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A national household survey of the
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*literacy skills of adults in the U.S.
Contents: literacy in the older adult
pop'n. (comparing older and younger
adults); literacy profiles for various
subgroups of the older adult pop'n.
(educ.; race/ethnicity; language use;
sex; visual impairment; region);
employment, civic participation, and*

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economic status as they relate to literacy in the older adult pop'n. (retirement; voting; volunteer activity; annual household income); literacy practices and proficiencies in the older adult pop'n. (library use; newspaper and magazine read.; TV viewing). This book gathers the proceedings of

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the 1st Global Civil Engineering Conference, GCEC 2017, held in Kuala Lumpur, Malaysia, on July 25–28, 2017. It highlights how state-of-the-art techniques and tools in various disciplines of Civil Engineering are being applied to solve real-world problems. The book presents

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*interdisciplinary research,
experimental and/or theoretical studies
yielding new insights that will advance
civil engineering methods. The scope
of the book spans the following areas:
Structural, Water Resources,
Geotechnical, Construction,
Transportation Engineering and*

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Geospatial Engineering applications. An accessible, clear, concise, and contemporary course in geotechnical engineering, this key text: strikes a balance between theory and practical applications for an introductory course in soil mechanics keeps mechanics to a minimum for the students to

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*appreciate the background,
assumptions and limitations of the
theories discusses implications of the
key ideas to provide students with an
understanding of the context for their
application gives a modern
explanation of soil behaviour is
presented particularly in soil*

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*settlement and soil strength offers
substantial on-line resources to
support teaching and learning
The Soils of Antarctica
Rock Blasting and Explosives
Engineering
Uncertainty Analysis in Engineering
and Sciences: Fuzzy Logic, Statistics,*

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and Neural Network Approach

the planning of a nation

Results from the National Adult

Literacy Survey

Commercial Vehicle Technology 2018

This book divides Antarctica
into eight ice-free regions and
provides information on the

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soils of each region. Soils have been studied in Antarctica for nearly 100 years. Although only 0.35% (45,000 km²) of Antarctica is ice-free, its weathered, unconsolidated material qualify as “soils”. Soils

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of Antarctica is richly illustrated with nearly 150 images and provisional maps are provided for several key ice-free areas.

Geotechnical Engineering:
Principles and Practices, 2/e, is

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ideal or junior-level soil mechanics or introductory geotechnical engineering courses. This introductory geotechnical engineering textbook explores both the principles of soil mechanics

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and their application to engineering practice. It offers a rigorous, yet accessible and easy-to-read approach, as well as technical depth and an emphasis on understanding the physical basis for soil behavior.

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The second edition has been revised to include updated content and many new problems and exercises, as well as to reflect feedback from reviewers and the authors' own experiences.

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This book presents a comprehensive selection of applications employed in environmental remote sensing using optical and thermal infrared satellite-sensors aiming to map natural

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resources, crops, groundwater, surface water, aquatic ecosystem, land degradation, air quality, renewable energy, regional resources, and climate-related geophysical processes. The technologies presented in

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this book also include satellite images, space-borne radar sensors focusing on the most versatile one, data from synthetic aperture radar (SAR), scatterometers and radar altimeters in Egypt. This

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volume also presents a thorough explanation of the remote sensing role showing physical fundamentals of the climate change phenomenon including gas emissions, and the impact on resources

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concerning the sustainable development of Egypt. Besides, the book includes an analysis of oil pollution in both Mediterranean and Red Seas This book is intended for environmental policymakers

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working in Egypt as well as
scientists working with remote
sensing technologies in highly
populated arid regions.

