nov., Thursday)】

One-day study tour

【4th day (28 Nov., Friday)】

	Venue: Conference Room 1-2	Venue: Conference Room 3-4
	Oral Session 7: Non-structural Countermeasures and Risk Management (1)	Oral Session 9: Modeling and Simulation
9:00-9:20	[O-25] Bimala Devi DEVKOTA, Prem PAUDEL*, Tetsuya KUBOTA, Deepak	[O-33] Shusuke MIYATA*, Masaharu FUJITA, Takuji TERATANI, Hirofumi

	K.C. “Landslide and Flood Hazards Consequences and Community Based Management Initiatives in Nepal Himalaya”	TSUJIMOTO “Flash Flood due to Local and Intensive Rainfall in an Alpine Catchment”
9:20-9:40	[O-26] HASNAWIR*, Tetsuya KUBOTA, Laura SANCHEZ-CASTILLO “Rainfall Thresholds for Sediment Related Disasters in Ambon City, Indonesia”	[O-34] Cheng-Chien LIU*, Mei-Chen CHEN, Yi-Ting LIN, Sheng-Feng ZENG, Hui-Lin WEN, Hsiao-Yuan YIN, En-Ju LIN, Nguyen Thi To NGAN “Optimizing the Relative Contribution of Preparatory and Triggering Factors in Landslide Analysis System with an Eight-year Landslide Inventory - Validation with typhoon events and operation with real-time precipitation-”
9:40-10:00	[O-27] Chunxiang WANG*, Hideaki MARUI, Naoki WATANABE, Snježana Mihalić ARBANAS “Use of a GIS-based 3D Deterministic Slope Stability Predicting Tool for Landslide Hazard Assessment in Zagreb Hilly Area, Croatia 2014”	[O-35] Ryoichi Michihata*, Wataru Sagara, Ryosuke Tsunaki “Numerical Simulation of Long-Runout Landslides”
10:00-10:20	[O-28] Tingyeh WU*, Che-Hsin LIU, Yu-Ting WANG, Yu-Ching LIN, Chih-Hsin CHANG “The Comprehensive Slope-land Disaster Magnitude Assessment for Landslide and Debris Flow”	[O-36] Dieter ISSLER*, Jean-Sébastien L’HEUREUX, José M. CEPEDA, Byron QUAN LUNA “Towards a Numerical Run-Out Model for Quick-Clay Slides”
10:20-10:40	Break Time	
	Oral Session 8: Non-structural Countermeasures and Risk Management (2)	Special session -Recent Disaster Report Session-
10:40-11:00	[O-29] Kana Nakatani*, Eiji Iwanami, Shigeo Horiuchi, Yoshifumi Satofuka, Takahisa Mizuyama “Application of “Hyper KANAKO”, a Debris Flow Simulation System Using Laser Profiler Data”	[DR-1] Akihiko Ikeda (Sabo & Landslide Technical Center, Japan) “Actual Condition of Sediment-Related Disaster caused by Typhoon Wipha (T1326) in Izu-Oshima Island, 2013”
11:00-11:20	[O-30] Martina SÄTTELE*, Michael BRÜNDL, Daniel STRAUB “Early Warning Systems for Natural Hazards: Reliability Analyses and Guidance for Decision Makers”	[DR-2] Hsiao-Yuan Yin (Soil and Water Conservation Bureau, Council of Agriculture, Taiwan) “A Roundup of Recent Debris Flow Events in Taiwan”
11:20-11:40	[O-31] Michael BRÜNDL*, Linda Ettlin “Assessing the Economic Efficiency of Local Structural Protection Measures- Prevent-Building -A	[DR-3] Djoko Legono (Universitas Gadjah Mada, Indonesia) “Way Ela Flash Flood as triggered by Landslide Dam Failure – Disaster

	Tool for Building Insurances”	Mitigation in Ambon, Indonesia”
11:40-12:00	[O-32] Andreas RIMBOECK*, Stefan BRAITO “Identification of Ordinary Methods in Bavarian Hazard Analysis for Torrents”	[DR-4] Florian RUDOLF-MIKLAU (Federal Ministry for Agriculture, Forestry, Environment and Water Management, Austria) “Recent European Flood-related Disaster History - Trends and Lessons Learnt”
12:00-13:30	Lunch Break	

	Venue: Noh Theatre	
13:30-15:30	<p>Panel Discussion</p> <p>Coordinator:</p> <ul style="list-style-type: none"> - Masaharu Fujita (Professor, Disaster Prevention Research Institute of Kyoto University, Japan) <p>Panelist:</p> <ul style="list-style-type: none"> - Djoko Legono (Professor, Universitas Gadjah Mada, Indonesia) - Johannes Huebl (Professor, University of Natural Resources and Life Sciences, Vienna, Austria) - Su-Chin Chen (Professor, National Chung Hsing University, Taiwan) - Taro Uchida (Senior Researcher, National Institute for Land and Infrastructure Management, Japan) 	
15:30-16:00	<p>Closing Ceremony</p> <ul style="list-style-type: none"> -Recommendation of INTERPRAEVENT2014 Yoshiharu Ishikawa (Chairman, Organizing Committee of INTERPRAEVENT2014) -Announcement of INTERPRAEVENT2016 in Lucerne Josef Hess (Vice Director, Federal Office for the Environment, Switzerland) -Closing speech Masao Okamoto (Chairman, The Pacific Rim INTERPRAEVENT Committee of Japan) 	

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