

Engineering Geology Rock In Engineering Construction

Engineer Geologic Mapping is a guide to the principles, concepts, methods, and practices involved in geological mapping, as well as the applications of geology in engineering. The book covers related topics such as the definition of engineering geology; principles involved in geological mapping; methods on how to make engineering geological maps; and rock and soil description and classifications. Also covered in the book are topics such as the different kinds of engineering geological mapping; the zoning concept in engineering geological mapping; terrain evaluation; construction sites; and land and water management. The text is recommended for engineers and geologists who would like to be familiarized with the concepts and practices involved in geological mapping.

Bridges the Gap between Geology and Ground Engineering High-quality geological models are crucial for ground engineering projects, but many engineers are not always at ease with the geological terminology and analysis presented in these models, nor with their implications and limitations. Project engineers need to have a sound comprehension of the geological models presented to them, and to be able to discuss the models in so far as they might impinge on the design, safety and possible budgetary or time constraints of the project. They should also fully understand how site investigation data and samples are used to develop and substantiate geological models. Geology for Ground Engineering Projects provides a comprehensive presentation of, and insight into, the critical geological phenomena that may be encountered in many engineering projects, for example rock contact relationships, weathering and karst phenomena in tropical areas, composition of fault zones and variability of rock discontinuities. Examples are provided from around the world, including Southeast Asia, Europe, North and South America, China and India. Comprehensive and well-illustrated, this definitive book: Describes the important geological phenomena that could affect ground engineering projects Provides a practical knowledge-base for relevant geological processes Addresses common geological issues and concerns Rocks are described in relation to the environment of their formation, highlighting the variation in composition, distribution and geotechnical properties that

can be expected within a variety of rock associations. Case studies, where geology has been a vital factor, are included. These are written by the project engineers or geologists responsible for the projects. *Geology for Ground Engineering Projects* is well illustrated with color diagrams and photographs. Readers are directed to satellite images of selected areas to explore for themselves many of the geological features described in this book.

The two-volume set *Rock Mechanics and Rock Engineering* is concerned with the application of the principles of mechanics to physical, chemical and electro-magnetic processes in the upper-most layers of the earth and the design and construction of the rock structures associated with civil engineering and exploitation or extraction of natural resources in mining and petroleum engineering. Volume 2, *Applications of Rock Mechanics - Rock Engineering*, discusses the applications of rock mechanics to engineering structures in/on rock, rock excavation techniques and in-situ monitoring techniques, giving some specific examples. The dynamic aspects associated with the science of earthquakes and their effect on rock structures, and the characteristics of vibrations induced by machinery, blasting and impacts as well as measuring techniques are described. Furthermore, the degradation and maintenance processes in rock engineering are explained. *Rock Mechanics and Rock Engineering* is intended to be a fundamental resource for younger generations and newcomers and a reference book for experts specialized in *Rock Mechanics and Rock Engineering* and associated with the fields of mining, civil and petroleum engineering, engineering geology, and/or specialized in Geophysics and concerned with earthquake science and engineering.

This book offers a practical reference guide to soft rock mechanics for engineers and scientists. Written by recognized experts, it will benefit professionals, contractors, academics, researchers and students working on rock engineering projects in the fields of civil engineering, mining and construction engineering. *Soft Rock Mechanics and Engineering* covers a specific subject of great relevance in *Rock Mechanics* - and one that is directly connected to the design of geotechnical structures under difficult ground conditions. The book addresses practical issues related to the geomechanical properties

of these types of rock masses and their characterization, while also discussing advances regarding in situ investigation, safety, and monitoring of geotechnical structures in soft rocks. Lastly, it presents important case histories involving tunnelling, dam foundations, coal and open pit mines and landslides.

