

Landslides

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Oral presentation speakers of Fifth World Landslide Forum

The Fifth World Landslide Forum (WLF5) will be organized at the National Kyoto International Conference Center (KICC) in Kyoto, Japan, on 2–6 November 2021. WLF5 originally planned on 2–6 November 2020 was postponed for one year due to COVID-19. However, the COVID-19 situation is still unpredictable. Accordingly, the Forum will be organized in Hybrid mode. Oral presentation will be conducted through onsite, online/virtual, or pre-recorded modes. The WLF5 secretariat asked all oral presentation speakers to provide their preference on the mode of presentation, with response deadline on 31 March 2021. The modes of presentation can be switched by 15 September 2021. Then, the final presentation programme will be made.

List of the oral presentation speakers of WLF5 are presented in Table 1 (16 April 2021). The speakers are authors of one of the following papers submitted and accepted in WLF5 and also registered in WLF5 through the registration page of WLF <https://wlf5.iplhq.org/registration/>.

1. Authors of the full color printed books “Understanding and Reducing Landslide Disaster Risk” - Vol.1 to Vol.6.

2. Authors of the thematic issue “Sendai Landslide Partnerships 2015-2025” (Vol.17-10 and Vol.17-11 in 2020).
 3. Authors of WLF5 Electronic Proceedings of the Fifth World Landslide Forum.
 4. Authors of one-page abstracts (deadline of submission is 30 June 2021). Authors registered for WLF5 by 31 March 2021 are included. One-page abstract registration is still open. Please fill the one-page abstract form in the preliminary registration website of WLF5 (ICL) <https://wlf5.iplhq.org/speaker-registration/>, and also pay the registration fee through the formal registration page <<https://wlf5.iplhq.org/registration/>>
- Note: e-poster presentation is open until 10 August 2021. After receiving notice of acceptance, the authors of e-posters can select one of three options: (1) 3-minute oral presentation, (2) no talk, or (3) non-attendance.

WLF5 Organizing Committee

International Consortium on Landslides (ICL)

Kyoto, Japan

Email: wlf5-sec@iclhq.org

Table 1 List of oral presentation speakers at the Fifth World Landslide Forum

| No | Speaker | Organization | Country/region | Title | Presentation |
|-----------------------------------|---------------------|--|----------------|--|--------------|
| Forum lectures and forum speeches | | | | | |
| 1 | Fausto Guzzetti | Department of Civil Protection, Presidency of the Council of Ministers | Italy | On the prediction of landslides and their consequence | Online |
| 2 | Charles Wang Wai Ng | Hong Kong University of Science and Technology, Hong Kong SAR, | China | Design recommendations for single and dual rigid debris flow barriers with and without basal clearance | Onsite |
| 3 | Michel Jaboyedoff | ISTE-University of Lausanne | Switzerland | The rockfall failure hazard assessment: summary and new advances | Onsite |
| 4 | Brian D. Collins | U.S. Geological Survey | USA | Progress and lessons learned from responses to landslide disasters | Onsite |
| 5 | Claudio Margottini | ISPRA | Italy | Fukuoka IPL Award lecture: Behind-the-scenes in mitigation of landslides and other geohazards in low income countries - in memory of Hiroshi Fukuoka | Onsite |

News/Kyoto Commitment

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------------|--|----------------|---|--------------|
| 6 | Beena Ajmera | North Dakota State University | USA | Oldrich Hungr Award lecture: Recent Advances in the Methods of Slope Stability and Deformation Analyses | Onsite |
| Theme 1 Sendai Landslide Partnerships and Kyoto Landslide Commitment | | | | | |
| Session 1.1 Sendai Landslide Partnerships, Kyoto Landslide Commitment, and International Programme on Landslides | | | | | |
| 1 | Kyoji Sassa | International Consortium on Landslides | Japan | Kyoto 2020 Commitment for Global Promotion of Understanding and Reducing Landslide Disaster Risk | Onsite |
| 2 | Peter T. Bobrowsky | Geological Survey of Canada | Canada | International Consortium on Landslides (ICL): Proposing and Host Organization of SLP20152025 and KLC2020 | Onsite |
| 3 | Matjaž Mikoš | University of Ljubljana | Slovenia | The ICL journal Landslides - 16 years of capacity development for landslide risk reduction | Onsite |
| 4 | Kaoru Takara | International Consortium on Landslides | Japan | UNITWIN-UNESCO/KU/ICL Programme | Onsite |
| 5 | Qunli Han | IRDR-IPO | China | International Programme on Landslides (IPL): A programme of the ICL for Landslide Disaster Risk Reduction | Onsite |
| 6 | Raymond Cheung | Geotechnical Engineering Office | China | Landslide Risk Management in Hong Kong | Onsite |
| 7 | Alexander Strom | Geodynamics Research Center | Russia | Central Asia – rockslides' and rock avalanches' treasury and workbook | Onsite |
| 8 | Biljana Abolmasov | University of Belgrade | Serbia | Results of recent monitoring activities on landslide Umka, Belgrade, Serbia - IPL 181 | Onsite |
| 9 | Matjaž Mikoš | University of Ljubljana | Slovenia | Landslides in Weathered Flysch: From Activation to Deposition (WCoE 2017-2020) | Onsite |
| 10 | Snježana Mihalić Arbanas | University of Zagreb | Croatia | Report of the Croatian WCoE 2017-2020: From landslide mapping to risk assessment | Onsite |
| 11 | Leonardo Cascini | University of Salerno | Italy | LARAM School: an ongoing experience | Onsite |
| 12 | Nicola Casagli | University of Florence | Italy | Advanced technologies for Landslides (WCoE 2017-2020) | Onsite |
| 13 | Vít Vilímek | Charles University | Czech Republic | Complex geomorphological and engineering geological research of landslides with adverse societal impacts | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-----------------------|---|----------------|--|--------------------|
| 14 | Željko Arbanas | University of Rijeka | Croatia | Report of the IPL-219, IPL-220 and Croatian WCoE 2017-2020: From landslide investigation to landslide prediction and stabilization | Onsite |
| 15 | Lorenzo Solari | Centre Tecnològic de Telecomunicacions de Catalunya | Spain | Regional scale landslide monitoring based on Sentinel-1 data | Online or Recorded |
| 16 | Satoru Nishikawa | Nagoya University | Japan | Ichi-Nichi-Mae (The Day before the Disaster) Project for Landslide Awareness and Risk Communication | Onsite |
| 17 | Bastian van den Bout | Twente University | Netherlands | Impact of multi-hazard interactions on risk assessment | Onsite |
| 18 | Marcos Mendonca | Federal University of Rio de Janeiro | Brazil | Population vulnerability assessment and its effect in landslide risk mapping – The case of Angra dos Reis, Rio de Janeiro, Brazil | Online |
| 19 | Dongxu Yang | Institute of Exploration Technology, CAGS | China | Characteristics of sediment transportation and abrasion behavior of glacial debris-flow in Southeast Tibet, China | Onsite or Online |
| 20 | Eleftheria Poyiadji | Institute of Geology and Mineral Exploration | Greece | Landslides in Greece and related legislation: difficulties and potential improvements | Onsite |
| 21 | Hemalatha Thirugnanam | Amrita Vishwa Vidyapeetham | India | Challenges and opportunities in landslide early warning system | Online |
| 22 | Surya Parkash | National Institute of Disaster Management | India | Emerging Issues and Innovative Strategies for Landslides Risk Management | Online |
| 23 | Ellen Robson | Newcastle University | UK | Cost-effective road slope stabilisation for low-income countries | Online |
| 24 | Bayes Ahmed | University College London (UCL) | UK | The impact of culture in landslide disaster risk reduction | Onsite or Online |
| Session 1.2 Landslide-induced Tsunamis | | | | | |
| 25 | Pi-Chun Huang | National Central University | Chinese Taipei | Flank failure of the volcanic Turtle Island and the submarine landslide in the southernmost Okinawa Trough | Online |
| 26 | Taro Kakinuma | Kagoshima University | Japan | Numerical simulation for tsunami generation due to a landslide | Recorded |
| 27 | Federico Di Traglia | Università di Firenze | Italy | Dealing with mass flow-induced tsunamis at Stromboli volcano: monitoring strategies | Online |

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Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------------|--|----------------|---|------------------|
| 28 | Kazuki Murata | Port and Airport Research Institute | Japan | Tsunami Disaster caused by the 1923 Great Kanto Earthquake and the Importance of Submarine Landslides | Onsite |
| 29 | Wahyu Widiyanto | National Cheng Kung University | Chinese Taipei | Post-event field surveys of 2018 tsunami in Palu Bay and Sunda Strait | Recorded |
| 30 | Tso-Ren Wu | National Central University | Chinese Taipei | Three-Dimensional Simulation on the Rockslide and Mudslide Generated Tsunamis | Online |
| 31 | Lili Xiao | Chang'an University | China | The theory, validation and application of Tsunami Squares simulation approach to landslide generated waves | Online |
| 32 | Junji Miyamoto | Toyo Construction | Japan | Submarine landslide study in a drum centrifuge | Onsite |
| Session 1.3 Landslides at UNESCO designates sites and contribution from WMO, FAO, IRDR | | | | | |
| 33 | Yuki Matsuoka | UNDRR Office in Japan | Japan | Sendai voluntary commitments: landslide stakeholders and the all-of-society approach enhanced by UNDRR | Onsite or Online |
| 34 | Vít Vilímek | Charles University | Czech Republic | Contribution of the collaborative effort of the Czech WCoE to landslide risk reduction at the Machupicchu, Peru | Onsite |
| 35 | Irina Pavlova | UNESCO | France | Landslides at UNESCO-designated sites | |
| 36 | Daniele Spizzichino | ISPRA | Italy | Traditional knowledge and local expertise in landslide risk mitigation of world heritages | Onsite |
| 37 | Stefano Morelli | Department of Earth Sciences | Italy | Reconstruction of the slope instability conditions before the 2016 failure in an urbanized district of Florence (Italy), a UNESCO World Heritage Site | Online |
| 38 | William Frodella | University of Florence | Italy | Assessing landslide hazards in cultural heritage sites of the UNESCO Tentative List: examples from developing countries | Online |
| 39 | Rodrigo Alcaíno-Olivares | York University | Canada | Thermo-mechanical cliff stability at tomb KV42 in the Valley of the Kings, Egypt | Onsite |
| 40 | Xu Tang | Fudan Integrated Research on Disaster Risk, International Center of Excellence | China | Collaboration in MHEWS through an Integrated Way: The Great Efforts Contributed by Multi-stakeholder Partnership at National, Regional and International Levels | Onsite |
| 41 | Yuka Makino | FAO | Italy | | |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-------------------------|--|----------------|---|--------------------|
| | | | | Resilient Watershed Management: Landscape Approach to Climate Change and Disaster Risk Reduction | Online or Recorded |
| 42 | Fang Lian | Integrated Research on Disaster Risk | China | Integrating DRR into the conservation and management mechanisms of the internationally designated sites – view of IRDR | Onsite or Online |
| 43 | Giuseppe Esposito | CNR-IRPI | Italy | Landslide hazard and risk assessment for civil protection early response | Online |
| 44 | Irasema Alcántara-Ayala | National Autonomous University of Mexico | Mexico | Size matters: the impact of small, medium and large landslide disasters | Onsite or Online |
| 45 | Shengnan WU | Institute of Geographic Sciences and Natural Resources Research, CAS | China | Practices of Public Participation Early Warning System for Geological Hazards in China | Onsite or Online |
| 46 | Josip Peranić | University of Rijeka | Croatia | Protection of a cultural heritage site in Croatia from rockfall occurrences | Online |
| 47 | Stefano Utili | Newcastle University | UK | Landslide Geometry and Activity in Villa de la Independencia (Bolivia) Revealed by InSAR and Seismic Noise Measurements | |
| Session 1.4 Education and Capacity Development for Risk Management and Risk Governance | | | | | |
| 48 | Emanuele Intrieri | University of Studies of Florence | Italy | Early warning systems in Italy: state-of-the-art and future trends | Online |
| 49 | Jan Klimeš | IRSM CAS | Czech Republic | Community-based landslide risk management in contrasting social environments, cases from the Czech Republic | Onsite |
| 50 | Lee-Ping Shi | Taiwan Construction Research Institute | Chinese Taipei | Refinement Progresses on Freeway Slope Maintenance after a Huge Landslide Disaster | Onsite |
| 51 | Ricardo J. Garnica-Peña | Institute of Geography, National Autonomous University of Mexico | Mexico | Landslide exposure community-based mapping: a first encounter in a small rural locality of Mexico | Onsite or Online |
| 52 | Elizabeth A. Holcombe | University of Bristol | UK | Co-producing data and decision support tools to reduce landslide risk in the humid tropics | Recorded |
| 53 | Mohamad Fazli Sardi | University of Technology | Malaysia | ICT-based landslide disaster simulation drill: Road to achieve 2030 global commitment | Recorded |

