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Landslides: Investigation and Mitigation - A. Keith Turner ...

LANDSLIDES: INVESTIGATION AND MITIGATION. This Special Report is a greatly expanded edition of a previous report on landslides (Special Report 176, "Landslides: Analysis and Control") published in 1978.

LANDSLIDES: INVESTIGATION AND MITIGATION

As the title implies it covers all aspects of landslides from investigation to mitigation as well as current terminology and some insightful case studies.This is a well written book with a good selection of diagrams to support and enhance the text. A must as a reference book for those working or studying in the field of Engineering Geology.

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describing the features of landslides relevant to their classification for avoidance, control, or remediation.

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Landslides: Investigation and Mitigation : Special Report 247 (SPECIAL REPORT (NATIONAL RESEARCH COUNCIL (U S) TRANSPORTATION RESEARCH BOARD)) at AbeBooks.co.uk - ISBN 10: 0309061512 - ISBN 13: 9780309061513 - Transportation Research Board - 1996 - Hardcover

9780309061513: Landslides: Investigation and Mitigation ...
Landslide mitigation refers to several man-made activities on slopes with the goal of lessening the effect of landslides.Landslides can be triggered by many, sometimes concomitant causes. In addition to shallow erosion or reduction of shear strength caused by seasonal rainfall, landslides may be triggered by anthropic activities, such as adding excessive weight above the slope, digging at mid ...

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As the title implies it covers all aspects of landslides from investigation to mitigation as well as current terminology and some insightful case studies.This is a well written book with a good selection of diagrams to support and enhance the text. A must as a reference book for those working or studying in the field of Engineering Geology.

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Additional Physical Format: Print version: Landslides. Washington, D.C. : National Academy Press, 1996 (DLC) 95040780 (OCoLC)33102185: Material Type:

Landslides : investigation and mitigation (eBook, 1996 ...
The information collected could be compared with summaries of other landslides (WP/WLI 1991) and used to guide additional investigations and mitigative measures.

(PDF) Landslide Types and Processes - ResearchGate
Cruden,D.M., Varnes, D.J., 1996, Landslide Types and Processes, Special Report , Transportation Research Board, National Academy of Sciences, 247:36-75

This Special Report is a greatly expanded edition of a previous report on landslides (Special Report 176, "Landslides: Analysis and Control") published in 1978. The new report, which has been designed with an even broader international scope, contains comprehensive, practical discussions of field investigations, laboratory testing, and stability analysis procedures and technologies; comprehensive references to the literature; and discussions of case studies, state-of-the-art techniques, and research directions. The report is presented in five sections: (1) Principles, Definitions, and Assessment; (2) Investigation; (3) Strength and Stability Analysis; (4) Mitigation; and (5) Special Cases and Materials.

The authoritative guide to landslide investigation, evaluation, and mitigation design Landslides in Practice combines clearly written descriptions and real-life case histories in an authoritative, practical guide to landslide investigation, evaluation, and mitigation design. It presents state-of-the-art investigative techniques and practical information on proven remediation techniques and technologies, including handy checklists for undertaking an initial field examination of a landslide. Landslides in Practice describes the technical tools needed to study landslides—site investigations, soil shear strength properties, and slope stability analyses—and details forty-five methods for stabilizing landslides or preventing instability in soils from occurring. Most remediation techniques are keyed to the ENR Construction Cost Index to help readers determine a rough estimate of the costs associated with the various techniques. To-the-point summaries explain presented techniques without confusing jargon, and dozens of succinct case histories integrated throughout the book serve as useful examples. In addition, twelve expanded case histories illustrate in depth many aspects of the landslide events and remediation strategies covered. Complete with hundreds of informative illustrations, Landslides in Practice is a valuable resource for engineers, geologists, consulting firms, and construction companies, as well as landscape architects, land developers, and trial lawyers in the construction industry.

This book is open access under a CC BY 4.0 license. This volume contains peer-reviewed papers from the Fourth World Landslide Forum organized by the International Consortium on Landslides (ICL), the Global Promotion Committee of the International Programme on Landslides (IPL), University of Ljubljana (UL) and Geological Survey of Slovenia in Ljubljana, Slovenia from May 29 to June 2, 2017. The complete collection of papers from the Forum is published in five full-color volumes. Thisfirst volume contains the following: • Three forum lectures • Background and Content of the Sendai Partnerships 2015–2025 • Contribution from the signatory organizations of the Sendai Partnerships • Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools (LIT T) • Progress of the World Report on Landslides (WRL) • International Programme on Landslides (IPL): Objects, History and List of WCoE/IPL projects • UNESCO-KU-ICL UNITIWIN Network supporting IPL • Landslides: Journal of International Consortium on Landslides • International Programme on Landslides (IPL): WCoEs and IPL Projects • Landslides and Society Prof. Kyoji Sassa is the Founding President of the International Consortium on