Theory and Practice
Hydrologic Time Series
Analysis

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Fundamentals of Ground
Improvement Engineering
Protecting Hidden Treasures of
Malaysia
Proceedings of the 1st Global
Civil Engineering Conference
Landslide Risk Assessment

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Invasive, alien plants are "uninvited guests" in most of Hawai'i's ecosystems. Native forests are invaded, and their precious native plant species are choked out. Extensive areas of pasture land have been

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colonized by plants that cannot be grazed. Weeds can be a fire hazard, and they can be painful impediments to access to natural areas. This book describes over 150 plants that are considered weeds under certain--if not, in

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some cases,
most--circumstances. The plant
types represented include trees,
shrubs, vines and sprawlers,
herbs, and grasses and their
relatives. Most of the weeds
covered are illustrated in color,

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both on the page where the weed is treated and on spreads of "thumbnail" images, grouped by growth habit category for convenience in quick identification. The text accompanying the photograph of

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each weed provides a detailed description, outlines its distribution and environmental impact in Hawai'i, and relates what is known about methods for managing it. Reprinted May 2021 with new cover.

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Written in a concise, easy-to-understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the

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science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are

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combined into one course. It is also a useful reference tool for civil engineering practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the

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Die Beiträge der Commercial Vehicle Technology 2018 sind eine Sammlung von Publikationen für das 5. CVT Symposium der TU Kaiserslautern. Wie in den

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Jahren zuvor, 2010, 2012, 2014 und 2016 wurden zahlreiche Beiträge zu aktuellen Entwicklungen im Nutzfahrzeugbereich zu einer interessanten und informativen Sammlung zusammengestellt.

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Die Beiträge sind für
Maschinenbauer,
Elektrotechniker und
Informatiker aus Industrie und
Wissenschaft von Interesse und
zeigen den aktuellen Stand der
Technik auf diesem Gebiet. Die

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Inhalte der Publikationen
umfassen die Themen
unterstütztes und
automatisiertes Fahren und
Arbeiten, Energie- und
Ressourceneffizienz, innovative
Entwicklung und Fertigung,

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Sicherheit, Zuverlässigkeit und Langlebigkeit sowie Systemsimulation. Die Konferenz findet vom 13. bis 15. März 2018 an der Technischen Universität Kaiserslautern statt und erwartet den Besuch vieler renommierter

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Wissenschaftler und Vertreter der Industrie. The proceedings of Commercial Vehicle Technology 2018 are a collection of publications for the 5th CVT Symposium at the University of Kaiserslautern. As in the

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previous years 2010, 2012, 2014 and 2016 numerous submissions focusing on current developments in the field of commercial vehicles have been composed into an interesting and informative collection. The

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contributions are of interest for mechanical engineers, electrical engineers and computer scientists working in industry and academia and show the current state-of-the-art in this field. The contents of the

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publications span the topics assisted and automated driving and working, energy and resource efficiency, innovative development and manufacturing, safety, reliability and durability as well as system simulation.

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The conference is held on March 13 to 15, 2018 at the Technische Universität Kaiserslautern and is expecting the attendance of many renowned scientists and representatives of industry. LEAME Software and User's

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Manual

The Main Tests

Introduction to Geotechnical
Engineering

Summary

GIS Landslide

Multilingual Thesaurus of

Read Online Cerun 1 Guidelines On Slope Maintenance In Malaysia Jkr Geosciences

There is a dearth of relevant books dealing with both theory and application of time series analysis techniques, particularly in the field of water resources engineering. Therefore, many hydrologists and

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hydrogeologists face difficulties in adopting time series analysis as one of the tools for their research. This book fills this gap by providing a proper blend of theoretical and practical aspects of time series analysis. It deals with a

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comprehensive overview of time series characteristics in hydrology/water resources engineering, various tools and techniques for analyzing time series data, theoretical details of 31 available statistical tests along with

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detailed procedures for applying them to real-world time series data, theory and methodology of stochastic modelling, and current status of time series analysis in hydrological sciences. In addition, it demonstrates the application of

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most time series tests through a case study as well as presents a comparative performance evaluation of various time series tests, together with four invited case studies from India and abroad. This book will not only serve as a

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textbook for the students and teachers in water resources engineering but will also serve as the most comprehensive reference to educate researchers/scientists about the theory and practice of time series analysis in hydrological

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sciences. This book will be very useful to the students, researchers, teachers and professionals involved in water resources, hydrology, ecology, climate change, earth science, and environmental studies. Over the past decade there has

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been a gradual shift away from simply relying on engineering solutions to individual landslide problems, to the use of a variety of strategies to manage the problems over a broad area. Such alternative strategies include the use of

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building codes, land use planning controls, preventing water leakage, early warning systems and insurance schemes. This book addresses these developments and provides a multidisciplinary perspective on landslide

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management.

