

Rock Blasting And Explosives Engineering

Tech Engineering News 1920

Industrial Engineering and the Engineering Digest 1909

Rock Blasting and Explosives Engineering Per-Anders Persson 2018-05-04 Rock Blasting and Explosives Engineering covers the practical engineering aspects of many different kinds of rock blasting. It includes a thorough analysis of the cost of the entire process of tunneling by drilling and blasting in comparison with full-face boring. Also covered are the fundamental sciences of rock mass and material strength, the thermal decomposition, burning, shock initiation, and detonation behavior of commercial and military explosives, and systems for charging explosives into drillholes. Functional descriptions of all current detonators and initiation systems are provided. The book includes chapters on flyrock, toxic fumes, the safety of explosives, and even explosives applied in metal working as a fine art. Fundamental in its approach, the text is based on the practical industrial experience of its authors. It is supported by an abundance of tables, diagrams, and figures. This combined textbook and handbook provides students, practitioners, and researchers in mining, mechanical, building construction, geological, and petroleum engineering with a source from which to gain a thorough understanding of the constructive use of explosives.

Explosives Engineering, Construction Vibrations and Geotechnology Lewis L. Oriard 2002

Flyrock in Surface Mining Autar K. Raina 2023-07-24 This book provides a comprehensive understanding of historical and recent research, with a critical review of several aspects of the flyrock phenomenon, along with classification of pertinent literature. This puts flyrock into proper perspective and develops a comprehensive regime for flyrock prediction and control. It also addresses the blast danger zone demarcation based on scientific understanding in comparison to the consequence-based approach supported by pertinent case studies. Features: Discusses exclusive material on flyrock in surface mining Presents comprehensive and critical review of the flyrock phenomenon Reviews prediction and control mechanisms in vogue with scientific and risk-based definitions of blast danger zone Provides new insights into the flyrock definitions, prediction, and prevention along with the research approach to the problem Includes Indian case studies and summarize global data available in the published domain This book is aimed at researchers and graduate students in mining and civil engineering, engineering geology, and blasting.

Mine Health and Safety Management Michael Karmis 2001 This book focuses on instilling a safety culture and fostering the ability to recognize and manage health and safety responsibilities and requirements. It details effective and safety management systems and concentrates on safety and health hazard anticipation, identification, evaluation, and control.

The Engineering Digest Harwood Frost 1909 Each number includes section: The technical press index.

Advances in Aggregates and Armourstone Evaluation John-Paul Latham 1998 The maintenance and upgrading of our built environment, including large sections of coastal defences, relies heavily on natural construction materials. The text aims to highlight a range of pressing research issues in natural construction materials of direct relevance to an industry facing growing pressures for environmental sustainability and standardization of product quality within Europe. Tests and specifications given in the forthcoming Eurostandards for aggregates and armourstones are considered and correlated with older more widely used tests, including those which could impact upon current road safety. This text should be useful to: aggregate and amourstone suppliers and users; civil and engineering geologists; quarry companies; and Local and County Authority engineers and coastal engineers.

The Explosives Engineer Harry Roberts (Jr.) 1923

Iowa Engineer 1924

The Engineering Index John Butler Johnson 1896

EXPLO 95 Australasian Institute of Mining and Metallurgy 1995

Engineering Rock Blasting Operations S. Bhandari 1997-01-01 This work provides detailed information about materials needed for carrying out blasting operations such as explosives and related accessories, understanding of the process of fragmentation, various techniques, design methods, and applications including environmental aspects.

The Engineering Index 1896

Advanced Technology in Exploration and Exploitation of Minerals 2nd MEAI 2014-01-01

Rock Fragmentation by Blasting Jose A. Sanchidrian 2009-08-20 This volume contains the papers presented at the 9th International Symposium on Rock Fragmentation by Blasting, held in Granada, Spain, 13-17 August 2009. A state-of-the-art collection of articles on developments in rock blasting and explosives engineering, with contributions on rock characterization, explosives and initiation systems, blast design and monitoring, fragmentation assessment, numerical modeling, vibrations from blasting, environmental and economical aspects of rock blasting, and more. Containing unique knowledge, case studies, ideas and insights, this volume is must-have literature for researchers and practitioners in the field of explosives and blasting.

Explosives and Blasting Technique R. Holmberg 2000-01-01 This work covers such topics as: EU directives and harmonization work; health, safety and environment; recent technical development - products and processes; shot hole development; and management of blasting operations.

The Engineering Digest 1909

Rock Fragmentation by Blasting Jose A. Sanchidrian 2009-08-20 This volume contains the papers presented at the 9th International Symposium on Rock Fragmentation by Blasting, held in Granada, Spain, 13-17 August 2009. A state-of-the-art collection of articles on developments in rock blasting and explosives engineering, with contributions on rock characterization, explosives and initiation systems, blast design and monitoring, fragmentation assessment, numerical modeling, vibrations from blasting, environmental and economical aspects of rock blasting, and more. Containing unique knowledge, case studies, ideas and insights, this volume is must-have literature for researchers and practitioners in the field of explosives and blasting.

Tunnels and Underground Structures: Proceedings Tunnels & Underground Structures, Singapore 2000

Rahan Krishnan 2017-10-02 This text describes topics discussed at the conference, including: tunnelling and construction in soft ground and rocks; geological investigations; tunnelling machines; planning for underground infrastructure; safety issues and environmental and social aspects of underground development.

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