Geology Applied to Engineering bridges the gap between the two fields through its versatile application of the physical aspects of geology to engineering design and construction. The Second Edition elucidates real-world practices, concerns, and issues for today's engineering geologists and geotechnical engineers. Both undergraduate and graduate students will benefit from the book's thorough coverage, as will professionals involved in assessing sites for engineering projects, evaluating construction materials, developing water resources, and conducting tests using industry standards. West and Shakoor offer expanded coverage of important topics such as slope stability and ground subsidence and significant fields in engineering geology, such as highways, dams, tunnels, and rock blasting. In order to allow for the diverse backgrounds of geologists and engineers, material on the properties of minerals, rocks, and soil provides a working knowledge of applied geology as a springboard to more comprehensive subjects in engineering. Example problems throughout the text demonstrate the practical applications of soil mechanics, rock weathering and soils, structural geology, groundwater, and geophysics. Thought-provoking and challenging exercises supplement core concepts such as determining shear strength and failure conditions, calculating the depth needed for borings, reading and analyzing maps, and constructing stratigraphic cross sections. Steve Hencher presents a broad and fresh view on the importance of engineering geology to civil engineering projects. *Practical Engineering Geology* provides an introduction to the way that projects are managed, designed and constructed and the ways that the engineering geologist can contribute to cost-effective and safe project achievement. *The new Developments in Engineering Geology* is a showcase of the diversity in the science and practice of engineering geology. All branches of geology are applicable to solving engineering problems and this presents a wide frontier of scientific opportunity to engineering geology. In practice, diversity represents a different set of challenges with

the distinctive character of the profession derived from the crossover between the disciplines of geology and engineering. This book emphasizes the importance of understanding the geological science behind the engineering behaviour of a soil or rock. It also highlights a continuing expansion in the practice areas of engineering geology and illustrates how this is opening new frontiers to the profession thereby introducing new knowledge and technology across a range of applications. This is initiating an evolution in the way geology is modelled in engineering, geohazard and environmental studies in modern and traditional areas of engineering geology.

[Engineering Geology and Construction](#)

[A Geology for Engineers](#)

[Engineering Geology and Rock Engineering](#)

[Clay in Engineering Geology](#)

[Education and Training in Geo-Engineering Sciences](#)

[Rock Mechanics and Engineering](#)

[Vorträge des 30. Geomechanik-Kolloquiums der Österreichischen Gesellschaft für Geomechanik / Contributions to the 30th Geomechanical Colloquium of the Austrian Society for Geomechanics, Salzburg 7.-9. Oktober 1981](#)

[Foundations of Engineering Geology](#)

[Principles of Engineering Geology and Geotechnics](#)

The exploration and extraction of the earth's resources are key issues in global industrial development. In the 21st century, emphasis has increasingly been placed on geo-engineering safety, engineering accountability and sustainability. With focus on rock engineering projects, Structural Geology and Rock Engineering uses case studies and an integrated engineering approach to provide an understanding of projects constructed on or in rock masses. Based on Professors Cosgrove and Hudson's university teaching at Imperial College London, as well as relevant short course presentations, it explains the processes required for engineering modelling, design and construction. The first half of the book provides step-by-step presentations of the principles of structural geology and rock mechanics with special emphasis on the integration between the two subjects. The second half of the book turns principles into practice. A wealth of practical engineering examples are presented, including evaluations of bridge foundations, quarries, dams, opencast coal mining, underground rock engineering, historical monuments and stone buildings. This up-to-date, well-illustrated guide is ideal for teachers, researchers and engineers interested in the study and practice of rock-based projects in engineering.

In this second, enlarged edition the author continues to emphasise aspects of rock mechanics. Firm in his belief that there is no better way to study

the subject than by the detailed analysis of case histories, Dr Jaeger has incorporated a number of new ones.

Rock Mechanics and Engineering: Prediction and Control of Landslides and Geological Disasters presents the state-of-the-art in monitoring and forecasting geotechnical hazards during the survey and design, construction, and operation of a railway. This volume offers the latest research and practical knowledge on the regularity of disaster-causing activities, and the monitoring and forecasting of rockfalls, landslides, and debris flow induced by rainfall and human activity. The book gives guidance on how to optimize railway design, prevent and control measures during construction, and geological hazard remediation. The book also advises engineers on how to achieve traffic safety on high-speed railways. Eleven chapters present best practices in the prediction and control of landslides and rockfalls in geological disasters, derived from years of geotechnical engineering research and practice on high-speed railways in China. High-speed railways bring characteristic geotechnical challenges including a complete maintenance system, a long railway line, and the subjection of the geological body to cyclic loads. Since the damage to the geological body is influenced by fatigue as well as rock and soil strength and hydrology, the study of geotechnical hazards to high-speed rail is very complex. Monitoring and predicting such hazards on high-speed railways is a significant challenge to their safe construction and operation. Presents the latest technical achievement and development trends in landslide and rockfall forecasting Considers the challenges of high-speed railways to the prediction and control of geotechnical hazards Gives both in-situ and laboratory tests for rockfalls, and considers the collapse process of rock slopes Describes the principles of slope monitoring with specific reference to high-speed rail Details an automatic monitoring system for geotechnical hazards to high-speed rail

