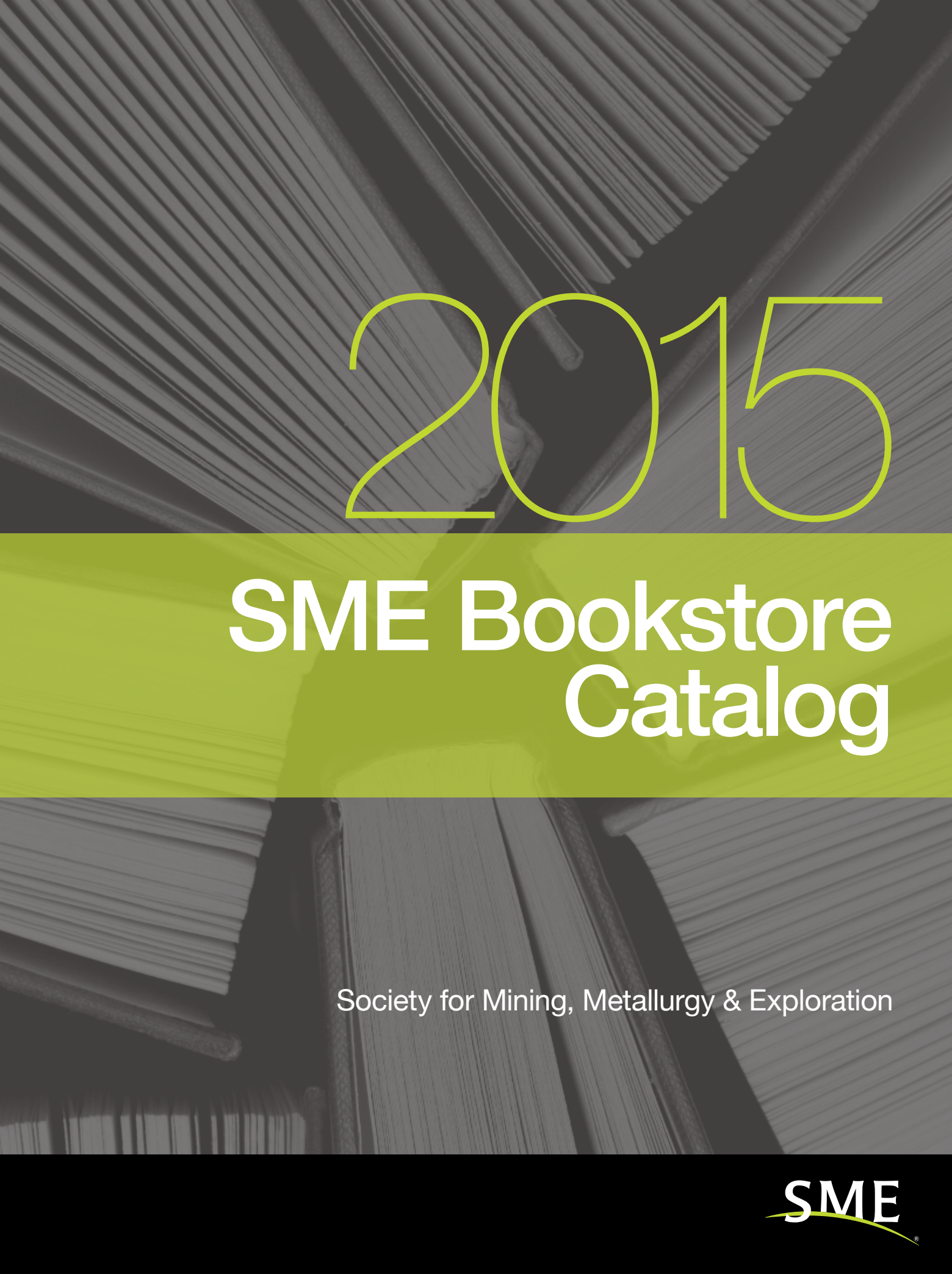

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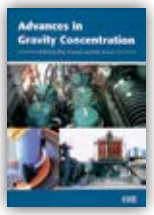

Edited by R.Q. Honaker and W.R. Forrest

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By Robert S. Shoemaker

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By Robert S. Shoemaker, Translation by Mario E. Watkins

This is the Spanish version of the popular SME book, *The Circulating Load: Practical Mineral Processing Plant Design by an Old-Time Ore Dresser*

Esta guia es un compendio de ideas innovativas y soluciones practicas a algunos de los problemas que comunmente enfrentan los disenadores y los operadores de plantas de concentracion de minerales. Desde el diseno de pisos faciles de mantener limpios y seguros para transitar a inventivos detalles para diseno de sistemas de trituracion, transporte, y tecnicas que facilitan el control de operaciones, esta referencia incluye practico enfoques a viejos problemas que pueden inhibir el buen rendimiento de una plant de concentracion.