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Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|---------------------|---|----------------|---|------------------|
| 54 | Sao-Jeng Chao | National Ilan University | Chinese Taipei | A Preliminary Work of Safety Potential Analysis Model for Anchors Used on Freeway Slopes | Onsite |
| 55 | Tamara Breuning | Technical University of Munich | Germany | Initial Experiences of Community Involvement in an Early Warning System in Informal Settlements in Medellín, Colombia | Recorded |
| 56 | Hendy Setiawan | Gadjah Mada University | Indonesia | Capacity Building and Community Preparedness towards Landslide Disaster in Pagerharjo Village, Kulon Progo Regency of Yogyakarta, Indonesia | Online |
| 57 | Alexandra Urgilez | Delft University of Technology | Netherlands | Characterization and hydrological analysis of the Guarumales deep-seated landslide in the tropical Ecuadorian Andes | Onsite |
| 58 | Gianvito Scaringi | Charles University | Czech Republic | Landslide risk education at university | Onsite |
| 59 | Hiroshi Ogawa | NIPPON KOEI co.jp | Japan | Landslide mechanism and technical transfer at Coalfield area - Case of central Asia Kyrgyz | Online |
| 60 | Sowed Masaba | Busitema University | Uganda | Preparedness for landslide disaster risks in Mount Elgon region, Uganda | Online |
| 61 | Mateja Jemec Auflic | Geological Survey of Slovenia | Slovenia | On the importance of geological data for landslide risk reduction in Slovenia | Onsite or Online |
| 62 | Ngadisih | Universitas Gadjah Mada | Indonesia | Community-based Landslide Risk Reduction in Merawu Watershed, Central Java | Recorded |
| Session 1.5 SATREPS-Rain-induced Rapid and Long Travelling Landslides | | | | | |
| 63 | Kazuo Konagai | International Consortium on Landslides | Japan | SATREPS project for Sri Lanka with regard to "Development of early warning technology of Rain-induced Rapid and Long-travelling Landslides" | Onsite |
| 64 | Ryo Onishi | Tokyo Institute of Technology | Japan | Towards reliable 24-hour numerical prediction of rainfall over mountain regions of Sri Lanka | Onsite |
| 65 | Shiho Asano | Forestry and Forest Products Research Institute | Japan | Strategy for monitoring creeping movements of unstable soil masses triggered by heavy rain at pilot sites in tropical forested mountain | Onsite |
| 66 | Ryosuke Uzuoka | Kyoto University | Japan | Predicting groundwater pressure build-up, and identifying locations of RRLs and their runouts. | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-----------------------------------|---|----------------|--|------------------|
| 67 | Katsuo Sasahara | Kochi University | Japan | Strategy for implementing the RRLL early warning system | Onsite |
| 68 | Toru Koike | Earth System Science Co., Ltd. | Japan | Achievement of JICA Project ""SABO"" | Onsite |
| 69 | Major General Sudantha Ranasinghe | Disaster Management Centre | Sri Lanka | Role of Disaster Management Center on Landslide Risk Management | Onsite |
| Theme 2 From Mapping to Hazard and Risk Zonation | | | | | |
| Session 2.1 Landslide recognition and mapping | | | | | |
| 1 | Benjamin B. Mirus | U.S. Geological Survey | USA | Landslides across the USA: occurrence, susceptibility, and data limitations | Onsite or Online |
| 2 | Toyohiko Miyagi | Advantechology Co., Ltd | Japan | Landslide Recognition and Mapping for Slope Disaster Risk Reduction and Management | Onsite |
| 3 | Rafał Sikora | Polish Geological Institute - National Research Institute | Poland | New Landslide Inventory Map of the Sudetes Mountains (South-Western Poland) | Onsite |
| 4 | Petra Jagodnik | University of Rijeka | Croatia | Gullies as landforms for landslide initiation – examples from the Dubračina River Basin (Croatia) | Recorded |
| 5 | Kamila Pawluszek-Filipiak | Wrocław University of Environmental and Life Sciences | Poland | Opportunities and challenges of the object-oriented automatic landslide detection from the high resolution Digital Elevation Model | Onsite |
| 6 | Mio Kasai | Hokkaido University | Japan | Can Repeat LiDAR Surveys Locate Future Massive Landslides? | Onsite |
| 7 | Vedran Damjanović | RGNF Zagreb | Croatia | Landslide mapping based on UAV photogrammetry using SfM – The Prnjavor Čuntićki landslide case study, Croatia | Onsite |
| 8 | Nguyen Kim Thanh | Institute of Transport Science and Technology, Vietnam | Vietnam | Developing recognition and simple mapping by UAV/SfM for local resident in mountainous area in Vietnam – A case study in Po Xi Ngai Community, Laocai province | Onsite |
| 9 | Vladimir Greif | Comenius University in Bratislava | Slovakia | Landslide activity classification based on Sentinel-1 satellite radar interferometry data | Onsite |
| 10 | Carlo Tacconi Stefanelli | University of Florence | Italy | Damming predisposition of river networks: a mapping methodology | Recorded |
| 11 | Timotej Verbovšek | | Slovenia | | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|--------------------------|---|----------------|--|--------------------|
| | | University of Ljubljana | | Maximum Likelihood Classification method for detection of litho-geomorphological units in the Vipava Valley, SW Slovenia | |
| 12 | Hiromitsu Yamagishi | Hokkaido Research Center of Geology | Japan | Landslides Triggered by the September 6th 2018 Hokkaido Eastern Iburi Earthquake -Topographic and Geologic GIS-LP Analyses | Onsite |
| 13 | Pham Van Tien | Institute of Transport Science and Technology | Vietnam | Landslides along Halong-Vandon Expressway in Quang Ninh province, Vietnam | Onsite |
| 14 | Tomislav Popit | University of Ljubljana | Slovenia | Roughness analysis of fossil landslide surfaces in the Vipava Valley, SW Slovenia | Online or Recorded |
| 15 | John Dehls | Geological Survey of Norway | Norway | Mapping landslides at a nationwide scale using InSAR: the Norwegian Ground Motion Service | Onsite |
| 16 | Txomin Bornaetxea | University of the Basque Country | Spain | The Effective Surveyed Area. Uncertainty reduction in field work based landslide inventories. | Online |
| 17 | William Schulz | United States Geological Survey | USA | Use of InSAR at multiple spatial and temporal scales to reveal landsliding mechanisms | Onsite or Online |
| Session 2.2 Landslide hazard assessment and zonation – susceptibility modelling | | | | | |
| 18 | Samuele Segoni | University of Florence | Italy | Landslide susceptibility assessment in complex geological settings: sensitivity to geological information and insights on its parameterization | Onsite |
| 19 | Christian Arnhardt | British Geological Survey | UK | An expert-based Landslide susceptibility assessment on city scale level with limited data - an example from Kuala Lumpur City | Onsite |
| 20 | Hiroshi Yagi | Yamagata University | Japan | Landslide susceptibility mapping by interpretation of aerial photographs, AHP and precise DEM | Onsite |
| 21 | Olga Barykina | Lomonosov Moscow State University | Russia | New data on geological conditions of landslide activity on Vorobyovy Gory (Moscow, Russia) | Onsite |
| 22 | Claudia Meisina | University of Pavia | Italy | Impact of agricultural management in vineyards to landslides susceptibility in Italian Apennines | Onsite |
| 23 | Gabriel Legorreta Paulin | Universidad Nacional Autonoma de Mexico | Mexico | Landslide susceptibility in two secondary rivers of La Ciénega watershed, | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|------------------------|---|----------------|---|--------------------|
| | | | | Nevado de Toluca volcano, Mexico | |
| 24 | Sharad Kumar Gupta | Indian Institute of Technology Mandi | India | An Ordinal Scale Weighting Approach for Susceptibility Mapping Around Tehri Dam, Uttarakhand, India | Recorded or Online |
| 25 | Meei-Ling Lin | National Taiwan University | Chinese Taipei | Potential Analysis of Deep-seated Landslides Caused by Typhoon Morakot Using Slope Unit | Onsite |
| 26 | Dymphna Nolasco-Javier | University of the Philippines Baguio | Philippines | Landslide susceptibility assessment using binary logistic regression in northern Philippines | Recorded |
| 27 | Lea Tien Tay | Universiti Sains Malaysia | Malaysia | Landslide Hazard Mapping of Penang Island Malaysia based on Multilayer Perceptron Approach | Online |
| 28 | Zheng Han | Central South University | China | Landslide Susceptibility Mapping Based on the Deep Belief Network: A Case Study in Sichuan Province, China | Onsite |
| 29 | Jie Dou | The University of Tokyo | Japan | A Comparative study of deep learning and conventional neural network for evaluating landslide susceptibility using landslide initiation zones | Onsite |
| 30 | Domenico Calcaterra | Federico II University of Napoli | Italy | Landslide susceptibility assessment by ensemble-based Machine Learning models | Onsite |
| 31 | Bahareh Kalantar | RIKEN Center for Advanced Intelligence Project | Japan | Application of Machine Learning Algorithms and Their Ensemble for Landslide Susceptibility Mapping | Online |
| 32 | Anika Braun | Technical University Berlin | Germany | Overcoming data scarcity related issues for landslide susceptibility modeling with machine learning | Onsite or Online |
| 33 | Jewgenij Torizin | Institute for Geosciences and Natural Resources (BGR) | Germany | Practical accounting for uncertainties in data-driven landslide susceptibility models. Examples from the Lanzhou case study | Onsite or Online |
| 34 | Victor Carvalho Cabral | Universidade Estadual Paulista | Brazil | Assessment of shallow landslides susceptibility using SHALSTAB and SINMAP at Serra do Mar, Brazil | Onsite or Recorded |
| 35 | Biljana Abolmasov | University of Belgrade | Serbia | Regional slope stability analysis in landslide hazard assessment context, North Macedonia example | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|---------------------------|--|----------------|---|--------------------|
| 36 | Shoji Doshida | National Research Institute of Fire and Disaster | Japan | Evaluation of secondary landslide susceptibility for the rescue activity using LiDAR UAV data | Onsite |
| 37 | Johnny Alexander Vega | Universidad de Medellin | Colombia | Methodology for landslides assessment causing river channel obstructions and the consequent water shortage in rural communities | Onsite or Recorded |
| 38 | Edier Aristizabal | National University of Colombia | Colombia | Rainfall-induced shallow landslide susceptibility assessment in mountainous and tropical scarce-data region of the Colombian Andes | Onsite |
| 39 | Mario Reyes | Ministerio de Medio Ambiente y Recursos Naturales | El Salvador | Landslide susceptibility mapping in the Apaneca Range, El Salvador | Recorded |
| 40 | Shahram Nasiri | The University of Queensland | Australia | Concerns over reliable earthquake-induced landslide hazard assessment: Developing sophisticated geotechnical databases and 3D landslide inventories | Onsite or Online |
| 41 | Azemeraw Wubalem | University of Gondar | Ethiopia | Modeling of landslide susceptibility in a part of Abay Basin, northwestern Ethiopia | Onsite |
| 42 | Stratis Karantanellis | Aristotle University of Thessaloniki School of Geology | Greece | Object-based landslide hazard detection using machine learning | Onsite or Online |
| 43 | Jorge Antonio Paz Tenorio | Universidad de Ciencias y Artes de Chiapas | Mexico | Cartography of susceptibility to landslides and analysis of vulnerabilities | Online |
| 44 | Farrokh Nadim | NGI | Norway | Theoretical framework for estimating the annual probability of occurrence of landslides | Online |
| 45 | Senem Tekin | Cukurova University | Turkey | Landslide Hazard Assessments In Goksu River Watershed (Southern Turkey) | Online |
| 46 | Dalia Kirschbaum | NASA Goddard Space Flight Center | USA | Multi-scale landslide hazard assessment using remote sensing data | Onsite or Online |
| 47 | Laurie Kurilla | University of Torino | Italy | Global susceptibility of debris flows and spatial accuracy | Onsite |
| 48 | Paola Reichenbach | CNR-IRPI | Italy | A review of statistically-based landslide susceptibility models | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------------|--|----------------|--|------------------|
| 49 | Rajib Kumar Saha | Geological Survey of Bangladesh | Bangladesh | Landslide hazards of Thanchi-Alikadam Upazila, Bandarban Hill District, Bangladesh | Online |
| 50 | Massimiliano Bordoni | University of Pavia | Italy | Integration of satellite soil moisture and rainfall in a data-driven model for shallow landslides hazard zonation | Online |
| 51 | Stefan Steger | Eurac Research | Italy | A statistical exploratory analysis of inventoried slide-type movements for South Tyrol (Italy) | Onsite or Online |
| Session 2.3 Landslide hazard assessment and zonation – temporal and size modelling | | | | | |
| 52 | Aykut Akgun | Karadeniz Technical University | Turkey | Landslide Size Distribution Characteristics of Cretaceous and Eocene Flysch Assemblages in the Western Black Sea Region of Turkey | Online |
| 53 | Gabriel Legorreta Paulin | Universidad Nacional Autonoma de Mexico | Mexico | Assessing landslide volume for landform hazard zoning purposes | Onsite |
| 54 | Chris Massey | GNS Science | New Zealand | Empirical relationships to estimate the probability of runout exceedance for various landslide types | Onsite or Online |
| 55 | Rex L Baum | U. S. Geological Survey | USA | Rapid sensitivity analysis for reducing uncertainty in landslide hazard assessment | Onsite or Online |
| 56 | Kana Nakatani | Kyoto University | Japan | Applying debris flow simulation for detailed hazard and risk mapping and for considering effective countermeasures | Onsite |
| 57 | Kaiheng Hu | Institute of Mountain Hazards and Environment, CAS | China | Debris-Flow Peak Discharge Calculation Model Based on Erosion Zoning | Online |
| 58 | Takashi Koi | Hokkaido University | Japan | Rainfall-induced lahar occurrences shortly after eruptions and its initiation processes in Japan | Onsite |
| 59 | Jiaying Li | Central South University | China | Spatiotemporal Assessment of Geological Hazard Safety along Railway Engineering using a Novel Method: A Case Study of the Sichuan-Tibet Railway, China | Online |
| 60 | Mohamed Rouai | Moulay Ismail University of Meknes | Morocco | Slope Stability and Landslide Hazard in Volubilis Archaeological Site (Morocco) | Onsite |
| 61 | Olivier Dewitte | Royal Museum for Central Africa | Belgium | Landslide timing in a data-scarce tropical environment: from recent | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|------------------------|---|----------------|--|--------------------|
| | | | | to very old processes in the Kivu Rift | |
| 62 | Munawar | BMKG | Indonesia | Rainfall Induced Landslide Threshold Distribution in West Java Province | Recorded |
| Session 2.4 Landslide data and information for disaster mitigation | | | | | |
| 63 | Ferdaus Ahmad | Department of Mineral and Geoscience Malaysia | Malaysia | Slope Hazard and Risk Mapping Project (PBRC) – An Overview of Disaster Risk Reduction Initiative | Onsite |
| 64 | Mohd Farid Abdul Kadir | Department of Mineral and Geoscience Malaysia | Malaysia | Risk-informed Land Use Planning for Landslide Disaster Risk Reduction: A Case Study of the Cameron Highlands, Pahang, Malaysia | Onsite |
| 65 | Paolo Tarolli | University of Padova | Italy | Landslides in steep-slope agricultural landscapes | Online |
| 66 | Matteo Del Soldato | University of Firenze | Italy | From satellite images to field survey: a complete scheme of landslide InSAR monitoring | Online or Recorded |
| 67 | Toyohiko MIYAGI | Advantech Technology Co., Ltd | Japan | Slope disaster risk reduction map as a communication tool for community based DRR in Japan & Vietnam | Onsite |
| 68 | Tapas Martha | National Remote Sensing Centre | India | Geospatial landslide inventory database of India for decision makers | Online |
| 69 | Mario Parise | University Aldo Moro | Italy | Do we really use landslide susceptibility maps? | Online |
| 70 | Farida Boulaghmen | University of Amar Telidji Laghouat | Algeria | Identification and multidisciplinary Diagnostic of Flood Risk Management in Algeria case of two Wilayas | Online or Recorded |
| Session 2.5 Landslide vulnerability of people, communities and the built environment | | | | | |
| 71 | Paola Salvati | CNR-IRPI | Italy | People vulnerability to landslide: risky behaviours and dangerous conditions by gender and age | Onsite |
| 72 | Erica Akemi Goto | UCSB | USA | Using mixed-methods to understand community vulnerability to debris flows in Montecito, CA | Onsite |
| 73 | Dario Peduto | University of Salerno | Italy | Innovation in analysis and forecasting of vulnerability to slow-moving landslides | Onsite or Online |
| 74 | Silvia Bianchini | University of Firenze | Italy | Sentinel-1 PSI data for the evaluation of landslide geohazard and impact | Online |
| 75 | Ricardo Garnica-Peña | National Autonomous University of Mexico | Mexico | On the use of UAVs for landslide exposure of households: La Gloria neighbourhood, Teziutlán, Puebla | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-------------------------|---|----------------|--|--------------------|
| 76 | Aditi Singh | Gautam Buddha University | India | Site-specific risk assessment of buildings exposed to rock fall in India- A case study | Recorded or Online |
| 77 | Michio Ishigaki | OYO Corporation | Japan | The Advanced Method for Detecting Geotechnical Risks of Landslide Failures by Surveying Historical Surface Deformation and Underground Water | Onsite |
| 78 | Settimio Ferlisi | University of Salerno | Italy | Quantitative analysis of the consequences induced by slow-moving landslides to a road network in southern Italy | Online |
| 79 | Sergio Sepulveda | Universidad de OHiggins | Chile | Landslide vulnerability changes and migration in Antofagasta, Northern Chile | Onsite or Online |
| 80 | Kuntala Bhusan | North Eastern Space Applications Centre | India | Landslide scenario in North East India and associated challenges | Online |
| 81 | Crisanto Silva Aguilera | Universidad Simon Bolivar | Venezuela | Landslide risk map, El Junquito area, DC Caracas, Venezuela | |
| Theme 3 Monitoring and Early Warning | | | | | |
| Session 3.1 Landslide monitoring and geophysical surveys | | | | | |
| 1 | Paola Revellino | University of Sannio | Italy | Defining kinematic and evolutive features of earth flows using integrated monitoring and low-cost sensors | Onsite |
| 2 | Jan Blahůt | Czech Academy of Sciences, IRSM | Czech Republic | Monitoring of thermoelastic wave within a rock mass coupling information from IR camera and crack meters: a 24-hour experiment on "Branická skála" Rock in Prague, Czechia | Onsite |
| 3 | David Huntley | Geological Survey of Canada | Canada | Field testing innovative differential geospatial and photogrammetric monitoring of a slow-moving landslide, south-central British Columbia, Canada | Recorded |
| 4 | Paolo Allasia | CNR IRPI | Italy | The role of measure of deep-seated displacements in the monitoring networks on large-scale landslide | Recorded |
| 5 | Mihai Nicolita | Alexandru Ioan Cuza University of Iasi | Romania | LiDAR and UAV SfM for landslide monitoring | Onsite |
| 6 | Paolo Mazzanti | Sapienza University of Rome | Italy | Recent developments in photomonitoring | Online |