*Landslides in
Malaysia Occurrences, Assessment,
Analyses, and
Remediation Advancing Culture of
Living with Landslides Volume 1
ISDR-ICL Sendai Partnerships*

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2015-2025Springer

*Proceedings of the 5th Commercial
Vehicle Technology Symposium -
CVT 2018*

*Fundamentals and Methods
Theoretical Foundations, Methods,
and Tools*

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*In Situ Testing in Geomechanics
Debris Flow
Malaysia*

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

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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

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in five full-color volumes. This first 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

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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

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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

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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

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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

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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-

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ICL Sendai Partnerships 2015 – 2025.

This book presents landslide studies using the geographic information system (GIS), which includes not only the science of GIS and remote sensing, but also technical innovations, such as detailed light detection and ranging profiles, among

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others. To date most of the research on landslides has been found in journals on topography, geology, geotechnology, landslides, and GIS, and is limited to specific scientific aspects. Although journal articles on GIS using landslide studies are abundant, there are very few books on this topic. This

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book is designed to fill that gap and show how the latest GIS technology can contribute in terms of landslide studies. In a related development, the GIS Landslide Workshop was established in Japan 7 years ago in order to communicate and solve the scientific as well as technical problems

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of GIS analyses, such as how to use GIS software and its functions. The workshop has significantly contributed to progress in the field. Included among the chapters of this book are GIS using susceptibility mapping, analyses of deep-seated and shallow landslides, measuring and

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visualization of landslide distribution in relation to topography, geological facies and structures, rivers, land use, and infrastructures such as roads and streets. Filled with photographs, figures, and tables, this book is of great value to researchers in the fields of geography, geology, seismology,

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environment, remote sensing, and atmospheric research, as well as to students in these fields.

Slope Stability Analysis by the Limit Equilibrium Method: Fundamentals and Methods presents basic principles for the safe design of constructed or natural earth slopes. The limit

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equilibrium method is the most common approach for analyzing slope stability in both two and three dimensions. This method identifies potential failure mechanisms and derives factors of safety for a particular geotechnical situation. It is an appropriate choice for assessing the

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stability of retaining walls shallow and deep foundations earth and rock dams surface mining sites and potential landslides. The fundamentals of slope stability encompass slope movements and methods for stability analysis mechanics of slope failure and factors of safety laboratory and field methods

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to determine the shear strength of soils estimation of phreatic surfaces and remedial measures for correcting slides. Methods of stability analysis cover simple formulas for determining the factor of safety for plane failures stability charts methods of slices for two-dimensional analysis three-

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dimensional analysis techniques and reliability of slope design. An appendix provides a preview of a companion product LEAME Software and User's Manual: Analyzing Slope Stability by the Limit Equilibrium Method a computer program for performing the slope stability analysis presented in

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this work (available from American Society of Civil Engineers). The clear presentation of the principles of slope stability analysis ensures that this work will be a frequently consulted reference for practicing engineers. The wealth of worked examples and problem sets make this a suitable

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textbook for senior and graduate students in soil mechanics and geotechnical engineering.

Principles and Practices

Construction Procedures and Design
Methods

Landslide Risk Management

Occurrences, Assessment, Analyses,

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and Remediation

Soil Mechanics Fundamentals

Select Proceedings of VCDRR 2021

Ground improvement has been one of the most dynamic and rapidly evolving areas of geotechnical engineering and construction over the past 40 years.

