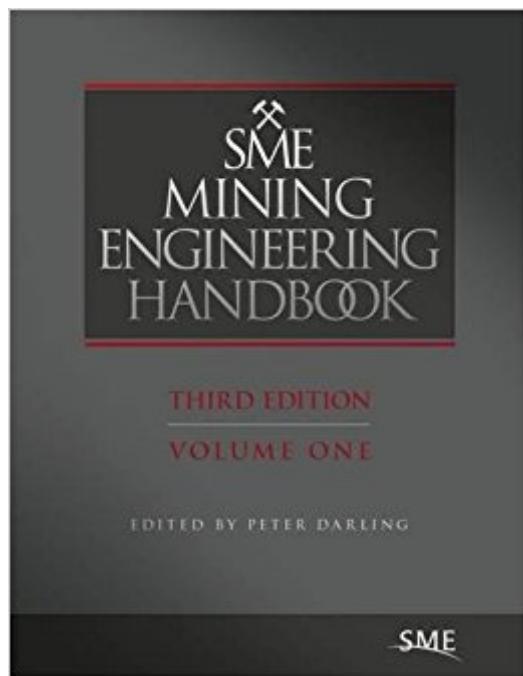


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SME Mining Engineering Handbook, Third Edition, Volumes 1 & 2



Synopsis

This third edition of the SME Mining Engineering Handbook reaffirms its international reputation as the handbook of choice for today's practicing mining engineer. It distills the body of knowledge that characterizes mining engineering as a disciplinary field and has subsequently helped to inspire and inform generations of mining professionals. Virtually all of the information is original content, representing the latest information from more than 250 internationally recognized mining industry experts. Within the handbook's 115 thought-provoking chapters are current topics relevant to today's mining professional: Analyzing how the mining and minerals industry will develop over the medium and long term; why such changes are inevitable, what this will mean in terms of challenges, and how they could be managed; Explaining the mechanics associated with the multifaceted world of mine and mineral economics, from the decisions associated with how best to finance a single piece of high-value equipment to the long-term cash-flow issues associated with mine planning at a mature operation; Describing the recent and ongoing technical initiatives and engineering developments in relation to robotics, automation, acid rock drainage, block caving optimization, or process dewatering methods; Examining in detail the methods and equipment available to achieve efficient, predictable, and safe rock breaking; Identifying the salient points that dictate which is the safest, most efficient, and most versatile extraction method to employ, as well as describing in detail how each alternative is engineered; Discussing the impacts that social and environmental issues have on mining from the pre-exploration phase to end-of-mine issues and beyond, and how to manage these two increasingly important factors to the benefit of both the mining companies and other stakeholders.

Book Information

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Customer Reviews

This comprehensive reference work distills the entire body of knowledge that characterizes mining engineering as a disciplinary field. While it may serve as a textbook for advanced students, its primary function is to provide professional practitioners with an authoritative reference and design source. The book also serves mining nonprofessionals who seek technical knowledge of the industry. The handbook devotes attention to all branches of mining--metal, coal, and nonmetal--and to all locates of mining--surface, underground, and hybrid. Although the main emphasis is US mining, numerous references are made to international practice. --Publisher CommentsPractical rather than theoretical, international in approach and examples, expansive in scope yet not encyclopedic -- this reference continues the legacy of its predecessors as the handbook of choice among mining engineers. The original reference was published in 1918, by John Wiley & Sons, which, after a couple of editions, ceded publication to the Society for Mining, Metallurgy, and Exploration. First and second editions were published by SME in 1973 and 1992. This third edition occupies two volumes and covers market economics, exploration, deposit assessment, mining method selection, ground mechanics, surface extraction, underground development, and health and safety, among other topics; concluding chapters cover (for the first time) social and environmental issues, including how to mitigate and manage negative impact. UK-based editor Peter Darling has had a 30-year career first as a mining engineer and then as a technical writer specializing in mining issues. (Annotation ©2011 Book News Inc. Portland, OR) --Book News Inc. Portland, OR

These two volumes puts the entire mining engineering discipline together in a comprehensive manner. Numerous mine managers and mining engineers have said that this is the best literature on mining engineering they have encountered. And it seems to be globally acknowledged as THE seminal source on a mining engineering overview. But be warned: it is not light reading for just anyone, the technical details get quickly too much for anyone not intimately involved in the mining environment. It gives comprehensive information about the business of mining, and even about the operations of mining, but perhaps not enough (to my liking) about the technology of mining. That being said, the work is a mighty one. The contributing authors and reviewers are exhaustive; the pages smack of expertise in the subjects; and the consistency of the writing style is remarkable (a

feather in the cap for Darling). These two volumes are certainly worth their price for anyone in the mining environment. I find myself opening them regularly to check or benchmark what we are busy with... if I can pry it away from my mining engineer colleagues. Highly recommended.

Detailed oriented. Gives one a thorough knowledge about the topic.

The definitive book on mining engineering and big improvement on the 2nd edition. A must for any mining practitioner.

Very useful for engineers working in mining industry, covers many conceptual and practical problems. Came in with very good condition, highly recommended.

Both volumes arrived damaged. Packaging was highly inadequate. Very disappointed in the books' condition considering the price paid. I would expect packaging able to resist the conditions of shipping. SME Mining Engineering Handbook is THE reference for mining engineers. At home in any offices dealing with the mining industry.

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