Engineering Geology attempts to provide an understanding of relations between the geology of a building site and the engineering structure. It presents examples taken from real-life experience and practice to provide evidence for the significance of engineering geology in planning, design, construction, and maintenance of engineering structures. The book begins with an introduction of geological investigations, distinguishing between the reconnaissance investigation, the detailed investigation, and investigation during construction. It then explains the significance of geological maps and sections; the mechanical behavior of rocks; subsurface investigation for engineering construction; and geophysical methods. The remaining chapters discuss the physical and chemical weathering of rocks; slope movements; and geological investigations for buildings, roads and railways, tunnels, and hydraulic structures. This book is intended particularly for civil engineering students and students of engineering geology in the university faculties of natural sciences. It describes geological features so as to be comprehensible to Technical College students and to explain construction problems intelligibly for geology students. The book will also be of assistance to planners, civil engineers, and graduate engineering geologists.

Every engineering structure, whether it's a building, bridge or road, is affected by the ground on which it is built. Geology is of fundamental importance when deciding on the location and design of all engineering works, and it is essential that engineers have a basic knowledge of the subject. Engineering Geology introduces the fundamentals of the discipline and ensures that engineers have a clear understanding of the processes at work, and how they will impact on what is to be built. Core areas such as stratigraphy, rock types, structures and geological processes are explained, and put in context. The basics of soil mechanics and the links between groundwater conditions and underlying geology are introduced. As well as the theoretical knowledge necessary, Professor Bell introduces the techniques that engineers will need to learn about and understand the geological conditions in which they intend to build. Site investigation techniques are detailed, and the risks and risk avoidance methods for dealing with different conditions are explained. * Accessible introduction to geology for engineers * Key points illustrated with diagrams and photographs * Teaches the impact of geology on the planning and design of structures

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Now in full colour, the third edition of this well established book provides a readable and highly illustrated overview of the aspects of geology that are most significant to civil engineers. Sections in the book include those devoted to the main rock types, weathering, ground investigation, rock mass strength, failures of old mines, subsidence on peats and clays, sinkholes on limestone and chalk, water in landslides, slope stabilization and understanding ground conditions. The roles of both natural and man-induced processes are assessed, and this understanding is developed into an appreciation of the geological environments potentially hazardous to civil engineering and construction projects. For each style of difficult ground, available techniques of site investigation and remediation are reviewed and evaluated. Each topic is presented as a double page spread with a careful mix of text and diagrams, with tabulated reference material on parameters such as bearing strength of soils and rocks. This new edition has been comprehensively updated and covers the entire spectrum of topics of interest for both students and practitioners in the field of civil engineering.

Environmental And Engineering Geology is a component of Encyclopedia of Environmental and Ecological Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Environmental and Engineering Geology with contributions from distinguished experts in the field discusses matters of great relevance to our world such as: engineering and environmental geology, and their importance in our life. It also includes a discussion of some new applications of geoscience, such as medical geology, forensic geology, use of underground space for human occupancy, and geoindicators. These four volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

[Geology for Ground Engineering Projects](#)

[Engineering Geology for Underground Rocks](#)

[Volume 2: Applications of Rock Mechanics - Rock Engineering](#)

[Geological Engineering](#)

[Practical Engineering Geology](#)

[Soft Rock Mechanics and Engineering](#)

[Soil Mechanics and Geotechnical Engineering, Engineering Geology, Rock Mechanics](#)

[Rock in Engineering Construction](#)

[Foundations of Engineering Geology, Third Edition](#)

Engineering geologists face the task of addressing geological factors that can affect planning with little time and with few resources. A solution is using the right tools to save time searching for answers and devote attention to making critical engineering decisions. The Handbook of Research on Trends and Digital Advances in Engineering Geology is an essential reference source for the latest research on new trends, technology, and computational methods that can model engineering phenomena automatically. Featuring exhaustive coverage on a broad range of topics and perspectives such as acoustic energy, landslide mapping, and natural hazards, this publication is ideally designed for academic scientists, industry and applied researchers, and policy and decision makers seeking current research on new tools to aid in timely decision-making of critical engineering situations.