News/Kyoto Commitment

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------|--|----------------|---|------------------|
| 7 | Maneesha Ramesh | Amrita Vishwa Vidyapeetham | India | Enhancing the reliability of IoT System for landslide monitoring by integrating learning models | Online |
| 8 | Tomofumi Koyama | Kansai University | Japan | Development of resident participation-type slope measurement/monitoring system in mountain region | Onsite |
| 9 | JONGMANS Denis | Universite Grenoble Alpes | France | Geophysical monitoring of landslides: state-of-the art and recent advances | Onsite |
| 10 | Jonathan Chambers | British Geological Survey | UK | Long-term geophysical imaging of moisture driven landslide processes | Recorded |
| 11 | Sebastian Uhlemann | Lawrence Berkeley National Lab | USA | Geophysical monitoring of landslides – A step closer towards predictive understanding? | Onsite |
| 12 | Jim Whiteley | University of Bristol/British Geological Survey | UK | Recent advances in high spatial resolution geophysical monitoring of moisture-induced landslides | Onsite |
| 13 | Hao Luo | Shanghai Jiao Tong University | China | Characteristic analysis of the Nayong rock avalanche based on the seismic signal | Recorded |
| 14 | Liang Feng | University of Florence | Italy | Rockfall detection and early warning using micro-seismic monitoring | Online |
| 15 | Yu Zhuang | Shanghai Jiao Tong University | China | Electrical resistivity tomography (ERT) based investigation of two landslides in Guizhou, China | Recorded |
| 16 | Kiminori Araiba | National Research Institute of Fire and Disaster | Japan | Vibration of Piled Rocks - Which rock can be removed ? | Onsite |
| 17 | Hong-Hu Zhu | Nanjing University | China | Multi-field monitoring of landslide using a distributed fiber optic sensing system | Onsite |
| 18 | Filip Hartvich | IRSM CAS | Czech Republic | Multiinstrumental monitoring network Slopenet - new advances | Onsite |
| Session 3.2 Remote sensing for landslide risk management | | | | | |
| 19 | Ko-Fei Liu | National Taiwan University | Chinese Taipei | Debris flow detection with video camera | Online |
| 20 | Federico Raspini | University of Firenze | Italy | Landslide mapping and monitoring with satellite interferometry | Online |
| 21 | Giulia Tessari | Sarmap SA | Switzerland | Comparison between PS and SBAS InSAR techniques in monitoring shallow landslides | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|---------------------|--|----------------|---|------------------|
| 22 | David Bonneau | Queen's University | Canada | Towards managing debris channel risks to infrastructure: Understanding debris processes using remotely sensed data. | Recorded |
| 23 | Ying Liu | Xinjiang Institute of Ecology and Geography, CAS | China | Remote sensing monitoring of landslides along highways | Onsite |
| 24 | Ping Lu | Tongji University | China | Landslide Inventory Mapping from VHR, HR and MR imageries | Onsite |
| 25 | Anna Barra | CTTC/CERCA | Spain | Sentinel-1 landslides detection: the Granada coast | Onsite |
| 26 | Oriol Monserrat | CTTC | Spain | Sentinel-1 as a tool to support early warning systems | Onsite or Online |
| 27 | Chaoying Zhao | Chang'an University | China | Landslide Dynamic Deformation Monitoring with Sequential Least Squares Based SAR/InSAR techniques | Online |
| 28 | Lu Zhang | Wuhan University | China | Challenges and opportunities in landslide hazards detection and disaster early warning with SAR/InSAR observations | Online |
| Session 3.3 Landslide early warning systems | | | | | |
| 29 | Gaetano Pecoraro | University of Salerno | Italy | Definition and first application of a probabilistic warning model for rainfall-induced landslides | Onsite |
| 30 | Katerina Kavoura | University of Patras | Greece | Establishment of an integrated landslide early warning and monitoring system in populated areas | Recorded |
| 31 | Nguyen Duc Ha | Vietnam Institute of Geosciences and Mineral Resources | Vietnam | An Integrated WebGIS System for Shallow Landslide Hazard Early Warning | Onsite |
| 32 | Adrian Wicki | Swiss Federal Research Institute WSL | Switzerland | The value of soil wetness measurements for regional landslide Early Warning Systems | Onsite |
| 33 | John Singer | AlpGeorisk | Germany | Technical concepts for an early warning system for rainfall induced landslides in informal settlements | Online |
| 34 | Agus Setyo Muntohar | Univeritas Muhammadiyah Yogyakarta | Indonesia | Development of Landslide Early Warning System based on the Satellite-Derived Rainfall Threshold in Indonesia | Recorded |
| 35 | Agie Wandala Putra | BMKG | Indonesia | | Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|------------------------------|--|----------------|---|------------------|
| | | | | The Efficient Early Warning with South East- Asia Oceania Flash Flood Guidance System (SAOFFGS) | |
| 36 | Qiang Xu | Chengdu University of Technology | China | Presenting Some Successful Cases of Regional Landslides Early Warning Systems in China | Onsite |
| 37 | Klaus-Peter Keilig | Technical University of Munich | Germany | Towards an early warning system for instable slopes in Gorgia The large Tskneti Akhaldaba landslide | Onsite |
| 38 | Lin Wang | Chuo Kaihatsu Corporation | Japan | An EWS of landslide and slope failure by MEMS tilting sensor array | Onsite |
| 39 | Piciullo Luca | NGI | Norway | Standards for the performance assessment of territorial landslide early warning systems | Onsite or Online |
| 40 | Zongji Yang | Institute of Mountain Hazards and Environment, CAS | China | Application and verification of a multivariate real-time early warning method for rainfall-induced landslides: implication for evolution of landslide-generated debris flows Landslides | Onsite |
| 41 | Michele Calvello | University of Salerno | Italy | LandAware: a new international network on Landslide Early Warning Systems | Onsite |
| 42 | Keren Dai | Chengdu University of Technology | China | Time to build the intergrated earth observation landslide early warning system | Onsite |
| 43 | Srikrishnan Siva Subramanian | Chengdu University of Technology | China | Modelling and defining early warning thresholds for snowmelt induced soil slope failures in seasonal cold regions | Online |
| 44 | Chih-Chung Chung | National Central University | Chinese Taipei | The Development of TDR-integrated landslide Early Warning System | Onsite or Online |
| 45 | Thom Bogaard | Delft University of Technology | Netherlands | What hydrological information should we include in landslide hazard assessment and Early Warning Systems? | Onsite |
| 46 | Ray Andrew Buensuceso | Philippine Institute of Volcanology and Seismology | Philippines | Monitoring and Early Warning System for Shallow and Deep-seated Landslides: A preliminary study in the Philippines | Onsite |
| 47 | Teuku Faisal Fathani | Universitas Gadjah Mada | Indonesia | Global standard for multi-hazards early warning system | Online |
| Session 3.4 Forecasting models and time predictions of landslides | | | | | |
| 48 | Maria Teresa Brunetti | CNR IRPI | Italy | | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|--------------------------|--|-------------------|---|------------------|
| | | | | Regional approaches in forecasting rainfall-induced landslides | |
| 49 | Shobhana Lakhera | Indian Institute of Remote Sensing | India | Establishing Soil Moisture and Rainfall Intensity-duration based thresholds for initiation of mass movements along the National Highway-58 in the Chamoli district of Uttarakhand | Onsite or Online |
| 50 | Graziella Devoli | Norwegian Water Resources and Energy Directorate | Norway | Seven years of landslide forecasting in Norway – strengths and limitations | Onsite or Online |
| 51 | Hyuck-Jin Park | Sejong University | Republic of Korea | Probabilistic modelling of uncertainties in physically based landslide susceptibility assessment | Recorded |
| 52 | Veronica Tofani | University of Florence | Italy | Characterization of hillslope deposits for physically-based landslide forecasting models | Onsite |
| 53 | Judith Uwihirwe | Delft University of Technology | Netherlands | Landslide precipitation thresholds in Rwanda | Onsite |
| 54 | Nikhil Nedumpallile Vasu | British Geological Survey | UK | Methodology for developing a preliminary hydrological threshold for rainfall-induced landslides in Kuala Lumpur city, Malaysia | Onsite |
| 55 | Brenda Rosser | GNS Science | New Zealand | Development of a Rainfall-induced Landslide Forecast Tool for New Zealand | Onsite |
| 56 | Naoki Iwata | Chuden Engineering Consultants Co.,Ltd | Japan | Influence of intervals measuring surface displacement on time prediction of slope failure using Fukuzono Method | Onsite |
| 57 | Katsuo Sasahara | Kochi University | Japan | Velocity and acceleration of surface displacement in sandy model slope with various slope conditions | Onsite |
| 58 | Praveen Kumar | Indian Institute of Technology Mandi | India | Comparison of Moving-average, Lazy, and Information Gain Methods for Predicting Weekly Slope-movements: A Case-study in Chamoli, India | Recorded |
| 59 | Antoinette Tordesillas | University of Melbourne | Australia | New insights into the spatiotemporal precursory failure dynamics of the 2017 Xinmo landslide and its surrounds | Onsite |
| 60 | Martin Krkač | University of Zagreb | Croatia | A comparative study of random forests and | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|-------------------------|--|----------------|---|------------------|
| | | | | multiple linear regression in the prediction of landslide velocity | |
| 61 | Adriaan van Natijne | Delft University of Technology | Netherlands | Machine Learning: Potential for Deep-Seated Landslide Nowcasting | Onsite |
| 62 | Andrea Segalini | Universita di Parma | Italy | Definition and application of a new multi-criteria algorithm to identify the landslide acceleration phase | |
| 63 | Imaya Ariyaratna | Kochi University | Japan | Prediction of Failure time based on velocity and acceleration of surface displacement in sandy model slope | Onsite or Online |
| 64 | Tomukum Chia | International Academy of Astronautica | Cameroon | IAA-Glocecohadim Regional Resilience Project integration Local Indigenous knowledge with Modern Space applications to combat climate change | |
| 65 | Babatunde Peter Akinola | Ministry of Environment Ado Ekiti Nigeria | Nigeria | Effect of severe space weather on man and environment | |
| Theme 4 Testing, Modeling and Risk Assessment | | | | | |
| Session 4.1 Recent Development in Physical Modeling of Landslides | | | | | |
| 1 | Timothy D. Stark | University of Illinois at Urbana--Champaign | USA | Oso Landslide: Failure Mechanism and Runout Analyses | Online |
| 2 | Rolando P Orense | University of Auckland | New Zealand | Application of magnetic tracking system in laboratory-scale rock avalanche model tests | Online |
| 3 | Yanto | Jenderal Soedirman University | Indonesia | A simple physically-based distributed translational landslide model | Onsite |
