

Rock engineering



Arild Palmström and Håkan Stille

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Jicheng Xie

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Rock Engineering Arild Palmström, Håkan Stille, 2015 Rock Engineering provides a comprehensive explanation of the geological principles and ground investigations involved with the geotechnical design and engineering of underground projects It offers an internationally applicable practical guide for engineers and geologists responsible for considering different ground conditions design and planning for excavation and underground projects This informative and highly illustrated resource combines theoretical knowledge and practical examples of rock engineering with detailed case studies of tunnelling and hydropower projects Theories and realities of risks and uncertainties are discussed to provide an understanding of the considerations needed for successfully planning and executing underground projects This fully updated edition has added focus on rock engineering applications in design planning and excavation Special chapters have been added dealing with the practical use of the Eurocode in rock design the design principles of some special underground projects and three case histories The ambition is to better cover the complex engineering geological process in rock construction from ground investigation to execution Back cover Specification for Tunnelling British Tunnelling Society, UK,2023-12-13 The ebook edition of this title is Open Access and freely available to read online Specification for Tunnelling is a standard industry document for tunnelling contracts and forms the basis of tunnelling specifications for projects throughout the world Записки Михаил Васильевич Данилов, 1913 **Rock Engineering,** Arild Palmstrom, Hakan Stille, 2014-12-19 Rock Engineering is a valuable reference tool for geotechnical engineers geologists consultants contractors and advanced students on rock engineering and engineering geology courses **Rock Mechanics and Rock Engineering** Shotcrete for Underground Support X Dudley R. Morgan, Harvey W. Parker, 2006 This collection contains 31 .1983 papers presented at the Tenth International Conference on Shotcrete for Underground Support held in Whistler British Columbia September 12 16 2006 Shotcrete for Underground Support V John C. Sharp, Tomas Franzen, 1993 Consists of papers presented at the Engineering Foundation Conference held in Uppsala Sweden on June 3 7 1990 These papers are divided into sections concerned with the design of shotcrete linings wet mix shotcrete processes shotcrete additives fiber reinforced shotcrete and case histories Synopses from the Swedish Building Research Statens råd för byggnadsforskning (Sweden),1987 **Shotcrete for Underground Support** ,1993 Teoría unificada de estructuras y cimientos Javier Rui-Wamba, 2020-11-06 El contenido de este libro tiene la intenci n de facilitar al ingeniero los instrumentos y las gu as para concebir estructuras eficientes y realizar predimensionamientos fiables Y con tal finalidad se ha establecido el orden y el contenido de los cap tulos que lo configuran La obra ofrece al lector un tratamiento profundamente did ctico riguroso y exhaustivo que con vocaci n generalista abarca los grandes campos de la ingenier a estructural cosi ndolos con un hilo de transversalidad tan in dito como oportuno que enriquecer tanto a estudiantes como a ingenieros dedicados a proyectar estructuras as como en particular a los profesores que asumen la elevada misi n de dar a las nuevas generaciones

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Soft Soil Engineering Dave H. Chan, K. Tim Law, 2006-09-28 Soft soils present particular challenges to engineers and an understanding of the specific characteristics of these soils is indispensable Laboratory techniques such as numerical modelling theoretical analysis and constitutive modelling give new insights into soft soil material behaviour while large scale testing in the field provides important information in areas such as slope stability and soft soil improvements This collection of papers from the Fourth International Conference on Soft Soil Engineering Vancouver 2006 presents an international appraisal of current research and new advances in engineering practices illustrating the theory with relevant case studies Geotechnical professionals engineers academics and researchers working in the areas of soft ground engineering and soft Journal of the Geotechnical Engineering Division, 1978 soil engineering will find this a valuable book Rationale for Geologic Isolation of High-level Radioactive Waste, and Assessment of the Suitability of Crystalline Rocks Harry Wynn Transactions of the American Society of Civil Engineers American Society of Civil Engineers, 1978 Smedes,1980 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 Current Projects ,1981 Current Projects Statens naturvetenskapliga forskningsråd (Sweden),1982 Grouting, Soil Improvement, and Geosynthetics Roy H. Borden, Robert D. Holtz, Ilan Juran, 1992 This proceedings volume reviews the current state of the art design and practice of grouting techniques and materials soil improvement technologies geosynthetics engineering and ground modification for geo environmental applications Chapters include jet grouting compaction grouting ground treatment for tunnels remedial grouting for dams locks and liquefaction control and reinforcement of foundation soils Shotcrete for Underground Support VII, 1995 This collection contains 33 papers presented at the Seventh International Shotcrete for Underground Support Conference held in Telfs Austria June 11 15 1995

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