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Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions - Francesco Silvestri 2019-07-19
Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions contains invited, keynote and theme lectures and regular papers presented at the 7th International Conference on Earthquake Geotechnical Engineering (Rome, Italy, 17-20 June 2019. The contributions deal with recent developments and advancements as well as case histories, field monitoring, experimental characterization, physical and analytical modelling, and applications related to the variety of environmental phenomena induced by earthquakes in soils and their effects on engineered systems interacting with them. The book is divided in the sections below: Invited papers Keynote papers Theme lectures Special Session on Large Scale Testing Special Session on Liquefact Projects Special Session on Lessons learned from recent earthquakes Special Session on the Central Italy earthquake Regular papers Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions provides a significant up-to-date collection of recent experiences and developments, and aims at engineers, geologists and seismologists, consultants, public and private contractors, local national and international authorities, and to all those involved in research and practice related to Earthquake Geotechnical Engineering.
Journal - American Society of Civil Engineers. Soil Mechanics and Foundations Division 1969

Civil Engineering and Urban Planning IV - Yuan-Ming Liu 2016-10-28
Civil Engineering and Urban Planning IV includes the papers presented at the 4th International Conference on Civil Engineering and Urban Planning (CEUP 2015, Beijing, China, 25-27 July 2015). The contributions from experts and world-renowned scientists cover a wide variety of topics: - Civil engineering;- Architecture and urban planning; - Transpor
Geological Survey Bulletin - 1972

Transactions of the American Society of Civil Engineers - American Society of Civil Engineers 1976
Vols. 29-30 contain papers of the International Engineering Congress, Chicago, 1893; v. 54, pts. A-F, papers of the International Engineering Congress, St. Louis, 1904.
Construction and Urban Planning - Yong Huang 2013-03-11
The book cover current research results in Construction and Urban Planning and is divided into 18 chapters, including Geological and Geotechnical Engineering, Structural Engineering, Bridge Engineering, Tunnel, Subway and Underground Facilities, Road and

Railway Engineering, Seismic Engineering, Computational Mechanics, Traditional Construction Materials, Advanced Construction Materials, Energy-Efficient Technologies in Buildings, Architectural Design and Its Theory, Architectural Environment and Ecological Environmental Protection etc. This book will not only provide the readers a broad overview of the latest advances but also provide the researchers a valuable summary and reference in this field. Volume is indexed by Thomson Reuters CPCI-S (WoS).

Proceedings of China-Europe Conference on Geotechnical Engineering - Wei Wu 2018-08-02

This book compiles the second part of contributions to the China–Europe Conference on Geotechnical Engineering held 13.-16. August 2018 in Vienna, Austria. About 400 papers from 35 countries cover virtually all areas of geotechnical engineering and make this conference a truly international event. The contributions are grouped into thirteen special sessions and provide an overview of the geoengineering research and practice in China, Europe and the world: · Constitutive model · Micro-macro relationship · Numerical simulation · Laboratory testing · Geotechnical monitoring, instrumentation and field test · Foundation engineering · Underground construction · Environmental geotechnics · New geomaterials and ground improvement · Cold regions geotechnical engineering · Geohazards – risk assessment, mitigation and prevention · Unsaturated soils and energy geotechnics · Geotechnics in transportation, structural and hydraulic Engineering

Geometric Design, Roadside Safety Features, Roadside Hardware Monitoring, and Scenic Loop Tours - 1995

New Advances in Geology and Engineering Technology of Unconventional Oil and Gas - Yuwei Li 2022-09-21

Computational Plasticity - Mao-Hong Yu 2012-12-02

"Computational Plasticity with Emphasis on the Application of the Unified Strength Theory" explores a new and important branch of computational mechanics and is the third book in a plasticity series published by Springer. The other two are: Generalized Plasticity, Springer: Berlin, 2006; and Structural Plasticity, Springer and Zhejiang University Press: Hangzhou, 2009. This monograph describes the unified strength theory and associated flow rule, the implementation of these basic theories in computational programs, and shows how a series of results can be obtained by using them. The unified strength theory has been implemented in several special nonlinear finite-element programs and commercial Finite Element Codes by individual users and corporations. Many new and interesting findings for beams, plates, underground caves, excavations, strip foundations, circular foundations, slop, underground structures of hydraulic power stations, pumped-storage power stations, underground mining, high-velocity penetration of concrete structures, ancient structures, and rocket components, along with relevant computational results, are presented. This book is intended for graduate students, researchers and engineers working in solid mechanics, engineering and materials science. The theories and methods provided in this book can also be used for other computer codes and different structures. More results can be obtained, which put the potential strength of the material to better use, thus offering material-saving and energy-saving solutions. Mao-Hong Yu is a professor at the Department of Civil Engineering at Xi'an Jiaotong University, Xi'an, China.