| 4 | Mastura Azmi | Universiti Sains Malaysia | Malaysia | Behaviour of Slope Instability using Physical and Computational Modelling | Online |
| 5 | Nobutaka Hiraoka | National Institute of Occupational Safety and Health | Japan | Centrifuge Modelling of Slope Failure due to Groundwater during Excavation | Recorded |
| 6 | Binod Tiwari | California State University, Fullerton | USA | Experimental Studies on the Effect of Vegetation Density to Change Underground Seepage Rate and Stability of Slopes | Onsite |
| 7 | Jonathan M Carey | GNS Science | New Zealand | Laboratory simulations of submarine landslide failure mechanisms | Online |
| 8 | Giovanna Capparelli | | Italy | | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|------------------------|--|----------------|---|------------------|
| | | University of Calabria | | Laboratory tests to simulate the rainfall infiltration process of pyroclastic soils subject to instability | |
| 9 | Irene Manzella | University of Plymouth | UK | Granular flow experiments and mobility of large mass flows | Onsite |
| 10 | Bharat Prasad Bhandari | Tribhuvan University | Nepal | Spatial dynamics of soil composition in the landslides of Siwalik zone, Nepal | Onsite |
| 11 | Jiajia Wang | Chang'an University | China | Tsunami Squares modeling of landslide generated impulsive waves | Online |
| 12 | Dongri Song | Institute of Mountain Hazards and Environment, CAS | China | Basal stresses of debris flow in instrumented flume | Online |
| 13 | Clarence Choi | The University of Hong Kong | China | Landslide growth: collisions and contractile skins | Online |
| 14 | Anthony Leung | Hong Kong University of Science and Technology | China | Innovative use of thermo-active pile row in unsaturated soil slope | Online |
| 15 | Ngoc Ha Do | University of Yamanashi | Japan | Research on landslides mechanism in case of heavy rainfall by flume experiment | Onsite |
| Session 4.2 Recent Development in Numerical Modeling of Landslides | | | | | |
| 16 | Daniel Pradel | Ohio State University Columbus | USA | Numerical Modelling for Slope Stabilizations in Modern Geotechnical Practice | Onsite |
| 17 | Roger Ruiz-Carulla | Technical University of Catalonia | Spain | 3D analysis of a fragmental rockfall | Online |
| 18 | Hans-Balder Havenith | University of Liege | Belgium | 3D landslide models in VR | Onsite or Online |
| 19 | Qihua Liang | Loughborough University | UK | A coupled discrete element and depth-averaged model for flow-like landslide simulations | Onsite or Online |
| 20 | Martin Mergili | University of Graz | Austria | Advanced methods for simulating complex landslides | Onsite |
| 21 | Guan-Yu Chen | National Sun Yat-sen University | Chinese Taipei | Application of Reciprocal Green's Functions on the Forecast of Submarine Landslide Tsunamis | Onsite |
| 22 | Kuo-Hsin Yang | National Taiwan University | Chinese Taipei | Deformation characteristics with porewater pressure development of shallow landslide triggered by rainfall infiltration | Onsite |
| 23 | Laura Longoni | Politecnico di Milano - | Italy | First test results from the SMART-SED simulation | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------------|--|----------------|---|------------------|
| | | Milano Leonardo | | tool basin scale sediment yield model | |
| 24 | Khang Dang | International Consortium on Landslides | Japan | Hazard assessment of a rainfall-induced deep-seated landslide in Hakha city, Myanmar | Onsite |
| 25 | Doan Huy Loi | International Consortium on Landslides | Japan | Landslide hazard zoning based on the integrated simulation model (LS-Rapid) | Onsite |
| 26 | Akihiko Wakai | Gunma University | Japan | Numerical simulation of a creeping landslide case in Japan | Recorded |
| 27 | Takashi Kitazume | Tokyo Electric Power Services Co., Ltd. | Japan | Numerical simulation of debris flows after ash fall at Mt. Fuji | Onsite |
| 28 | Thirapong Pipatpongsa | Kyoto University | Japan | On the progression of slope failures using inverse velocity of surface movements in an undercut slope model | Onsite |
| 29 | Mario Martinelli | Deltares | Netherlands | Rainfall boundary condition in a multiphase Material Point Method | Onsite |
| 30 | Hitoshi Nakase | TEPCO | Japan | Reproduction of Sedimentation State during Rock Slope Failure Using the Simplified DEM Model | Onsite |
| 31 | Matjaž Mikoš | University of Ljubljana | Slovenia | An extreme May 2018 debris flood case study in northern Slovenia: analysis, modelling, and mitigation | Onsite |
| 32 | Chaojun Ouyang | Institute of Mountain Hazards and Environment, CAS | China | Numerical modeling of dynamic process and risk prediction of recent catastrophe landslides | Online |
| 33 | Shuji Moriguchi | Tohoku University | Japan | Sensitivity analysis of DEM parameters in granular flow simulations | Onsite or Online |
| 34 | Marta Tomaszczyk | Polish Geological Institute-NRI | Poland | Numerical restoration of pre-failure slope geometry using DSI algorithm | Online |
| Session 4.3 Recent Development in Soil and Rock Testing Techniques, Application and Analysis Methods | | | | | |
| 35 | Binod Tiwari | California State University, Fullerton | USA | Recent Developments in the Evaluation and Application of Residual and Fully Softened Shear Strengths for the Stability Analyses of Landslides | Onsite |
| 36 | Pantaleone De Vita | Universita di Napoli Federico II | Italy | Analysis of shear strength variability of ash-fall pyroclastic soils involved in flow-like landslides | Onsite |
| 37 | L K Nimani S Kulathilake | Central engineering | Sri Lanka | Comparison of Soil Parameters and Soil | Recorded |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|------------------------|--|----------------|--|--------------|
| | | consultancy Bureau | | Moduli E50 & E70 of Residual Soils used in Stability Analysis | |
| 38 | Pongsakorn Wongchana | Chiang Mai University | Thailand | Modelling of Creep Behavior of Claystone in Mae Moh Open-Pit Mine Using the Soft Soil Creep Model | Onsite |
| 39 | Deepak Raj Bhat | Okuyama Boring Co., Ltd. | Japan | Shearing rate effect on residual strength of typical clay soils in ring shear test | Onsite |
| 40 | Sabatino Cuomo | University of Salerno | Italy | Simple shear tests for unsaturated soils | Onsite |
| 41 | Beena Ajmera | North Dakota State University | USA | Simplest Methods of Determining Dynamic Soil Properties for Use in Co-seismic Hazard Analysis | Onsite |
| 42 | Yao Jiang | Institute of Mountain Hazards and Environment, CAS | China | The acoustic emission characteristics and shear behaviour during granular shearing | Onsite |
| 43 | Shenghua Cui | Chengdu University of Technology | China | Liquefaction within Bedding Fault: New Understanding of the Initiation and Movement of Daguangbao Landslide Triggered by the 2008 Wenchuan Earthquake (Ms=8.0) | Onsite |
| 44 | Netra Prakash Bhandary | Ehime University | Japan | Residual-state ring shear creep tests on clayey materials and development of creep failure model | Onsite |
| Session 4.4 Recent Advancements in the Methods of Slope Stability and Deformation Analyses | | | | | |
| 45 | Timur Ersöz | Middle East Technical University | Turkey | Slope Stability Assessment of Weak and Weathered Rocks with BQ System | Onsite |
| 46 | Elizabeth A Holcombe | University of Bristol | UK | Soil databases to assist slope stability assessments in the Eastern Caribbean | Recorded |
| 47 | Ran LI | Tongji University | China | Failure mechanism of a flow-like landslide triggered by the 2018 Western Shimane Earthquake | Onsite |
| 48 | Jianqi Zhuang | Chang'an University | China | Mechanism of the remodel loess failure due to Gully Stabilization and Highland Protection and improvement using Sodium Alginate | Recorded |
| 49 | Saaduddin | University of Leeds, UK | UK | The Mt Gamalama instability level in generating landslide-induced tsunami in Ternate Island, Indonesia | Onsite |
| Session 4.5 Recent Development in Disaster Risk Assessment | | | | | |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|--------------------------|--|-------------------|--|------------------|
| 50 | Limin Zhang | Hong Kong University of Science and Technology | China | Engineering Risk Mitigation for Landslide Hazard Chains: the Baige Landslides on the Jinsha River in 2018 | Online |
| 51 | Shantanu Sarkar | Central Building Research Institute | India | Engineering Geological Investigation and Slope Stability Analysis for Landslide Hazard Assessment in Indian Himalayas | Onsite |
| 52 | Giuseppe Mandrone | University of Torino | Italy | First considerations about post 2017 wildfire erosion response and debris flows in Susa valley (NW Italy) | Recorded |
| 53 | Wahyu Wilopo | Gadjah Mada University, Indonesia | Indonesia | Identification of Sliding Surface and Crack Pattern in the Soil Creep, Case Study: Unika Soegjapranata Campus, Semarang, Central Java, Indonesia | Online |
| 54 | Saskia de Vilder | GNS Science | New Zealand | Quantitative risk analysis of earthquake-induced landslides | Onsite or Online |
| 55 | Julian S. H. Kwan | Geotechnical Engineering Office, Hong Kong SAR | China | Role of Remote Sensing Technology in Landslide Risk Management of Hong Kong | Online |
| 56 | Luke A. McGuire | University of Arizona | USA | What drives spatial variability in rainfall intensity-duration thresholds for post-wildfire debris flows? Insights from the 2018 Buzzard Fire, NM, USA | Onsite or Online |
| 57 | Luqi Wang | China University of Geosciences | China | Risk assessment of submerged rock mass in reservoir area | Recorded |
| 58 | Yajun Li | Lanzhou University | China | Active periods of debris flows on the eastern margin of the Tibetan Plateau | Onsite |
| 59 | Keh-Jian Shou | National Chung-Hsing University | Chinese Taipei | On the scale effect of the catchment landslide susceptibility with consideration of climate change | Onsite |
| 60 | Ananta Man Singh Pradhan | Pukyong National University | Republic of Korea | Hybrid rainfall thresholds and landslide susceptibility for scenario-based vulnerability and risk assessment in South Korea | Onsite |
| 61 | Jordi Corominas | Universitat Politècnica de Catalunya-BarcelonaTech | Spain | Fragmental rockfalls and the analysis of risk | Onsite or Online |
| 62 | Ratih Indri Hapsari | | Indonesia | | |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-------------------|---|----------------|--|--------------------|
| | | State Polytechnic of Malang | | Satellite Soil Moisture for Estimating Landslide Hazard | Online or Recorded |
| 63 | Holger Pankrath | Leipzig University Of Applied Sciences | Germany | Shaking table tests of small scaled slope models | |
| Theme 5 Catastrophic Landslides and Frontiers of Landslide Science | | | | | |
| Session 5.1 Landslides and earthquakes | | | | | |
| 1 | Paulus Rahardjo | Universitas Katolik Parahyangan | Indonesia | Study on the Phenomena of Liquefaction Induced Massive Landslides in 28 September 2018 Palu-Donggala Earthquake | |