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The need to develop sites with marginal soils has made ground improvement an increasingly important core component of geotechnical engineering curricula. Fundamentals of Ground Improvement Engineering addresses the most effective and latest

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cutting-edge techniques for ground improvement. Key ground improvement methods are introduced that provide readers with a thorough understanding of the theory, design principles, and construction approaches that underpin each method. Major topics are

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compaction, permeation grouting, vibratory methods, soil mixing, stabilization and solidification, cutoff walls, dewatering, consolidation, geosynthetics, jet grouting, ground freezing, compaction grouting, and earth retention. The book is ideal for

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undergraduate and graduate-level university students, as well as practitioners seeking fundamental background in these techniques. The numerous problems, with worked examples, photographs, schematics, charts and graphs make it an excellent

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This is the 2nd edition of one of the most comprehensive accounts of debris flow, describing both theoretical and applied aspects. In the first part, the fundamental mechanical characteristics are discussed, including

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*flow characteristics, type classification, mechanics, occurrence and development, fully developed flow, and deposition processes. Th
This volume presents recent advances and developments taking place in geotechnical aspects of natural*

Read Online Cerun 1 Guidelines On Slope Maintenance In Malaysia Jkr *disaster mitigation and management.*

The chapters of this book are based on the invited lectures delivered by eminent researchers at the Third Indo-Japan Workshop on Geotechnics for Natural Disaster Mitigation and Management. This book will be a

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*useful reference for academicians,
researchers, practicing professionals
and, especially, students of the
geotechnical fraternity.*

*Volume 1 Sendai Landslide
Partnerships and Kyoto Landslide
Commitment*

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Conservation Geology
Slope Engineering
Weeds of Hawai'i's Pastures and
Natural Areas
Geotechnics for Natural Disaster
Mitigation and Management
A System Engineering Approach to

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Disaster Resilience

This book is a part of
ICL new book series "ICL
Contribution to
Landslide Disaster Risk
Reduction" founded in
2019. Peer-reviewed

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papers submitted to the Fifth World Landslide Forum were published in six volumes of this book series. This book contains the followings:

- Four Forum lectures

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- and one award paper •
Sendai Landslide
Partnerships, Kyoto
Landslide Commitment,
and International
Programme on Landslides.
- Landslide-induced

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tsunamis • Landslides at
UNESCO designates sites
and contribution from
WMO, FAO, and IRDR •
Education and Capacity
Development for Risk
Management and Risk

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Governance Prof. Kyoji Sassa is the Founding President and the Secretary-General of International Consortium on Landslides (ICL). He has been the Editor-in-

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Chief of International
Journal Landslides since
its foundation in 2004.
Prof. Matjaž Mikoš is
the Vice President of
International Consortium
on Landslides and Vice

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President of Slovenian
Academy of Engineering.
He is a Professor and
Dean of Faculty of Civil
and Geodetic
Engineering, University
of Ljubljana, Slovenia.

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Dr. Shinji Sassa is Head of Soil Dynamics Group and Research Director of International Research Center for Coastal Disasters, Port and Airport Research

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Institute, National
Institute of Maritime,
Port and Aviation
Technology, Japan. Prof.
Peter Bobrowsky is the
President of
International Consortium

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on Landslides. He is a Senior Scientist of Geological Survey of Canada, Ottawa, Canada. Prof. Kaoru Takara is the Executive Director of International

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Consortium on
Landslides. He is a
Professor and Dean of
Graduate School of
Advanced Integrated
Studies (GSAIS) in Human
Survivability (Shishu-

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Kan), Kyoto University.

Dr. Khang Dang is the Secretary General of the Fifth World Landslide Forum. He also serves as the Research Promotion Officer of ICL and a

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Lecturer at the
University of Science,
Vietnam National
University, Hanoi.
Economic Effects of
Natural Disasters
explores how natural

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disasters affect sources of economic growth and development. Using theoretical econometrics and real-world data, and drawing on advances in climate change

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economics, the book shows scholars and researchers how to use various research methods and techniques to investigate and respond to natural disasters. No

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other book presents empirical frameworks for the evaluation of the quality of macroeconomic research practice with a focus on climate change and natural disasters.