Landslides (ICL). He is Executive Director of ICL and the Editor-in-Chief of International Journal Landslides since its foundation in 2004. Prof. Matjaž Mikoš is the Forum Chair of the Fourth World Landslide Forum. He is the Vice President of International Consortium on Landslides and President of the Slovenian National Platform for Disaster Risk Reduction. Prof. Yueping Yin is the President of the International Consortium on Landslides and the Chairman of the Committee of Geo-Hazards Prevention of China, and the Chief Geologist of Geo-Hazard Emergency Technology, Ministry of Land and Resources, P.R. China. IPL (International Programme on Landslides) is a programme of the ICL. The programme is managed by the IPL Global Promotion Committee including ICL and ICL supporting organizations, UNESCO, WMO, FAO, UNISDR, UNU, ICSU, WFEO, IUGS and IUGG. The IPL contributes to the United Nations International Strategy for Disaster Reduction and the ISDR-ICL Sendai Partnerships 2015–2025.

This volume brings together, from a wide range of experience, such information as may be useful in recognizing, avoiding, controlling, designing for, and correcting movement. Current geologic concepts and engineering principles and techniques are introduced, and both the analysis and control of soil and rock-slopes are addressed. New methods of stability analysis and the use of computer techniques in implementing these methods are included. Rock slope engineering and the selecting of shear-strength parameters for slope-stability analyses are covered in separate chapters.

This book documents the First World Landslide Forum, which was jointly organized by the International Consortium on Landslides (ICL), eight UN organizations (UNESCO, WMO, FAO, UN/ISDR, UNU, UNEP, World Bank, UNDP) and four NGOs (International Council for Science, World Federation of Engineering Organizations, Kyoto Univ. and Japan Landslide Society) in Tokyo in 2008. The material consists of four parts: The Open Forum "Progress of IPL Activities; Four Thematic Lectures in the Plenary Symposium "Global Landslide Risk Reduction"; Six Keynote Lectures in the Plenary session; and the aims and overviews of eighteen parallel sessions (dealing with various aspects necessary for landslide disaster risk reduction such as: observations from space; climate change and slope instability; landslides threatening heritage sites; the economic and social impact of landslides; monitoring, prediction and early warning; and risk-management strategies in urban area, etc.) Thus it enables the reader to benefit from a wide range of research intended to reduce risk due to landslide disasters as presented in the first global multi-disciplinary meeting.

Assessment of risk and uncertainty is crucial for natural hazard risk management, facilitating risk communication and informing strategies to successfully mitigate our society's vulnerability to natural disasters. Written by some of the world's leading experts, this book provides a state-of-the-art overview of risk and uncertainty assessment in natural hazards. It presents the core statistical concepts using clearly defined terminology applicable across all types of natural hazards and addresses the full range of sources of uncertainty, the role of expert judgement and the practice of uncertainty elicitation. The core of the book provides detailed coverage of all the main hazard types and concluding chapters address the wider societal context of risk management. This is an invaluable compendium for academic researchers and professionals working in the fields of natural hazards science, risk assessment and management and environmental science and will be of interest to anyone involved in natural hazards policy.

With the increasing need to take an holistic view of landslide hazard and risk, this book overviews the concept of risk research and addresses the sociological and psychological issues resulting from landslides. Its integrated approach offers understanding and ability for concerned organisations, landowners, land managers, insurance companies and researchers to develop risk management solutions. Global case studies illustrate a variety of integrated approaches, and a concluding section provides specifications and contexts for the next generation of process models.

This book is one out of 8 IAEG XII Congress volumes, and deals with the theme of urban geology. Along with a rapidly growing world population, the wave of urban growth continues, causing cities to swell and new metropolitan centers to emerge. These global trends also open new ventures for underground city development. Engineering geology plays a major role in facing the increasing issues of the urban environment, such as: finding aggregates for construction works; providing adequate water supply and waste management; solving building problems associated to geological and geomorphological conditions; evaluating host rock conditions for underground constructions; preventing or mitigating geological and seismic hazards. Furthermore, this book illustrates recent advancements in sustainable land use planning, which includes conservation, protection, reclamation and landscape impact of open pit mining and alternative power generation. The Engineering Geology for Society and Territory volumes of the IAEG XII Congress held in Torino from September 15-19, 2014, analyze the dynamic role of engineering geology in our changing world and build on the four main themes of the congress: environment, processes, issues and approaches. The congress topics and subject areas of the 8 IAEG XII Congress volumes are: 1. Climate Change and Engineering Geology 2. Landslide Processes River Basins 3. Reservoir Sedimentation and Water Resources 4. Marine and Coastal Processes Urban Geology 5. Sustainable Planning and Landscape Exploitation 6. Applied Geology for Major Engineering Projects 7. Education, Professional Ethics and Public Recognition of Engineering Geology 8. Preservation of Cultural Heritage