| 2 | Daria Shubina | Sergo Ordzhonikidze Russian State University for Geological Prospecting | Russia | The Krasnogorsk landslide (Northern Caucasus): its evolution and modern activity | Onsite |
| 3 | Salvatore Martino | University of Rome La Sapienza | Italy | Earthquake-triggered landslides and slope-seismic waves interaction inferring induced displacements | Online |
| 4 | Hiroshi Yagi | Yamagata University | Japan | Slope deformation of Jure landslide 2014 along Sun Koshi in Lesser Nepal Himalaya and effect of Gorkha earthquake 2015 | Onsite |
| 5 | Toshiya Aoki | Hokkaido University | Japan | Pressure head dynamics on a natural slope in Eastern Iburi struck by the 2018 Hokkaido earthquake | Onsite |
| 6 | Xuanmei Fan | SKLGP, Chengdu University of Technology | China | The disaster chain effect of landslides after strong earthquakes | Onsite or Online |
| 7 | Yi Zhang | Lanzhou University | China | Geomorphology and movements of deep-seated landslide along active fault in the Bailong River basin | Onsite |
| 8 | Shuai Zhang | Tongji University | China | Hydrated halloysite: the pesky stuff responsible for a cascade of landslides triggered by the 2018 Iburi earthquake, Japan | Onsite or Online |
| Session 5.2 Landslide dams and outburst floods | | | | | |
| 9 | Tomas Kroccek | Charles University | Czech Republic | Rockfall/rockslide hazard, lake expansion and dead-ice melting assessment: Lake Imja, Nepal | Online |
| 10 | Oleg V. Zerkal | Lomonosov Moscow State University | Russia | Formation of the 2018 Bureya landslide, Far East of Russia | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-------------------------|---|----------------|---|--------------------|
| 11 | Regine Morgenstern | GNS Science | New Zealand | Landslide dam hazards: assessing their formation, failure modes, longevity and downstream impacts | Onsite |
| 12 | Chukwuueloka A.U. Okeke | Covenant University, Nigeria | Nigeria | The Sedimentology and Internal Structure of Landslide Dams – Implications for Internal Erosion and Piping Failure: A Review | Onsite |
| 13 | Arash Barjasteh | Khuzestan Water & Power Authority | Iran | March 2019 flood impact on the stability of Ambal salt ridge in the Gotvand dam reservoir, Southern Iran | Onsite |
| 14 | Christian Zangerl | University of Natural Resources and Life Sciences | Austria | Investigation, characterisation and monitoring of deep-seated landslides in the surroundings of large dam reservoirs | Online |
| Session 5.3 Catastrophic large-scale landslides in mountainous regions | | | | | |
| 15 | Alexand Strom | Geodynamics Research Center | Russia | Rock avalanches: basic characteristics and classification criteria | Onsite |
| 16 | Jan Burda | VUHU | Czech Republic | An interdisciplinary assessment of a coal-mining-induced catastrophic landslide (Czech Republic) | Onsite |
| 17 | Gioachino Roberti | Minerva Intelligence | Canada | Could glacial retreat-related landslides trigger volcanic eruptions? Insights from Mount Meager, British Columbia | Online |
| 18 | Andrey A. Ponomarev | Lomonosov Moscow State University | Russia | Rock avalanches in the upper reaches of the Mzymta River, Russia | Online |
| 19 | Hans-Balder Havenith | Liège University | Belgium | Structural and dynamic numerical models of rockslides in the Carpathians and the Alps | Onsite or Online |
| 20 | Michele Delchiaro | Sapienza University of Rome | Italy | Quantitative investigation of a Mass Rock Creep deforming slope through A-Din SAR and geomorphometry | Online |
| 21 | Ching-Ying Tsou | Hirosaki University | Japan | Deformational Features of Deep-Seated Gravitational Slope Deformation of Slate Slopes in the Central Range, Taiwan | Online or Recorded |
| 22 | Kiichiro Kawamura | Yamaguchi University | Japan | Bathymetric Analyses of Submarine Landslides on the Jan Mayen Ridge, Norwegian–Greenland Sea | Online |
| 23 | Dirk Kuhn | Federal Institute for Geosciences | Germany | Forkastningsfjellet rock slide, Spitsbergen: State of activity in a changing climate | Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|----------------------|--|----------------|--|--------------------|
| | | and Natural Resources | | | |
| 24 | Vinod K Sharma | Geological Survey of India (Retd) | India | Catastrophic landslides in Indian sector of Himalaya | Onsite |
| 25 | Andrée Blais-Stevens | Geological Survey of Canada | Canada | Landslides that caused fatalities in Canada from 1771-2019 | Onsite or Online |
| 26 | Tomáš Pánek | University of Ostrava | Czech Republic | Giant landslides in the foreland of Patagonian Andes: effects of deglaciation and drawdown of glacial lakes | Onsite |
| 27 | Mark E. Reid | U.S. Geological Survey | USA | Basal Liquefaction from Rapid Landsliding: The 2014 Deadly Oso Landslide (USA) | Onsite |
| 28 | Toshimi Mizuno | OYO Corporation | Japan | The evaluation of Deep-seated catastrophic landslides (DCLs) on Kii Peninsula 2011 by means of the historical deformation | Onsite |
| 29 | Violchen Sepulveda | Universidad de Chile | Chile | Catastrophic landslide and subsequent tsunamis in Los Lagos District, Chile | Onsite or Online |
| 30 | Carlo Esposito | Universita La Sapienza | Italy | Time-dependent rock mass deformation and landscape evolution in causing catastrophic rockslides | Onsite |
| 31 | Marte Gutierrez | Colorado School of Mines | USA | The Massive February 17, 2006, Leyte, Philippines, Rockslide | Onsite |
| Session 5.4. Landslides triggered by extreme rainfall and other effects of climate change | | | | | |
| 32 | Ken Ho | Geotechnical Engineering Office, Hong Kong SAR | China | Enhancing Preparedness against Impact of Climate Change on Slope Safety in Hong Kong | Onsite or Online |
| 33 | Wei Shan | Northeast Forestry University | China | Climate Change and Surface Deformation Characteristics in Degradation Area of Permafrost in Lesser Khingan Mountain, China | Recorded |
| 34 | Nejc Bezak | University of Ljubljana | Slovenia | Climate change impact evaluation on the water balance of the Koroška Bela area, NW Slovenia | Online or Recorded |
| 35 | Qiang Zou | Institute of Mountain Hazards and Environment, CAS | China | Characteristics and causes of the debris flow in Shelong Gully, China | Onsite or Online |
| 36 | Kounghoon Nam | Tongji University | China | Extreme rainfall induced landslide susceptibility assessment using Autoencoder combined with Random forest | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|--------------------------|--|----------------|---|--------------------|
| 37 | Hongjuan Yang | Institute of Mountain Hazards and Environment, CAS | China | Rainfall-induced landslides and debris flows in Mengdong Town, Yunnan Province, China | Online or Recorded |
| 38 | Swapna Acharjee | Department of Science and Technology, Government of Arunachal Pradesh | India | Landslide triggered by rainfall and landuse change: A case study of Laptap Landslide, Arunachal Pradesh, India | Online |
| 39 | Komatsubara Taku | Geological Survey of Japan, AIST | Japan | Relationships between antecedent rainfall and volume of earthquake-induced landslides in historical era of Japan | Onsite |
| 40 | Denis Gorobtsov | Russian State Geological Prospecting University n. a. Sergo Ordzhonikidze (MGRI) | Russia | Paragenetic landslide-mudflow process in the upper Belaya river (Caucasus, Russia) | Onsite |
| 41 | Jeffrey A. Coe | US Geological Survey | USA | Bellwether sites for evaluating changes in landslide frequency and magnitude in cryospheric mountainous terrain: a call for systematic, --- | Onsite or Online |
| Session 5.5. Frontiers of landslide science | | | | | |
| 42 | Sabatino Cuomo | University of Salerno | Italy | Numerical Modelling of Landslide-Structure--Interaction | Onsite |
| 43 | Tazio Strozzi | Gamma Remote Sensing | Switzerland | Accelerating Landslide Hazard at Kandersteg, Swiss Alps; Combining 28 years of satellite InSAR and single campaign terrestrial radar data | Onsite |
| 44 | Ying GUO | Northeast Forestry University | China | Identification old landslides in permafrost degradation area in Northeast China by difference distribution of surface trees | Recorded |
| 45 | Thi Minh Hue Le | Norwegian Geotechnical Institute | Norway | Forensic geotechnical investigation of the Skjeggstad quick clay landslide, Norway | Onsite |
| 46 | Paula Hilger | Western Norway University of Applied Sciences | Norway | A landform evolution model for the Mannen area in Romsdal valley, Norway | Onsite |
| 47 | Guglielmo Grechi | University of Rome La Sapienza | Italy | Multimethodological study of non-linear strain effects induced by thermal stresses on jointed rock masses | Online |
| 48 | S.O.A.D. Mihira Lakruwan | Tohoku University | Japan | Economizing the Soil Nailing Design by Drainage | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|--------------------------|---|----------------|---|--------------|
| | | | | Improvement – Case History at Ginigathhena | |
| 49 | Sandro Moretti | University of Firenze | Italy | Large and small scale multi-sensors remote sensing for landslide characterisation and monitoring | Onsite |
| 50 | Gabriel Legorreta Paulin | Universidad Nacional Autonoma de Mexico | Mexico | Modeling landslide volumes: A case study in Whatcom County, Washington, USA | Onsite |
| 51 | Maria Isabel Marín-Cerón | EAFIT University | Colombia | CRE dating of torrential alluvial deposits as an approximation of the Holocene climate-changes signatures in the Northwestern Colombian Andes | Onsite |
| 52 | Pietro Rimoldi | Consultant | Italy | Geosynthetic reinforced soil structures for slope stabilization and landslide rehabilitation in Asia | Online |
| 53 | Reshad Md. Ekram Ali | Geological Survey of Bangladesh | Bangladesh | Influence of geology and geological structures in triggering landslides, Bangladesh perspective. | Online |
| 54 | Ruichen Chen | China University of Geosciences (Beijing) | China | Kinematic mechanism of a long runout landslide in the upper reaches of the Jinsha River | Recorded |
| 55 | Scott McDougall | University of British Columbia | Canada | Drone-based LiDAR surveying of landslide deposits to characterize runout behaviour | Recorded |
| 56 | Wen-Chieh Cheng | Xi'an University of Architecture and Technology | China | Mobility Characteristics in Loess Landslide over Erodible Bed: Insights from Sandbox Experiment | Onsite |
| 57 | Xingmin Meng | Lanzhou University | China | Landslide Hazards and Management in Beilong River Corridor, China | Onsite |
| 58 | Costanza Morino | Universite de Nantes | France | Different dynamics of permafrost degradation-induced landslides revealed by molards | Online |
| 59 | Yoshinori Otani | Hirose Hokyodo & Co.,ltd. | Japan | Recent Development of the Mechanically Stabilized Earth Walls with Geosynthetic Strap Reinforcements | Online |
| 60 | Junichi Koseki | University of Tokyo | Japan | Japanese case histories on use of geosynthetics in reconstructing failed slopes | Onsite |
| 61 | Mario Valiante | Salerno University | Italy | A spatiotemporal object-oriented data model for landslides (LOOM): some first pilot | Online |

