1. Record Nr. UNINA9910827885203321 Comprehensive rock engineering . Volume 5 Surface and underground **Titolo** case histories: principles, practice & projects // editor-in-chief, John A. Hudson Oxford, England:,: Pergamon Press,, 1993 Pubbl/distr/stampa ©1993 **ISBN** 1-4832-9798-5 Edizione [First edition.] 1 online resource (1004 p.) Descrizione fisica Disciplina 624.1/5132 624.15132 Soggetti Rock mechanics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Front Cover; Surface and Underground Case Histories; Copyright Page; Table of Contents; Preface; Contributors to Volume 5; Contents of All Volumes: Editor-in-Chief's Note: Chapter 1. The Expanding Role of Rock Engineering in Developing National and Local Infrastructures; 1.1 INTRODUCTION; 1.2 HISTORICAL PERSPECTIVE; 1.3 CLASSIFICATION OF UNDERGROUND USES; 1.4 BENEFITS AND DRAWBACKS OF UNDERGROUND FACILITIES: 1.5 CONTEMPORARY USES OF UNDERGROUND SPACE IN ROCK; 1.6 CONCLUSIONS AND FUTURE TRENDS; 1.7 REFERENCES; Chapter 2. Subsurface Space - An Important Dimension in Swedish Construction 2.1 INTRODUCTION2.2 ECONOMIC AND ENVIRONMENTAL ADVANTAGES; 2.3 GEOINVESTIGATIONS AND DESIGN; 2.4 HARD ROCK TUNNELING; 2.5 CONCLUDING REMARKS; 2.6 REFERENCES; Chapter 3. Recent Developments in Rock Engineering in Norway: Gas-tight Rock Caverns, Subsea Road Tunnels, Steel-fiber Reinforced Shotcrete; 3.1 INTRODUCTION; 3.2 AIR- AND GAS-TIGHT ROCK CAVERNS; 3.3 SUBSEA ROAD TUNNELS; 3.4 STEEL-FIBER REINFORCED SHOTCRETE; 3.5 REFERENCES; Chapter 4. Design of Large Power house Caverns in Weak

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