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Professionals and students in any geology-related field will find this an essential reference. It clearly and systematically explains underground engineering geology principles, methods, theories and case studies. The authors lay out engineering problems in underground rock engineering and how to study and solve them. The book specially emphasizes mechanical and hydraulic couplings in rock engineering for wellbore stability, mining near aquifers and other underground structures where inflow is a problem. This seasoned textbook introduces geology for civil engineering students. It covers minerals and rocks, superficial deposits and the distribution of rocks at or below the surface. It then looks at groundwater and gives guidance on the exploration of a site before looking at the civil engineering implications of rocks and the main geological factors which affect typical engineering projects.

This book provides a comprehensive overview of this multi-disciplinary subject, which has interaction with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc.

Engineering Geology is a multidisciplinary subject which interacts with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc. Engineers require a deeper understanding, interpretation and analyses of earth sciences before suggesting engineering designs and remedial measures to combat natural disasters, such as earthquakes, volcanoes, landslides, debris flows, tsunamis, and floods. This book covers all aspects of Engineering Geology and is intended to serve as a reference for practicing civil engineers and mining engineers. Engineering Geology has also been designed as a textbook for students pursuing undergraduate and postgraduate courses in advanced/applied geology and earth sciences. A plethora of examples and case studies relevant to the Indian context have been included, for better understanding of the geological challenges faced by engineers.

A selection articles originally published in Geotechnique, 1948-2008.

An Ideal Source for Geologists and Others with Little Background in Engineering or Mechanics Practical Rock Mechanics provides an introduction for graduate students as well as a reference guide for practicing engineering geologists and geotechnical engineers. The book considers fundamental geological processes that give rise to the nature of rock masses and control their mechanical behavior. Stresses in the earth's crust are discussed and methods of measurement and prediction explained. Ways to investigate, describe, test, and characterize rocks in the laboratory and at project scale are reviewed. The application of rock mechanics principles to the design of engineering structures including tunnels, foundations, and slopes is addressed. The book is illustrated throughout with simple figures and photographs, and important concepts are illustrated by modern case examples. Mathematical equations are

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kept to the minimum necessary and are explained fully—the book leans towards practice rather than theory. This text: Addresses the principles of rock mechanics as it applies to both structural geology and engineering practice Demonstrates the importance of and methods of geological characterisation to rock engineering Examines the standard methods of rock mechanics testing and measurement as well as interpretation of data in practice Explains connections between main parameters both empirically as well as on the basis of scientific theory Provides examples of the practice of rock mechanics to major engineering projects Practical Rock Mechanics teaches from first principles and aids readers' understanding of the concepts of stress and stress transformation and the practical application of rock mechanics theory. This text can help ensure that ground models and designs are correct, realistic, and produced cost-effectively.

[Geology for Civil Engineers](#)

[60 Years of Géotechnique](#)

[Ingenieurgeologie und Geomechanik als Grundlagen des Felsbaues / Engineering Geology and Geomechanics as Fundamentals of Rock Engineering](#)

[Structural Geology and Rock Engineering](#)

[Engineering Geology](#)

[Stone](#)

[Engineering Geology and Rock Mechanics](#)

[Geology Applied to Engineering](#)

Fundamentals of Engineering Geology discusses geomorphological processes, particularly the linkages between geology, geo-technics, rock mechanics, soil mechanics, and foundation design. The book reviews igneous rocks, metamorphic rocks, sedimentary rocks, and stratigraphy. Stratigraphy is based on three fundamental principles, namely, the "Law of Superposition, the "Law of Faunal Succession

'Engineering geology' is one of those terms that invite definition. The American Geological Institute, for example, has expanded the term to mean 'the application of the geological sciences to engineering practice for the purpose of assuring that the geological factors affecting the location, design, construction, operation and maintenance of engineering works are recognized and adequately provided for'. It has also been defined by W. R. Judd in the McGraw-Hill Encyclopaedia of Science and Technology as 'the application of education and experience in geology and other geosciences to solve geological problems posed by civil engineering structures'. Judd goes on to specify those branches of the geological or geo-sciences as surface (or surficial) geology, structural/fabric geology, geohydrology, geophysics, soil and rock mechanics. Soil mechanics is firmly included as a geological science in spite of the perhaps

rather unfortunate trends over the years (now happily being reversed) towards purely mechanistic analyses which may well provide acceptable solutions for only the simplest geology. Many subjects evolve through their subject areas from an interdisciplinary background and it is just such instances that pose the greatest difficulties of definition. Since the form of educational development experienced by the practitioners of the subject ultimately bears quite strongly upon the corporate concept of the term 'engineering geology', it is useful briefly to consider that educational background.