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Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|----------------------|---|----------------|--|--------------|
| | | | | applications from the Cilento Geopark (Italy) | |
| 62 | Motohiro Ito | Nippon Koei Co., LTD. | Japan | Emergency mitigation measures of a dip slope slide with uplifted toe caused by heavy rain in Chichibu, east Japan | Online |
| Theme 6 Specific Topics in Landslide Science and Applications | | | | | |
| Session 6.1 Impact of large ground deformations near seismic faults on critically important civil-infrastructures | | | | | |
| 1 | Kazuo Konagai | International Consortium on Landslides | Japan | Recent earthquakes that hit areas covered and/or underlain by pyroclastic matters and their impacts on lifelines | Onsite |
| 2 | Alex Tang | L&T Consulting | Canada | Lessons Learned – Landslide Induced Lifelines Disasters from Past Earthquakes | Onsite |
| 3 | Hiroshi P. Sato | College of Humanities and Sciences, Nihon Univ. | Japan | Relation between horizontal direction of crustal deformation surveyed on the control points and area ratio of the slope failures triggered by the 2016 Kumamoto earthquake (Mj7.3) | Recorded |
| 4 | Junji KIYONO | Kyoto University | Japan | Seismic response of buried pipeline to strong ground motion of strike-slip fault | Onsite |
| 5 | Vishnu Dangol | Nepal Landslide Society | Nepal | Impact on Infrastructure by 2015 Gorkha Earthquake Induced Landslides | Onsite |
| 6 | Tara Nidhi Bhattarai | Tribhuvan University | Nepal | Reconstruction Strategies for Mw 7.8 Earthquake-induced Landslide-affected Settlements in Nepal | Online |
| 7 | Katsumi Ebisawa | Central Research Institute of Electric Power Industry | Japan | State of nuclear power plant risk assessment for ground deformation with seismic faulting | Online |
| 8 | Chih-Hsuan Liu | National Cheng Kung University | Chinese Taipei | Relationship between Arias intensity and the earthquake-induced displacements of slopes | Online |
| Session 6.2 Recent Progress in the Landslide Initiating Science | | | | | |
| 9 | Amin Askarinejad | Delft University of Technology | Netherlands | Water exfiltration from bedrock: a drastic landslide triggering mechanism | Online |
| 10 | Haijun Qiu | Northwest University | China | Controls on landslide size: insights from field survey data | Onsite |
| 11 | Ikuo Towhata | Kanto Gakuin University | Japan | Geologic and hydrologic investigations on slope failures triggered by extreme rainfall on Izu Oshima Island, Japan | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|-------------------|---|----------------|--|------------------|
| 12 | Yifei Cui | Tsinghua University | China | Investigation of internal erosion of wide grading loose soil – a micromechanics-based study | Onsite |
| 13 | Hiroataka Ochiai | Japan Forest Technology Association | Japan | Landslide Field Experiment on a Natural Slope in Futtsu City, Chiba Prefecture | Onsite |
| 14 | Vedran Jagodnik | University of Rijeka | Croatia | Mechanism of landslide initiation in small-scale sandy slope triggered by an artificial rain | Online |
| 15 | Huayong Chen | Institute of Mountain Hazards and Environment, CAS | China | Experimental study on formation and propagation of debris flow triggered by the glacial lake outburst flood | Onsite |
| 16 | Yan Yan | Southwest Jiaotong University | China | Quantitative analysis of landslide processes based on seismic signals - a new method for monitoring and early warning of landslide hazards | Onsite |
| Session 6.3 Earth Observation and Machine Learning | | | | | |
| 17 | Christopher Gomez | Kobe University | Japan | High-resolution point-cloud for Landslides in the 21st Century: from data acquisition to new processing concepts | Onsite |
| 18 | Daniele Giordan | CNR-IRPI | Italy | Automatized dissemination of landslide monitoring bulletins for early warning applications | Online |
| 19 | Giulia Bossi | CNR-IRPI, Research Institute for Geo--Hydrological Protection | Italy | Detecting change of patterns in landslide displacements using machine learning, an example application | Online |
| 20 | Elahe Jamalnia | Delft university of technology | Netherlands | Predicting rainfall induced slope stability using Random Forest regression and synthetic data | Online |
| 21 | Ivan Depina | SINTEF | Norway | Machine learning models for rainfall-induced landslide predictions on local to regional scales | Online |
| Session 6.4 General Landslide Studies | | | | | |
| 22 | Vassilis Marinos | National Technical University of Athens | Greece | Engineering geological appreciation in landslide mapping for a natural gas pipeline project: challenges and risk reduction measures | Onsite |
| 23 | Tonglu Li | Chang'an University | China | Loess Stratigraphy and Loess Landslides in the Chinese Loess Plateau | Recorded |
| 24 | Louise M Vick | | Norway | | Onsite or Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|----|---------------------|--|----------------|--|------------------|
| | | UiT The Arctic University of Norway | | The Jettan Rockslide- an engineering geological overview | |
| 25 | Hermanns Reginald L | Geological Survey of Norway | Norway | Mapping, hazard and consequence analyses for unstable rock slopes in Norway | Onsite |
| 26 | Martina Böhme | Geological Survey of Norway | Norway | Landscape formation and large rock slope instabilities in Manndalen, northern Norway | Onsite |
| 27 | Francis Rengers | U.S. Geological Survey | USA | Landslides after wildfire: initiation, magnitude, and mobility | Onsite or Online |
| 28 | Peng Cui | Institute of Mountain Hazards and Environment, CAS | China | Disaster Risk Assessment of the Silk Road | Onsite or Online |
| 29 | Daisuke Higaki | Nippon Koei, Co. Ltd. | Japan | Rehabilitation of gully-dominant hill slopes by using low-cost measures-a case study in Nepal | Onsite |
| 30 | Chinthaka Ganepola | Asian Disaster Preparedness Center, Sri Lanka office | Sri Lanka | Site Suitability Analysis for Nature-based Landslide Risk Mitigation | Recorded |
| 31 | Oleg V. Zerkal | Lomonosov Moscow State University | Russia | Classification of Cryogenic Landslides and Related Phenomena (by Example of the Territory of Russia) | Onsite |
| 32 | Susumu Nakamura | College of Engineering, Nihon University | Japan | Risk assessment of structural damage for rock collision due to earthquake-induced landslide | Onsite |
| 33 | Weile Li | Chengdu University of Technology | China | Precursor of large rockslides and its application on landslide early detection | Online |
| 34 | Michiyo Nakashima | NIPPON KOEI | Japan | The Report on a landslide in Kyotango city, Kyoto prefecture | Onsite |
| 35 | Yasunori Katsume | OYO CORPORATION | Japan | Three-dimensional shape of mountainous landslide and the ground deformation caused by snow melting - Jin'nosuke-dani landslide, Mount Hakusan, Central Japan | Onsite |
| 36 | Lal Dinpuia | Mizoram University | India | Slope instabilities analysis and monitoring of Aizawl landslides, Mizoram, Northeast India | Onsite |
| 37 | Yu Zhao | Institute of Mountain Hazards and Environment, CAS | China | Measuring colloidal forces between clay microparticles with optical tweezers | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|----------------------|---|----------------|---|--------------------|
| 38 | Jana Eichel | Utrecht University | Netherlands | Biogeomorphic feedbacks between plants and mass movement processes in periglacial environments | Onsite |
| Session 6.5 The Japanese Geotechnical Society Session "Risk and Adaptation in Geo-Disaster Vulnerable Areas under Resecent Severe Earthquake and Extreme Rainfall" | | | | | |
| 39 | Kazuya Yasuhara | Ibaraki University | Japan | Contribution of geotechnical engineering to climate change and IPCC | Onsite |
| 40 | Motoyuki Suzuki | Yamaguchi University | Japan | Urgent issues and new suggestions for geo-disaster prevention in Japan | Onsite |
| 41 | Tatsuya Ishikawa | Hokkaido University | Japan | Lessons from recent geo-disasters in Hokkaido under heavy rainfall | Onsite |
| 42 | Noriyuki Yasufuku | Kyushu University | Japan | Lessons from recent geo-disasters caused by heavy rainfall in recent years in Kyushu Island, Japan | Onsite |
| 43 | Shima Kawamura | Muroran Institute of Technology | Japan | Lessons from recent geo-disasters in Hokkaido under earthquake | Onsite |
| 44 | Kiyonobu Kasama | Tokyo Institute of Technology | Japan | Lessons from recent eqrthquake-induced Geo-disaster in Kyushu | Onsite |
| 45 | Kumiko Fujita | International Consortium on Landslides | Japan | Starting International Joint Research for Landslide Disaster Risk Reduction: The Use of Japanese Warning Technology Considering the Social Differences in Sri Lanka and Japan | Onsite |
| 46 | Yamashita Yuichi | Technico Ltd. | Japan | Daily education for disaster risk reduction and victim support in disaster | |
| 47 | YongSu Kim | NPO Sediment Disaster Prevention Publicity Center | Japan | A study for improving disaster prevention of community | |
| 48 | Changbao Guo | China Geological Survey | China | Reactivation mechanism of ancient landslide in the eastern Tibetan Plateau, China | Online or Recorded |
| Session 6.6. Landslide Remediation and Mitigation Studies | | | | | |
| 49 | Stavroula Fotopoulou | Aristotle University of Thessaloniki | Greece | Towards a probabilistic performance-based methodology for the vulnerability assessment of buildings subjected to seismically induced landslides | Online or Recorded |
| 50 | Jose A. Chavez | OPAMSS | El Salvador | Slope Behavior Improvement of Partially-Saturated Pyroclastic in Data Scarse Regions | Recorded |