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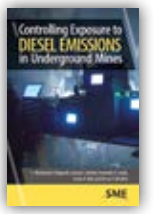

By Aleksandar D. Bugarski, Samuel J. Janisko, Emanuele G. Cauda, James D. Noll, and Steven E. Mischler

The use of diesel-powered equipment in underground mining operations provides many benefits to the industry. It also presents many challenges to the health and safety of workers, as it is a significant source of submicrometer aerosols and noxious gases.

This book was developed to assist the coal and metal/nonmetal underground mining industries in their efforts to reduce the exposure of workers to aerosols and gases from diesel-powered equipment. It includes information collected by researchers at the National Institute for Occupational Safety and Health/Office of Mine Safety and Health Research (NIOSH/OMSHR).

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Edited by Gerald V. Jergensen II

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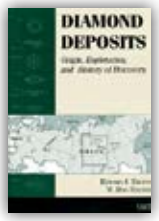

By Edward I. Erlich and W. Dan Hausel

The material found in *Diamond Deposits* provides a foundation for discussing some of the most fundamental problems of theoretical geology, such as the timing of geological events and the development of cratonic areas. Written for geologists and diamond prospectors, this book provides a general overview of diamond exploration and exploitation. The text covers how to find, recognize, and evaluate the potential of diamond deposits. The book offers examples of these processes by reviewing the history of important diamond discoveries in the western United States and Russia. *Diamond Deposits* primarily focuses on the geology of common diamond host rocks, including kimberlite and lamproite. It also reviews the occurrence of some unconventional host rocks that have produced notable diamond discoveries.

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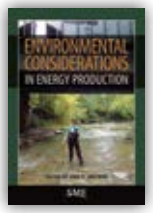

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Environmental Considerations in Energy Production contains submissions by energy professionals from around the world who discuss a wide range of topics on energy production, including coal mining, oil and gas production, and electrical power generation, as well as the impacts on society and the environment. The papers present existing and emerging issues, best practices and techniques, and appropriate and innovative solutions to meet the present and future challenges of energy production. These proceedings contain complete papers and abstracts for presentations where a full paper was not warranted. The abstracts are included as a resource to readers who may be interested in contacting those presenters.

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By Paul D. Tomlingson

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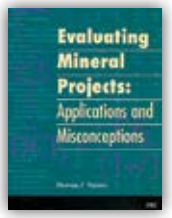

By Thomas F. Torries

Designed to complement traditional engineering texts, this book emphasizes mineral project evaluation concepts rather than computational details. *Evaluating Mineral Projects* describes the various economic evaluation techniques employed (including conventional cost analysis, discounted cash flow, and option analysis), their uses, and their relationships with geological, technological, and financial assessments. Torries also discusses the strengths and weaknesses of commonly practiced evaluation methods. This book explains the practical difficulties with conducting an analysis and correctly interpreting the results, as well as alternative techniques.

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Edited by Jürgen Brune

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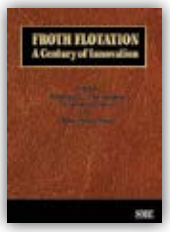

Edited by Maurice C. Fuerstenau, Graeme Jameson, and Roe-Hoan Yoon

This thorough volume describes state-of-the-art research and practice in mineral froth flotation as known and practiced a century after its introduction. Recognized experts provide in-depth coverage on the historical aspects of flotation; flotation fundamentals; flotation chemistry; flotation cells, modeling, and simulation; and flotation plant practice.

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Edited by Jon J. Kellar

Mineral additives are widespread in industrial manufacturing processes. Mineral fillers are used to extend raw materials and cut costs. Minerals and associated inorganics have been increasingly used for their functionality and other mineral-specific qualities. Likewise, the emergence of nanoscale minerals parallels the global pursuit of nanotechnology. These minerals play an important role in the low-cost, high-performance application of nanotechnology.