Geology is the science of earth's crust (lithosphere) consisting of rocks and soils. While mining and mineralogical engineers are more interested in rocks, their petrology (formation) and mineralogy, civil engineers are equally interested in soils and rocks, in their formations, and also in their properties for civil engineering design and construction. This book is so written that the subject can easily be taught by a civil engineering faculty member specialised in soil mechanics. Dexterously organized into four parts, this book in Part I (Chapters 1 to 11) deals with the formation of rocks and soils. The classification of soils, lake deposits, coastal deposits, wind deposits along with marshes and bogs are described in Part II (Chapters 12 to 20). As the book advances, it deals with the civil engineering problems connected with soils and rocks such as landslides, rock slides, mudflow, earthquakes, tsunami and other natural phenomena in Part III (Chapters 21 to 24). Finally, in Part IV (Chapters 25 to 30), this text discusses the allied subjects like the origin and nature of cyclones, rock mass classification and soil formation. Designed to serve as a textbook for the undergraduate students of civil engineering, this book is equally useful for the practising civil engineers. **SALIENT FEATURES :** Displays plenty of figures to clarify the concepts Includes chapter-end review exercises to enhance the problem-solving skills of the students Summary at the end of each chapter brings into focus the essence of the chapter Appendices at the end of the text supply extra information on important topics

Engineering geology is an interdisciplinary subject concerned with the application of geological science to engineering practice, and it is therefore important for the engineering geologist to recognize the boundary between engineering application and purely scientific enquiry. Much research in applied clay science results from imperfectly understood engineering behaviour. Engineering geology is most closely allied to the geotechnical and materials areas of civil engineering. The scope of the present book is limited to the influence of clay but because clay is almost ubiquitous in earth materials the subject still remains broad. In soil and rock, clay is the smallest size fraction, but it is that very fact which often determines its major influences on engineering behaviour. In this book the author reviews the importance of clay in engineering geology and summarizes present knowledge in this field. The plan of the book has remained unchanged since the first edition was published in 1968 but the text, diagrams and reference lists have all been extensively updated. The first 5 chapters review the classification, origin, composition, fabric and physical

chemistry of clays. Behavioural aspects, covered in the following 4 chapters, include moisture interaction, strength and rheology, soil stabilization and the use of clays as materials. The final 3 chapters describe methods of analysis of clays and soils. Clay in Engineering Geology contains material drawn from a wide variety of sources and, together with its literature review and indexes, will provide much of value to geologists, mineralogists, civil and geotechnical engineers concerned with applied clay science.

In recent years the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), the International Association for Engineering Geology and Environment (IAEG), and the International Society for Rock Mechanics (ISRM) have concluded a Cooperation Agreement, leading to the foundation of the Federation of International Geo-engineering

This volume focuses on the engineering geological and environmental problems of major engineering works, rock and soil properties, and protection of the geoenvironment and reduction of geohazards, reflecting the major achievements and advancement of engineering geological science and technology.

No engineering structure can be built on the ground or within it without the influence of geology being experienced by the engineer. Yet geology is an ancillary subject to students of engineering and it is therefore essential that their training is supported by a concise, reliable and usable text on geology and its relationship to engineering. In this book all the fundamental aspects of geology are described and explained, but within the limits thought suitable for engineers. It describes the structure of the earth and the operation of its internal processes, together with the geological processes that shape the earth and produce its rocks and soils. It also details the commonly occurring types of rock and soil, and many types of geological structure and geological maps. Care has been taken to focus on the relationship between geology and geomechanics, so emphasis has been placed on the geological processes that bear directly upon the composition, structure and mechanics of soil and rocks, and on the movement of groundwater. The descriptions of geological processes and their products are used as the basis for explaining why it is important to investigate the ground, and to show how the investigations may be conducted at ground level and underground. Specific instruction is provided on the relationship between geology and many common activities undertaken when engineering in rock and soil.