Engineering News-record - 1951

Government Reports Announcements & Index - 1980-05

An Introductory Guide to EC Competition Law and Practice - Valentine Korah 1994

Fluid Flow in Fractured Porous Media - Yujing Jiang 2019-09-30

The fluid flow in fracture porous media plays a significant role in the assessment of deep underground reservoirs, such as through CO2 sequestration, enhanced oil recovery, and geothermal energy development. Many methods have been employed—from laboratory experimentation to theoretical analysis and numerical simulations—and allowed for many

useful conclusions. This Special Issue aims to report on the current advances related to this topic. This collection of 58 papers represents a wide variety of topics, including on granite permeability investigation, grouting, coal mining, roadway, and concrete, to name but a few. We sincerely hope that the papers published in this Special Issue will be an invaluable resource for our readers.
Applied Mechanics Reviews - 1989

Advances in Environmental Geotechnics - Yunmin Chen 2011-02-04
"Advances in Environmental Geotechnics" presents the latest developments in this interdisciplinary field. The topics covered include basic and advanced theories for modeling of geoenvironmental phenomena, testing and monitoring for geoenvironmental engineering, municipal solid wastes and landfill engineering, sludge and dredged soils, geotechnical reuse of industrial wastes, contaminated land and remediation technology, applications of geosynthetics in geoenvironmental engineering, geoenvironmental risk assessment, management and sustainability, ecological techniques and case histories. This proceedings includes papers authored by core members of ISSMGE TC5 (International Society of Soil Mechanics and Geotechnical Engineering---Environmental Geotechnics) and geoenvironmental researchers from more than 20 countries and regions. It is a valuable reference for geoenvironmental and geotechnical engineers as well as civil engineers. Yunmin Chen, Xiaowu Tang, and Liangtong Zhan are Professors at the Department of Civil Engineering of Zhejiang University, China.

Earthquake Design and Performance of Solid Waste Landfills - Mishac K. Yegian 1995

Geotechnical Abstracts - 1986

California. Court of Appeal (2nd Appellate District). Records and Briefs - California (State).

Publications of the Geological Survey - Geological Survey (U.S.) 1990

Deformation and Progressive Failure in Geomechanics - T. Adachi 1997-10-23
Progressive failure has been a classical problem in the field of geotechnical engineering and has attracted considerable attention in connection with slope stability and foundation problems. It is associated with strain localization or shear banding and is also related to damage in material structures. As knowledge of the progressive failure mechanism increases, it is now necessary to establish effective communications between researchers and engineers. The International Symposium on Deformation and Progressive Failure in Geomechanics provided an opportunity for discussing recent advances in this area. A total of 136 papers were contributed from 22 countries. As well as these, the symposium proceedings also contain 8 interim technical reports on the subject by the members of the Asian Technical Committee of the International Society for Soil Mechanics and Foundation Engineering and the Japanese Geotechnical Society National Committee on Progressive Failure in Geo-structures.
Rockburst - Xia-Ting Feng 2017-10-19
Rockburst: Mechanisms, Monitoring, Warning and Mitigation invites the most relevant researchers and practitioners worldwide to discuss the rock mechanics phenomenon related to increased stress and energy levels in intact rock introduced by drilling, explosion, blasting and other activities. When critical energy levels are reached, rockbursts can occur causing human and material losses in mining and tunneling environments. This book is the most comprehensive information source in English to cover rockbursts. Comprised of four main parts, the book covers in detail the theoretical concepts related to rockbursts, and introduces the current computational modeling techniques and laboratory tests available. The second part is devoted to case studies in mining (coal and metal) and tunneling environments worldwide. The third part covers the most recent advances in measurement and monitoring. Special focus is given to the interpretation of signals and reliability of systems. The following part addresses warning and risk mitigation through the proposition of a single risk assessment index and a comprehensive warning index to portray the stress status of the rock and a successful

case study. The final part of the book discusses mitigation including best practices for distressing and efficiently supporting rock. Designed to provide the most comprehensive coverage, the book will provide practicing mining and tunneling engineers the theoretical background needed to better cope with the phenomenon, practical advice from case studies and practical mitigation actions and techniques. Academics in rock mechanics will appreciate this complete reference to rockburst, which features how to analyze stress signals and use computational modeling more efficiently. Offers understanding of the fundamental theoretical concepts of rockbursts Explores how to analyze signals from current monitoring systems Shows how to apply mitigating techniques in current work Identifies characteristics that should be measured in order to detect rockburst risk

Journal of the Soil Mechanics and Foundations Division - American Society of Civil Engineers. Soil Mechanics and Foundations Division 1969

Earthquake Engineering and Soil Dynamics - 1978

Current Hydraulic Laboratory Research in the United States - 1933

Soil Mechanics Fact Finding Survey, Permeability Testing - Waterways Experiment Station (U.S.) 1941

Transactions of the Royal Institution of Naval Architects - Royal Institution of Naval Architects 1979

List of members in each volume.