Functional Fillers and Nanoscale Minerals is intended for mineral suppliers, industrial users of mineral fillers, and those concerned with new trends in mineral processing and nanotechnology. Contributions by leading international researchers highlight the emerging markets and applications of functional fillers and nanoscale minerals.

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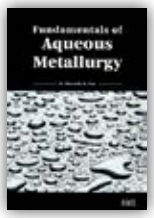
Fundamentals of Aqueous Metallurgy



By Kenneth N. Han

Intended for college and graduate-level instruction, this book presents the fundamentals of aqueous metallurgy and its applications in mineral processing operations. The text presents the physicochemical principles of various water-based processes, including interfacial phenomena, hydrometallurgy, and metallurgical kinetics.

A valuable reference for those studying mineral processing, resource recovery, and the corrosion of metals and alloys, *Fundamentals of Aqueous Metallurgy* also serves environmental and chemical engineers, chemists, and mineral processing engineers responsible for mineral processing plant design and operations. To enhance learning and provide practical experience, each chapter closes with a series of homework problems based on the concepts presented. Solutions to the problems, including full explanations, are provided in the back of the book.

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By Roger Marjoribanks

This practical step-by-step guide describes the key geological field techniques needed by today's exploration geologists involved in the search for metallic deposits. The techniques described are fundamental to the collection, storage, and presentation of geological data and their use to locate ore.

Geological Methods in Mineral Exploration and Mining explains the various tasks that the exploration geologist is asked to perform in the sequence in which they might be employed in an actual exploration project. Hints and tips are given. The steps are illustrated with numerous examples drawn from real projects. The book emphasizes traditional skills and shows how they can be combined effectively with modern technological approaches.

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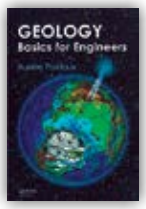

By Aureule Parriaux

Geology: Basics for Engineers examines Earth's physical and chemical characteristics, the nature and the properties of rocks and unconsolidated deposits/sediments, the action of water, and how the earth is transformed by various phenomena at different scales of time and space. The book shows the engineer how to take geological conditions into account in projects and how to intelligently exploit a wide range of natural resources, reduce geological hazards, and manage subsurface pollution.

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Pressure grouting encompasses a wide variety of applications and operations, including dam foundation grouting, soil stabilization and permeation, consolidation and compaction grouting (except low mobility), water cutoff and structural stabilization in rock tunnels, deep foundations via drilled piers, underwater concrete, structural concrete repairs, raising of settled slabs and structures, rock and soil anchors, and machine foundations and bases. The applications for pressure grouting operations are almost limitless, as the equipment can be employed anywhere fluid grout can be used.

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Guidelines for Open Pit Slope Design is a comprehensive, four-color account of the open pit slope design process. Created as an outcome of the Large Open Pit Project—an international research and technology transfer project on the stability of rock slopes in open pit mines—this compendium presents guidelines for required slope design processes and the tools available to slope design practitioners.

This book links innovative mining geomechanics research on the strength of closely jointed rock masses to the most recent advances in numerical modeling, creating more effective ways for predicting rock slope reliability in open pit mines. It identifies the key elements of slope design, the required levels of effort, and the acceptance criteria needed to adhere to best practices in pit slope investigation, design, implementation, and performance monitoring.

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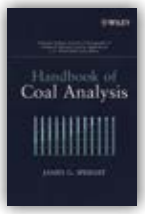

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Handbook of Coal Analysis provides readers with everything they need to know about testing and analyzing coal. It explains the meaning of test results, and how these results can predict coal behavior and its corresponding environmental impact during use. The thorough coverage of coal analysis includes detailed information on necessary standard tests and procedures; explanation of coal behavior relative to its use alongside the corresponding environmental issues; and coverage of nomenclature, terminology, sampling, accuracy, and precision of analysis.

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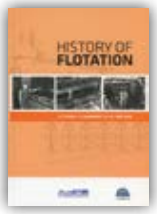

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When the improbable process of flotation transformed the nonferrous mining industry—100 years ago, no one could have predicted that floating highly specific gravity particles on water would become one of the world's greatest technologies.