[Developments in Engineering Geology](#)

[Second Edition](#)

[Engineering Geology \(For GTU\)](#)

[Building Stone, Rock Fill and Armourstone in Construction](#)

[Engineering Rock Mechanics](#)

[Part 2: Illustrative Worked Examples](#)

[Principles of Engineering Geology](#)

[Prediction and Control of Landslides and Geological Disasters](#)

[The Essence of Geotechnical Engineering](#)

Using an engineer's perspective, it offers a concrete account of the basic facts and experiences regarding the behavior of different rock types in engineering construction. Details geological exploration techniques, stressing drilling and logging core samples. Features a chapter on active faults in engineering projects including legal arguments about project sites. Illustrative case studies, ranging from the Auburn Dam controversy to international examples of single collapse problems, aid in students' awareness of rock mass propensities and structures.

Winner of the 2004 Claire P. Holdredge Award of the Association of Engineering Geologists (USA). The only book to concentrate on the relationship between geology and its implications for construction, this book covers the full scope of the subject from site investigation through to the complexities of reservoirs and dam sites. Features include international case studies throughout, and summaries of accepted practice, plus sections on waste disposal, and contaminated land.

A thorough knowledge of geology is essential in the design and construction of infrastructures for transport, buildings and mining operations; while an understanding of geology is also crucial for those working in urban, territorial and environmental planning and in the prevention and mitigation of geohazards. Geological Engineering provides an interpretation of the geological setting, integrating geological conditions into engineering design and construction, and provides engineering solutions that take into account both ground conditions and environment. This textbook, extensively illustrated with working examples and a wealth of graphics, covers the subject area of geological engineering in four sections: Fundamentals: soil mechanics, rock mechanics and hydrogeology Methods: site investigations, rock mass characterization and engineering geological mapping Applications: foundations, slope stability, tunnelling, dams and reservoirs and earth works Geohazards: landslides, other mass movements, earthquake hazards and prevention and mitigation of geological hazards As well as being a textbook for graduate and postgraduate students and academics, Geological Engineering serves as a basic reference for practicing engineering geologists and geological and geotechnical engineers, as well as civil and mining engineers dealing with design and construction of foundations, earth works and excavations for infrastructures, buildings, and mining operations.

Engineering Rock Mechanics Part II: Illustrative Worked Examples can be used as an independent book or alternatively it complements an earlier publication called Engineering Rock Mechanics: An Introduction to the Principles by the same authors. It contains illustrative worked examples of engineering rock mechanics in action as the subject applies to civil, mining, petroleum and environmental engineering. The book covers the necessary understanding and the key techniques supporting the rock engineering design of structural foundations, dams, rock slopes, wellbores, tunnels, caverns, hydroelectric schemes and mines. There is a question and worked answer presentation with the question and answer sets collated into twenty chapters which match the subject matter of the first book.

Steve Hencher presents a broad and fresh view on the importance of engineering geology to civil engineering projects. Practical Engineering Geology provides an introduction to the way that projects are managed, designed and constructed and the ways that the engineering geologist can contribute to cost-effective and safe project achievement. The need for a holistic view of geological materials,

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from soil to rock, and of geological history is emphasised. Chapters address key aspects of Geology for engineering and ground modelling Site investigation and testing of geological materials Geotechnical parameters Design of slopes, tunnels, foundations and other engineering structures Identifying hazards Avoiding unexpected ground conditions The book is illustrated throughout with case examples and should prove useful to practising engineering geologists and geotechnical engineers and to MSc level students of engineering geology and other geotechnical subjects.

[Rock Mechanics and Rock Engineering](#)

[Fundamentals of Engineering Geology](#)

[ENVIRONMENTAL AND ENGINEERING GEOLOGY -Volume III](#)

[Rock in Engineering Construction - Solutions Manual](#)

[ENGINEERING GEOLOGY FOR CIVIL ENGINEERS](#)

[Engineering Geological Mapping](#)

[Practical Rock Mechanics](#)

[Handbook of Research on Trends and Digital Advances in Engineering Geology](#)