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| No | Speaker | Organization | Country/region | Title | Presentation |
|--|------------------|---|-------------------|---|--------------|
| 51 | Christophe Balg | Geobrugg AG | Switzerland | Applying over ten years of experience in debris flow barriers to examples in South Africa and India for permanent protection | Onsite |
| Korean Session in Theme 6 | | | | | |
| 52 | Lee Jin-Ho | Korean Association of Soil and Water Conservation | Republic of Korea | Introduction of a Technique Developed for Examining Distribution of Land Creep Susceptible Zones in Korea | Online |
| 53 | JUNG IL SEO | Korean Society of Forest Engineering | Republic of Korea | Development of a Statistical Model to Assess the Potential Possibility of Land Creep in Korean Mountain Areas | Online |
| 54 | Namgyun Kim | National Forestry Cooperative Federation | Republic of Korea | Stability analysis for cut-slope collapse by earthquake | Online |
| 55 | Sung Jin Lee | Korea Forest Service | Republic of Korea | Landslide Control Policy of Korea | Online |
| 56 | Sangjun IM | Seoul National University | Republic of Korea | Quantitative Evaluation of Erosion Control Dam on Sediment Trapping Efficiency with a Simulation Approach | Online |
| 57 | Young-Suk Song | Korea Institute of Geoscience and Mineral Resources | Republic of Korea | Development of physically-based model using hydrological and geotechnical analysis to forecast shallow landslide | Online |
| Thematic issue "Sendai Landslide Partnerships 2015-2025" | | | | | |
| 1 | Masahiro Shinoda | National Defense Academy | Japan | Regional landslide susceptibility following the 2016 Kumamoto earthquake using back-calculated geomaterial strength parameters | Onsite |
| 2 | Roberta Boni | Department of Earth and Environmental Sciences | Italy | Assessment of the Sentinel-1 based ground motion data feasibility for large scale landslide monitoring | Online |
| 3 | Tingkai Nian | Dalian University of Technology | China | Experimental investigation on the formation process of landslide dams and a criterion of river blockage | Recorded |
| 4 | Ben Leshchinsky | Oregon State University | USA | The Hooskanaden Landslide: historic and recent surge behavior of an active earthflow on the Oregon Coast | Onsite |
| 5 | Changdong Li | China University of Geosciences, Wuhan | China | Recent rainfall- and excavation-induced bedding rockslide occurring on 22 October 2018 along the Jian-En expressway, Hubei, China | Online |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|-----------------------|--|----------------|--|--------------|
| 6 | Karel Šilhán | University of Ostrava | Czech Republic | Dendrogeomorphology of landslides: principles, results and perspectives | Recorded |
| 7 | Guruh Samodra | Universitas Gadjah Mada | Indonesia | Characterization of displacement and internal structure of landslides from multitemporal UAV and ERT imaging | Recorded |
| 8 | Christopher I. Massey | GNS Science | New Zealand | Landslides triggered by the MW7.8 14 November 2016 Kaikōura earthquake: an update | Onsite |
| 9 | Sudesh Kumar Wadhawan | Amrita Vishwa Vidyapeetham | India | Causative Factors of Landslides 2019: Case Study in Malappuram and Wayanad Districts of Kerala, India | Online |
| E-Proceedings session by the Japan Landslide Society | | | | | |
| Session 6.E1 International Cooperation in Landslide Disaster/Risk Reduction (Japan) | | | | | |
| 1 | Haruki Ogasa | Japan International Cooperation Agency | Japan | JICA's support in sediment disaster risk reduction | |
| 2 | Tomoharu Iwasaki | KOKUSAI KOGYO CO., LTD | Japan | Technical cooperation project: Landslide Adviser for Mauritius | Onsite |
| 3 | Mukteshwar Gobin | Kyushu University | Japan | Structural and non-structural countermeasures against landslides implemented in Mauritius with the assistance of the Government of Japan | Online |
| 4 | Kiyoharu Hirota | KOKUSAI KOGYO CO., LTD/(ICL) | Japan | Preliminary report of simple hazard mapping methods for slope stability in Tegucigalpa, Honduras | Onsite |
| 5 | Lidia Torres-Bernard | National Autonomous University of Honduras | Honduras | AHP method applicated to landslide susceptibility mapping in pilot sites of Tegucigalpa | Online |
| 6 | Elias Garcia-Urquia | National Autonomous University of Honduras | Honduras | Coupling antecedant rainfall and intensity-duration thresholds for landslide occurrence in Tegucigalpa, Honduras, 2010 | Online |
| 7 | Takeshi Kuwano | Kokusai Kogyo | Japan | Slope disaster and countermeasures in Honduras | Online |
| 8 | Tempa Thinley | Department of Road, Ministry of Works and Human Settlement | Bhutan | Landslide disaster management and capacity development for roadside slope risk reduction in Bhutan | Onsite |
| 9 | Takashi Hara | OYO Corporation | Japan | Rockfall protection on road in Bhutan | Online |
| 10 | Naoto Iwasa | Nippon Steel Metal | Japan | Application on slope stabilization method | Online |

