Geotechnical Core Logging

Engineering Rock Mass ClassificationsCores and Core Logging for GeologistsRock Mechanics for Natural Resources and Infrastructure Development - Full PapersTunnelling into a Sustainable Future – Methods and TechnologiesGeomechanics and Geodynamics of Rock Masses, Volume 1Geomechanics and Geodynamics of Rock MassesUnderground Mining MethodsCores and Core Logging for GeoscientistsRock Mechanics Design in Mining and TunnelingRock Mechanics Testing of the North Marcum Pre-subsidence CoreFourth International Symposium on Mine Mechanisation and AutomationGeotechnical Engineering Investigation ManualShort Course on Geotechnical Data Collection for Exploration GeologistsQuarterly Bulletin of the Canadian Mining InstituteAdvances in Rock EngineeringCIM BulletinFinal Report of Subsidence Investigations at the Rend Lake Site, Jefferson County, IllinoisProceedings of the International Topical Meeting on Nuclear and Hazardous Waste Management--Spectrum '94Engineering Geology of Waste DisposalFinal Report of Subsidence Investigations at the Galatia Site, Saline County, Illinois Z. T. Bieniawski Graham A. Blackbourn Sergio A.B. Fontoura Fredrik Johansson Vladimir Litvinenko Vladimir Litvinenko W. A. Hustrulid Graham A. Blackbourn Z. T. Bieniawski N. Kawamura Hal Gurgenci Roy E. Hunt Dennis C. Martin Canadian Institute of Mining, Metallurgy and Petroleum Z. T. Bieniawski Canadian Institute of Mining and Metallurgy American Nuclear Society Stephen P. Bentley

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Cores and Core Logging for Geoscientists Rock Mechanics Design in Mining and Tunneling Rock Mechanics Testing of the North Marcum Pre-subsidence Core Fourth International Symposium on Mine Mechanisation and Automation Geotechnical Engineering Investigation Manual Short Course on Geotechnical Data Collection for Exploration Geologists Quarterly Bulletin of the Canadian Mining Institute Advances in Rock Engineering CIM Bulletin Final Report of Subsidence Investigations at the Rend Lake Site, Jefferson County, Illinois Proceedings of the International Topical Meeting on Nuclear and Hazardous Waste Management--Spectrum '94 Engineering Geology of Waste Disposal Final Report of Subsidence Investigations at the Galatia Site, Saline County, Illinois *Z. T. Bieniawski Graham A. Blackbourn Sergio A.B. Fontoura Fredrik Johansson Vladimir Litvinenko Vladimir Litvinenko W. A. Hustrulid Graham A. Blackbourn Z. T. Bieniawski N. Kawamura Hal Gurgenci Roy E. Hunt Dennis C. Martin Canadian Institute of Mining, Metallurgy and Petroleum Z. T. Bieniawski Canadian Institute of Mining and Metallurgy American Nuclear Society Stephen P. Bentley*

this is the first authoritative reference on rock mass classification consolidating into one handy source information once widely scattered throughout the literature it includes new previously unpublished material and case histories presents the fundamental concepts of classification schemes and critically appraises their practical application in industrial projects such as tunneling and mining

this work provides a thorough account of coring methods and the interpretation of data gathered from core observation and analysis it covers all the necessary techniques for cutting and recovering cores wellsite handling and logging recognition of coring damage laboratory analysis logging and sampling and preservation and storage logging and interpretation are dealt with in detail emphasis is laid throughout on those features most important to the economic development of geological resources

rock mechanics for natural resources and infrastructure development contains the proceedings of the 14th isrm international

congress isrm 2019 foz do iguaçu brazil 13 19 september 2019 starting in 1966 in lisbon portugal the international society for rock mechanics and rock engineering isrm holds its congress every four years at this 14th occasion the congress brings together researchers professors engineers and students around contemporary themes relevant to rock mechanics and rock engineering rock mechanics for natural resources and infrastructure development contains 7 keynote lectures and 449 papers in ten chapters covering topics ranging from fundamental research in rock mechanics laboratory and experimental field studies and petroleum mining and civil engineering applications also included are the prestigious isrm award lectures the leopold muller award lecture by professor peter k kaiser and the manuel rocha award lecture by dr quinghua lei rock mechanics for natural resources and infrastructure development is a must read for academics engineers and students involved in rock mechanics and engineering proceedings in earth and geosciences volume 6 the proceedings in earth and geosciences series contains proceedings of peer reviewed international conferences dealing in earth and geosciences the main topics covered by the series include geotechnical engineering underground construction mining rock mechanics soil mechanics and hydrogeology

tunnelling into a sustainable future methods and technologies contains the contributions presented at the ita aites world tunnel congress 2025 stockholm sweden 9 15 may 2025 the contributions cover a wide range of topics in the fields of tunnelling and underground engineering including 1 innovating tunneling 2 safety underground 3 use of underground space 4 investigations and ground characterisation 5 planning and design of underground space 6 conventional tunnelling 7 mechanised tunnelling 8 complex geometries including shafts and ramps 9 grouting and groundwater control 10 instrumentation and monitoring 11 operation inspection and maintenance 12 contractual aspects financing and risk management 13 impact from climate change tunnelling into a sustainable future methods and technologies will serve as a valuable reference to all concerned with tunnelling and underground engineering including students researchers and engineers

this book is volume 1 of the eurock 2018 proceedings geomechanics and geodynamics of rock masses contains contributions

presented at eurock 2018 the 2018 international symposium of the international society for rock mechanics isrm 2018 saint petersburg russia 22 26 may 2018 dedicated to recent advances and achievements in the fields of geomechanics and geotechnology the main topics of the book include physical and mechanical properties of fractured rock laboratory testing and rock properties field measurements and site investigations geophysics in rock mechanics rock mass strength and failure nonlinear problems in rock mechanics effect of joint water on the behavior of rock foundation numerical modeling and back analysis mineral resources development methods and rock mechanics problems rock mechanics and underground construction in mining hydropower industry and civil engineering rock mechanics in petroleum engineering geodynamics and monitoring of rock mass behavior risks and hazards geomechanics of technogenic deposits geomechanics and geodynamics of rock masses will be of interest to researchers and professionals involved in the various branches of rock mechanics and rock engineering eurock 2018 organized by the saint petersburg mining university is a continuation of the successful series of isrm symposia in europe which began in 1992 in chester uk

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reflecting the highly international and diverse nature of the industry a series of mining case studies covers the commodity range from iron ore to diamonds as extracted by operations located in all corners of the world industry experts have contributed 77 chapters

this edition provides geoscientists with a thorough account of coring methods and the interpretation of data gathered from core observation and analysis

this book is based on papers presented to the 29th annual conference of the engineering group of the geological society which was held at the school of engineering university of wales cardiff between 6 and 9 september 1993 pref

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