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Because many of these subjects are so large, different regions of the world use different approaches, hence this resource presents tailored economic

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applications and
evidence. Connects
economic theories and
empirical work in
climate change to
natural disaster
research Shows how

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advances in climate
change and natural
disaster research can be
implemented in micro-
and macroeconomic
simulation models
Addresses structural

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changes in countries
afflicted by climate
change and natural
disasters

Uncertainty has been of
concern to engineers,
managers and .

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scientists for many centuries. In management sciences there have existed definitions of uncertainty in a rather narrow sense since the beginning of this

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century. In engineering and uncertainty has for a long time been considered as in sciences, however, synonymous with random, stochastic, statistic,

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or probabilistic. Only since the early sixties views on uncertainty have become more heterogeneous and more tools to model uncertainty than

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statistics have been proposed by several scientists. The problem of modeling uncertainty adequately has become more important the more complex systems have

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become, the faster the scientific and engineering world develops, and the more important, but also more difficult, forecasting of future states of

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systems have become. The first question one should probably ask is whether uncertainty is a phenomenon, a feature of real world systems, a state of mind or a label

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for a situation in which a human being wants to make statements about phenomena, i. e. , reality, models, and theories, respectively. One can also ask

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whether uncertainty is an objective fact or just a subjective impression which is closely related to individual persons.

Whether uncertainty is

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an objective feature of physical real systems seems to be a philosophical question. This shall not be answered in this volume.

GCEC 2017

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Pesticides Act (no. 12
of 2000)

Analyzing Slope
Stability by the Limit
Equilibrium Method
Earthquake-Resistant

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Design of Masonry
Buildings

Advancing Culture of
Living with Landslides

***Demanding a thorough knowledge of
material behaviour and numerical
modelling, site characterisation and in***

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situ test interpretation are no longer just basic empirical recommendations. Giving a critical appraisal of the understanding and assessment of the stress-strain-time and strength characteristics of geomaterials, this book explores new interpretation

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methods for measuring properties of a variety of soil formations. Emphasis is given to the five most commonly encountered in situ test techniques: standard penetration tests cone penetration tests vane test pressuremeter tests dilatometer tests

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Ideal for practising engineers in the fields of geomechanics and environmental engineering, this book solves numerous common problems in site characterisation. It is also a valuable companion for students coming to the end of their engineering

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courses and looking to work in this sector.

Landslide Risk Management comprises the proceedings of the International Conference on Landslide Risk Management, held in Vancouver, Canada, from May 31 to June 3, 2005.

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The first part of the book contains state-of-the-art and invited lectures, prepared by teams of authors selected for their experience in specific topics assigned to them by the JTC-1 Committee. The second part is a selection of papers submitted to the

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conference, most of which serve as case-history illustrations of projects on landslide risk management. This reference work presents the current status of landslide risk management as viewed by experts from around the world.

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In the last few decades, a considerable amount of experimental and analytical research on the seismic behaviour of masonry walls and buildings has been carried out. The investigations resulted in the development of methods for seismic

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analysis and design, as well as new technologies and construction systems.

After many centuries of traditional use and decades of allowable stress design, clear concepts for limit state verification of masonry buildings under earthquake loading have

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recently been introduced in codes of practice. Although this book is not a review of the state-of-the-art of masonry structures in earthquake zones, an attempt has been made to balance the discussion on recent code requirements, state-of-the-art methods

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of earthquake-resistant design and the author's research work, in order to render the book useful for a broader application in design practice. An attempt has also been made to present, in a condensed but easy to understand way, all the information needed for

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earthquake-resistant design of masonry buildings constructed using traditional systems. The basic concepts of limit state verification are presented and equations for seismic resistance verification of masonry walls of all types of construction,

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(unreinforced, confined and reinforced) as well as masonry-infilled reinforced concrete frames, are addressed. A method for seismic resistance verification, compatible with recent code requirements, is also discussed. In all cases, experimental

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results are used to explain the proposed methods and equations. An important part of this book is dedicated to the discussion of the problems of repair, retrofit and rehabilitation of existing masonry buildings, including historical structures in urban centres.