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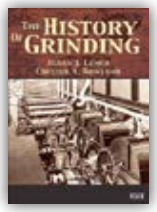

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An in-depth examination of the oldest engineering process, *The History of Grinding* begins at the start of agriculture and outlines the development of size reduction, without overwhelming the reader with technical details.

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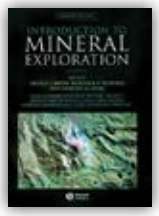

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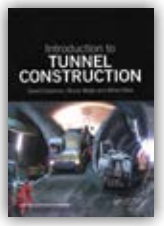

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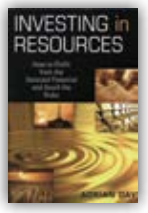

By Adrian Day

Where should investors put their money? Stocks are projected to be sluggish for a decade. And thanks to low interest rates and the likelihood of a long cycle of rate increases, bonds are hardly an attractive option. For the astute investor with a long-term view, the answer is commodities. In fact, there has never been a better time to invest in the resources market. And there has never been a better book than *Investing in Resources: How to Profit from the Outsized Potential and Avoid the Risks* to help you grasp the risk and reap the benefits of this incredible investment opportunity.

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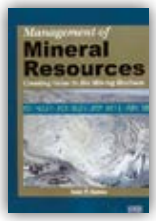

By Juan P. Camus

The mining industry's strategy for coping with low profitability has primarily focused on controlling production costs. Despite mechanization, automation, and other technical improvements, mining's aggregate profitability still falls far short of that realized by most industries. Author Juan Camus contends that additional technical knowledge is not required, but rather, the implementation of sound management practices that utilize the existing knowledge base more productively.

Management of Mineral Resources explores mining management—the process of generating plans and supervising their implementation. This book is concerned with the analysis of some of the internal, controllable factors that influence mining production effectiveness. It combines the best thinking in mining and management, allowing practitioners to devise concrete strategies for generating maximum shareholder value.

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You do not need computer language experience to use these products; you can run the programs by keying in a simple list of instructions. If you are more experienced with the language, you can modify one or more of the programs to suit your particular problem. All examples are interactive—you are prompted to input data for the simulation and then run the animation to view your mining operation.

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By Paul D. Tomlingson

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Author Paul D. Tomlingson draws on his 35 years of maintenance management consulting experience to craft these compelling and highly instructional stories. Each reveals a powerful lesson, equipping you with ideas and techniques for solving the maintenance problems you may be grappling with today.

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Mineral Exploration and Mining Essentials is an indispensable primer for anyone interested in the mineral exploration and mining industry but lacks experience in the field. Consider this book if you need to make informed mining-related investment decisions; want to better evaluate mineral-development proposals; or are interested in the basics of exploration, discovery, geology, and mining.

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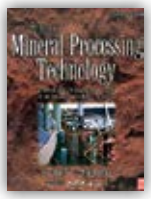

By Barry Wills and Tim Napier-Munn

Mineral Processing Technology provides practicing engineers and students of mineral processing, metallurgy, and mining with a comprehensive overview of ore-processing techniques used in modern processing installations. This renowned book clearly explains the principles and practices of mineral processing with real-work examples. It highlights the latest technologies in processing increasingly complex refractory ore, new equipment, and process routes. It also covers the developments and the challenges facing the mineral processor, particularly the environmental concerns involved in improving the efficiency of existing processes and waste management.

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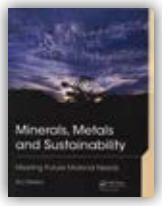

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Minerals, Metals and Sustainability examines the exploitation of minerals and mineral products and the implications for sustainability of the consumption of finite mineral resources and the wastes associated with their production and use. It provides a multi-disciplinary approach that integrates the physical and earth sciences with the social sciences, ecology, and economics.

This is an important reference for students of engineering and applied science and geology; practicing engineers, geologists, and scientists; students of economics, social sciences, and related disciplines; professionals in government service in areas such as resources, environment, and sustainability; and non-technical professionals working in the minerals industry or in sectors servicing the minerals industry.

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This useful book covers virtually every aspect of mine design and operation, making it an excellent reference for engineering students studying mine design or those looking for help in assembling a mine-design project, as well as industry professionals in need of a comprehensive mine-design reference book. Topics range from mine preplanning and ventilation to pumping, power, and hauling systems.