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| No | Speaker | Organization | Country/region | Title | Presentation |
|---|--------------------|--|----------------|---|--------------|
| | | Products CO.,Ltd. | | aimed an environment and landscape conservation | |
| 11 | Kaoru Nakazato | Pacific Consultants Co.,LTD. | Japan | Generating landslide hazard map on 2015 Nepal Earthquake and subsequent training activity | Onsite |
| 12 | Daisuke Higaki | Nippon Koei, Co. Ltd. | Japan | A case study of low-cost measures against landslides by river bank erosion in Nepal | Onsite |
| 13 | Masanori Tozawa | Kokusai Kougyo co., ltd. | Japan | Introduction of preventive measures in the road infrastructure development in Tajikistan, in cooperation with a JICA technical project | Onsite |
| 14 | Yoji KASAHARA | Japan Conservation Engineers & Co., LTD. | Japan | Road slope disaster countermeasures in Sri Lanka | Onsite |
| 15 | Pucal Yang | Nippon Koei Co., Ltd. | Japan | Identification of debris flow hazards in Sri Lanka | Recorded |
| 16 | Alonso Alfaro | Ministry of Public Works and Transport | EL Salvador | Rockfall and landslides events and its study in Los Chorros Segment of the CA01 route, El Salvador. | Onsite |
| 17 | Mikihiro MORI | Nippon Koei. Co. Ltd. | Japan | Risk Estimation and Cost-Benefit Analysis of Road geohazard Risk Reduction by comprehensive assessment for seismic and non-seismic hazards. | Onsite |
| Session 6.E2 Introduction of landslide mitigation measures of Japan | | | | | |
| 18 | Toko Takayama | Asia Air Survey Co., Ltd. | Japan | Landslide interpretation and evaluation based on precise visualization method using high resolution geospatial data | Recorded |
| 19 | Wataru Takeshita | Public Works Research Institute (PWRI) | Japan | Use of UAV-SfM point cloud for emergency response to landslide disasters | Onsite |
| 20 | Tomoya Hayakawa | Nippon Koei Co., Ltd. | Japan | The large landslide dam in Hidakahoronai, Hokkaido | Onsite |
| 21 | Senro Kuraoka | Nippon Koei Co., Ltd. | Japan | Development of methods to assess the annual expected loss of earthquake-induced landslides | Online |
| 22 | Nobuyuki Shibasaki | NIPPON KOEI CO., LTD. | Japan | Effect of S wave velocity structure of ground on occurrence of strain in landslide slope during earthquake... | Onsite |
| 23 | Wataru Sagara | | Japan | Relationship between water quality and ground | Onsite |

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| No | Speaker | Organization | Country/region | Title | Presentation |
|---|-------------------|---|----------------|--|--------------|
| | | SABO&Landslide Technical Center | | condition of earthquake-induced landslide areas in a mountain watershed | |
| 24 | Yoshinori Ito | Kowa Co.,Ltd. | Japan | Prediction of the groundwater level fluctuation in landslide area using genetic algorithm | Onsite |
| 25 | Akihiro Miyagi | SABO & Landslide Technical Center | Japan | Relationship between bamboo rhizome and surface failure | Onsite |
| 26 | Kazunori Hayashi | Okuyama Boring Co., Ltd. | Japan | Small and simple water drainage drilling method for landslide disaster prevention | Onsite |
| 27 | Yoshitsugu Kimura | Toa Grout Kogyo Co., Ltd | Japan | Performance Verification of sediment capture by Flexible Barrier | Onsite |
| 28 | Masayuki Ujihara | Nittoc Construction Co.,Ltd. | Japan | The Geofiber method-protecting slopes with environment-conscious continuous fiber reinforced soil | Online |
| 29 | Hiroaki KOJIMA | OSASI Technos, Inc. | Japan | Case studies of installation of measuring instruments on overseas landslide countermeasures and their problems : examples of Sri Lanka and Honduras | Onsite |
| 30 | Yusuke Koyama | Japan Broadcasting Corporation | Japan | Disaster risk coverage of TV media for citizens | Recorded |
| 31 | Go SATO | Teikyo Heisei University | Japan | Creating the archives of landslide interpretation process using an eye-tracking system | Onsite |
| 32 | Lin Wang | Chuo Kaihatsu Corporation | Japan | Microseism and Vibration Sensor Array Monitoring System | Onsite |
| Session 6.E3 Activities of Landslide-prevention engineers to enhance local capacity for disaster reduction in Japan | | | | | |
| 33 | Noriko Ohnuma | Japan Conservation Engineers & CO.,LTD. | Japan | Process of Preparing Community Disaster Management Plan: Case Study of Communities on Ichinichi-Mae Project and CDMP that Have Experienced Recent Disaster | Onsite |
| 34 | Kiyomi Nakamura | Japan Conservation Engineers & Co. Ltd. | Japan | Extraction of subjects for regional disaster risk reduction by teaching materials simulating evacuation behaviors | Onsite |
| 35 | Shunitsu Fujii | Fujii Consulting & Associates | Japan | An easy way to learning rainfall-induced landslides and its prevention using analog modelling | Recorded |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|--|--------------------|---|----------------|---|------------------|
| 36 | Akihiko Tadokoro | Shikoku Geotechnical Consultants Association | japan | The workshop program of disaster prevention learning for primary school children and junior high school students | Onsite or Online |
| 37 | Kouichi Ikebe | The Japan Landslide Society Chubu Branch | Japan | Approaches and actions for information dissemination and education for disaster resilience in the Chubu Branch of Japan Landslide Society | Onsite |
| 38 | Takemine Yamada | The Japanese Professional Engineers Society for Geotechnical Evaluation | Japan | Collaboration of the City of Yokohama and the JAGE's chartered engineers for geotechnical evaluation consultation with local residents | Onsite |
| Session 6.E4 Challenges in international unification of slope disaster prevention technologies | | | | | |
| 39 | Yuuchi UENO | Nittoc Construction Co., Ltd. | Japan | International comparison of the classification of soils and rocks for determining the stable cut slope angles | Onsite |
| 40 | Naoto IWASA | Fujii Consulting & Associates | Japan | Technical term of Structure for slope protection | Onsite |
| 41 | Mitsuya ENOKIDA | Japan Conservation Engineers & Co., Ltd. | Japan | International differences in methods for calculating the deterrent effect of ground anchoring and soil nailing | Onsite |
| 42 | Shiho ASANO | Forestry and Forest Products Research Institute | Japan | Role of forestry conservation for landslide prevention | Onsite |
| 43 | Kiyoharu HIROTA | Kokusai Kogyo Co., Ltd. | Japan | Trial Vegetation Methods based on the Japanese Standard Cut Slope in Bhutan | Onsite |
| 44 | Daisuke HIGAKI | Nippon Koei, Co. Ltd. | Japan | Definition of several technical terms for landslide hazard mitigation | Onsite |
| Session 6.E5 Countermeasures conducted by the Japanese government against landslide disasters | | | | | |
| 45 | Masakazu NAGANO | Sabo Department, MLIT | Japan | Landslide disaster risk reduction strategy in Japan | Onsite |
| 46 | Masaru TOUHEI | Fuji Sabo Office, MLIT | Japan | An example of a landslide countermeasure project using CIM (Construction Information Modeling/ Management) | Onsite |
| 47 | Teruyoshi TAKAHARA | Shikoku Mountainous Region Sabo Office, MLIT | Japan | Planning and design of countermeasures for the active landslides in Aruse, block I-3 | Onsite |
| 48 | Yuki YAMANA | Forestry Conservation Division, Forestry | Japan | Efforts and results of mountain area conservation by Forestry conservancy projects | Onsite |

Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|----------------|---|----------------|---|--------------|
| | | Agency, MAFF | | | |
| 49 | Kojiro SHIRAKI | Forestry Conservation Division, Forestry Agency, MAFF | Japan | Examples of recent landslide countermeasures by conservancy projects | Onsite |
| 50 | Mayuko SHIDA | Rural Infrastructure Department, Rural Development Bureau, MAFF | Japan | Agriculture and landslides in Japan | Onsite |
| 51 | Tooru SATO | Rural Development Department, Kyusyu Regional Office, MAFF | Japan | National project for landslide prevention in the Takase area | Onsite |
| World Tsunami Awareness Day Special Event | | | | | |
| 1 | Jia-wen Zhou | Sichuan University | China | Numerical simulation of landslide-generated waves during the 11 October 2018 Baige landslide at the Jinsha River | |
| 2 | Finn Løvholt | NGI | Norway | Tsunami uncertainty due to landslide dynamics | Online |
| 3 | Uri ten Brink | USGS | USA | Using statistics to understand submarine landslide processes and hazard | Recorded |
| 4 | Do Minh Duc | Hanoi University of Science | Vietnam | Analysis and modeling of a landslide-induced tsunami-like wave across the Truong river in Quang Nam province, Vietnam | Onsite |
| 5 | Jan Blahůt | Czech Academy of Sciences, IRSM | Czech Republic | Tsunami from the San Andrés Landslide on El Hierro, Canary Islands: first attempt using simple scenario | Onsite |
| 6 | Ken Ikehara | Geological Survey of Japan, AIST | Japan | The link between upper-slope submarine landslides and mass transport deposits in the hadal | Online |
| 7 | Shinji Sassa | Port and Airport Research Institute | Japan | Session Coordinator: Review of Landslides-induced Tsunamis | Onsite |
| Special Lectures and Panel Discussion for World Tsunami Awareness Day Event | | | | | |
| 8 | Nicola Casagli | University of Florence | Italy | Monitoring and Early Warning of Landslides including Stromboli landslide induced tsunami | Onsite |
| 9 | Kyoji Sassa | International Consortium | Japan | Simulation of Tsunami waves induced by coastal | Onsite |

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Table 1 (continued)

| No | Speaker | Organization | Country/region | Title | Presentation |
|---|-------------------------------------|--|-------------------|---|--------------|
| | | on Landslides | | and submarine landslides in Japan | |
| 10 | Luciano Picarelli | Universita della Campania | Italy | The impact of climate change on landslide hazard and risk | |
| 11 | Kazuo Konagai & Asiri Karunawardena | ICL&NBRO | Japan & Sri Lanka | Early Warning of rain-induced rapid and long-travelling landslides in Sri Lanka | Onsite |
| 12 | Stephan Grilli | University of Rhode Island | USA | Tsunami generation by Volcanic flank collapse: Case study of Anak Krakatau | Onsite |
| 13 | David R Tappin | British Geological Survey | UK | The continuing underestimated tsunami hazard from submarine landslides | Online |
| 14 | Viacheslav Gusiakov | Institute of Computational Mathematics and Mathematical Geophysics | Russia | December 11, 2018 landslide and 90-m icy tsunami in the Buryea water reservoir | Onsite |
| 15 | Dwikorita Karnawati | Indonesian Meteorological climatological and Geophysic Agency | Indonesia | Innovation in Tsunami Early Warning System in Indonesia | Onsite |
| 16 | Toyohiko Miyagi | Tohoku-Gakuin University | Japan | Explanation of submarine landslides distributions around Japanese islands and stereo photo of submarine landslides on the floor | Onsite |
| Panel Discussion: Understanding and reducing disaster risk of landslide-induced Tsunami along with the Kyoto Landslide Commitment 2020 | | | | | |