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Methods of strengthening masonry walls as well as improving the structural integrity of existing buildings are described in detail. Wherever possible, experimental evidence regarding the effectiveness of the proposed strengthening methods

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*is given. Contents: Earthquakes and
Seismic Performance of Masonry
Buildings Masonry Materials and
Construction Systems Architectural and
Structural Concepts of Earthquake-
Resistant Building
Configuration Floors and Roofs Basic*

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*Concepts of Limit States Verification
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activities. Many of them are large and complex; they may involve many people, often from different backgrounds and increasingly with different languages and cultures. Amongst all of this, it is easy to get lost, to overlook important trends or to

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misunderstand each other. So projects fail. Graham Oakes' Project Reviews, Assurance and Governance is about learning from your mistakes and understanding what's really going on with your projects. In order for reviews and assurance

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to provide you with this information and learning, you need to perform them effectively and that is the purpose of this book. The core of the book is built around a number of models of project review processes and governance, all derived from

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practice and interspersed with case studies drawn from practitioners, project management literature and from practices in other industry. The result is the blend of the conceptual and the practical needed to make your project

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assurance process sympathetic, relevant and rigorous for your organization and the range of projects and programmes which you undertake.

The field of slope engineering encompasses slope stability analysis and design, movement

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monitoring, and slope safety management and maintenance. Engineers in this field are concerned with landslides and other gravity-stimulated mass movements. Their job is to frequently evaluate existing and proposed slopes to assess their

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stability. As such, this book provides information on remote sensing in landslide detection, tunnel face stability, stability analysis and maintenance of cut slopes, design techniques in rock and soil engineering, statistical models for landslide risk

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mapping, slope stability analysis in open-pit mines, ecological engineering for slope stabilization, and asphalt-stabilized strengthening in open-pit coal mining.

Rock Blasting and Explosives Engineering covers the practical

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engineering aspects of many different kinds of rock blasting. It includes a thorough analysis of the cost of the entire process of tunneling by drilling and blasting in comparison with full-face boring. Also covered are the fundamental sciences of rock

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mass and material strength, the thermal decomposition, burning, shock initiation, and detonation behavior of commercial and military explosives, and systems for charging explosives into drillholes. Functional descriptions of all current

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detonators and initiation systems are provided. The book includes chapters on flyrock, toxic fumes, the safety of explosives, and even explosives applied in metal working as a fine art.

Fundamental in its approach, the text is based on the practical

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industrial experience of its authors. It is supported by an abundance of tables, diagrams, and figures. This combined textbook and handbook provides students, practitioners, and researchers in mining, mechanical, building

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construction, geological, and petroleum engineering with a source from which to gain a thorough understanding of the constructive use of explosives. Slope Stability Analysis by the Limit Equilibrium Method Mechanics, Prediction and

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engineering innovations
for hazard mitigation,
and safe design of
structures. This book is
a comprehensive volume
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reduction (DRR) and its management for a sustainable built environment. This book will be useful for the students, researchers, policy makers and

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professionals working in the area of civil engineering, especially disaster management. With the increasing need to take an holistic view of landslide hazard and

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risk, this book
overviews the concept of
risk research and
addresses the
sociological and
psychological issues
resulting from

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landslides. Its
integrated approach
offers understanding and
ability for concerned
organisations,
landowners, land
managers, insurance

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companies and researchers to develop risk management solutions. Global case studies illustrate a variety of integrated approaches, and a

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concluding section
provides specifications
and contexts for the
next generation of
process models.

Landslide Hazard and
Risk

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