Soil Survey of ... [various Counties, Etc.]. - 1963

Advances in Chemical Engineering: ICCMME 2011 - Yan Xuan Wen 2011-11-22

The objective of these proceedings is to encourage engineering professionals, academics and researchers to exchange views, results, ideas and experiences concerning chemical, materials and metallurgical engineering. The work is divided into the chapters: Chemical Engineering Measurement and Instrumentation, Transport Processes of Chemical Engineering, Chemical Separation Engineering, Industrial Catalysis, Chemical Systems Engineering, Inorganic and Organic Chemical Engineering, Biochemical Industry, Electrochemical Engineering, Green Chemical Processing Technology and Chemistry Science and Applied Chemistry. It constitutes a comprehensive guide to these subjects.

Publikasjon - Norges Geotekniske Institutt - 1978

Transportation Research Record - 1997

Petroleum Abstracts. Literature and Patents - 1985

Ormen Lange - A. Solheim 2005-07-29

Great effort has been undertaken to investigate potential geohazards in relation to the development of the Ormen Lange gas field offshore Mid-Norway. The field is located in the scar left after the giant, tsunami-generating Storegga Slide, which occurred roughly 8200 years ago, and the slide risk has consequently received particular focus. The studies have been multi-disciplinary in character, and have involved a number of companies, universities, and research institutions. The results of the project led to a significant advance in the understanding of the Storegga Slide in particular, and submarine slope instability in general, and played an important role in the approval of field development by Norwegian authorities. This book comprises 26 individual contributions representing the wide span of topics addressed in the project. The main scope is to provide a state-of-the-art report on geohazard investigations in a high latitude continental margin setting. Most of the data and results published in this book would not have reached beyond the confidential report stage unless the license partners of the Ormen Lange license had agreed that this information deserves a wider audience. Multidisciplinary and covers most themes treated in slope stability studies prior to the field development phase Provides a link between basic research and applied geohazard studies, with direct relevance for risk evaluation in relation to field development activities, such as pipeline design, drilling of wells, structure foundation etc. A state-of-the-art report on geohazard

investigations in a high latitude continental margin setting in relation to field development activities

Eurock 2006: Multiphysics Coupling and Long Term Behaviour in Rock Mechanics - Alain van Cotthem 2006-04-27

Special emphasis is given to the constitutive behaviour of rock material, including rock mechanics and partial saturation, chemo-mechanics, thermo-hydro-mechanics, weathering and creep. Theoretical concepts, laboratory and field experiments and numerical simulations are discussed. Multiphysics coupling and long-term behaviour has practical applications in a number of areas. In oil engineering (enhanced oil recovery, CO2 injection, and well stability); in underground waste storage, post-mine behaviour and the long-term behaviour of railway and road infrastructures. This book will be useful to professionals and academics working in a variety of fields related to rock mechanics and environmental geotechnics. .

Bibliography and Index of Geology - 1991

Industrial Arts Index - 1946

Engineering for Protection from Natural Disasters - Pisidhi Karasudhi 1980

Advanced Building Materials and Sustainable Architecture - Yong Bo Shao 2012-05-14

The present volumes comprise papers which will provide comprehensive information on the topics of Traditional Building Materials; Advanced Building Materials; Architectural Design, Architectural Art and its Theory; Building Technology and Science; Urban Planning and Design; Landscape Planning and Design; Construction Project Management; Architectural Environment and Equipment Engineering; Ecological Architecture; Engineering Management and Engineering Education; Monitoring and Control of Quality Engineering; Sustainable City and Regional Development. The work□s up-to-date and state-of-the art coverage of the worldwide state of these fields make it an invaluable resource.

Partnerships for Effective Technology Transfer - 1997

Proceedings of the 8th International Congress on Environmental Geotechnics Volume 3 - Liangtong Zhan 2018-10-10

This book gathers selected papers presented at the 8th International Congress on Environmental Geotechnics (ICEG), held on October 28 - November 1, 2018 in Hangzhou, China. The theme of the congress is “Towards a Sustainable Geoenvironment”, which means meeting the needs of the present generation without compromising the ability of future generations to meet their own needs. Under this theme, the congress covers a broad range of topics and provides an excellent opportunity for academics, engineers, scientists, government officials, regulators, and planners to present, discuss and exchange notes on the latest advances and developments in the research and application of environmental geotechnics.