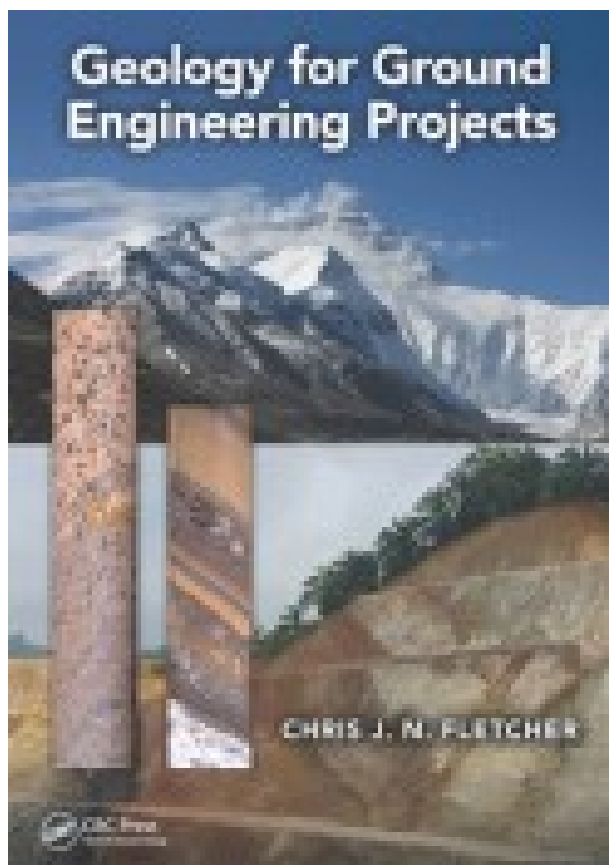


Geology for Ground Engineering Projects



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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.

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Projects in analogue/mixed-signal CMOS design. Turbulent Flows in Engineering (10 studiepoeng) 10: Petroleum Geology/Sedimentology. Lawrence Amy/Peter Talling (Institute of Petroleum Engineering. An important scope for the projects will be to develop. Reservekolonner PUBLISERBAR UiO: studretn. geofysikk; geomatikk; hydrologi; meteorologi og oseanografi; miljøgeologi og naturkatastrofer; naturgeografi. Emnekode Emne Universiteter Total; Totalt Totalt; TPG4162-1 : 3D visualisering av petroleumsdata : 1,4 : 1,4: TEP4160-1 : Aerodynamikk : 3,2 : 3,2: MUSV2019-1.