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Edited by Agne Rustan

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This guide presents 5127 terms, 637 symbols, 507 references, 236 acronyms, 108 formulas, 68 figures, 47 tables, 58 abbreviations, and 7 shortened forms.

Terms are included from related disciplines, such as chemistry, detonics, fractography, fracture dynamics, mechanics and strength of materials, micro mechanics, geology, geophysics, image analysis, petrology, physics, seismology, and more.

This is an essential reference for engineers and advanced students in mining, geotechnical, geological, tunneling, and construction engineering.

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Edited by Genadiy Pivnyak, Volodymyr Bondarenko, Iryna Kovalevs'ka, and Mykhaylo Illiashov

This compilation represents the scientific and technical achievements for mineral deposits mining intensification based on effective use of modern techniques and technologies. Specific attention is paid to progressive and innovational technologies in the coal industries of leading countries.

Mining of Mineral Deposits focuses the mining of coal and ores, geomechanical processes, labor protection and ventilation, and borehole extraction of minerals. The book covers the results of new equipment introduction; experiments on mutual interaction of roof support elements, protective construction, and near-the-contour rock massif; analytical and calculation methods of geomechanical tasks solution; development of gas hydrates and technologies of underground coal gasification; studies on environment protection; economic aspects; management and marketing in mining production, and other important aspects of mineral deposits exploitation.

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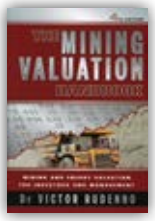

By Victor Rudenno

Now in its fourth edition, *The Mining Valuation Handbook* will assist those in the mining industry seeking financial information, as well as people in finance looking for characteristics of the resources industry in an economic light. For the non-professional who is keen to invest in resource companies, this book will also help remove some of the mystique that often surrounds technical disciplines.

Inside you will find extensive commentary relevant to the mining industry; valuation concepts; worked examples and feasibility studies; the role of resources and reserves; commodity values and forecasting; real option analysis; and extensive commodity profiles.

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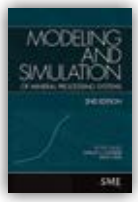

By R.P. King, Edited by C.L. Schneider and E.A. King

Quantitative modeling techniques and methods are central to the study and development of process engineering, including mineral processing. Models in mineral processing have been difficult to develop because of the complexity of the unit operations that are used in virtually all mineral recovery systems. The author covers the field of quantitative modeling of mineral processing equipment and uses models to simulate the actual behavior of ore-dressing and coal-washing equipment in industrial practice. Many examples are included to explain the application of some of the commonly used models, most of which described in the book are included in the ModSim software, the plant-wide simulator that is included on the companion CD. The simulator is an important part of the book. Almost all of the models described are not amenable to normal mathematical solutions or easy computation using calculators or spreadsheets. The simulation techniques done with ModSim allow complex problems to be tackled with minimal time and expense.

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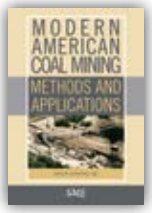
Modern American Coal Mining: Methods and Applications



Edited by Christopher J. Bise

Modern American Coal Mining: Methods and Applications covers a full range of coal mining and coal industry topics, with chapters written by leading coal mining industry professionals and academicians. Highlights from the book include coal resources and distribution, mine design, advances in strata control and power systems, improvements in surface mining, ventilation to reduce fires and explosions, drilling and blasting, staffing requirement ratios, management and preplanning, and coal preparation and reclamation. The text is enhanced with 11 case studies that are representative of underground and surface mines in the United States. Narrative descriptions and appropriate mine plans are presented, with attention given to unique features and situations that are addressed through mine design and construction.

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By William Hustrulid, Mark Kuchta, and Randall Martin

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Volume 1 discusses the fundamental concepts involved in the planning and design of open pit mines. Topics include mine planning, mining revenues and costs, orebody descriptions, geometrical considerations, pit limits, production planning, mineral resources and ore reserves, responsible mining, rock blasting, rotary drilling, shovel loading, haulage trucks, and machine availability and utilization.

Volume 2 includes CSMine and MicroModel, user-friendly mine planning and design software packages developed specifically to illustrate the practical application of the involved principles. This volume also includes tutorials and user's manuals for the software and eight orebody case examples, including drill hole data sets for performing a complete open pit mine evaluation.

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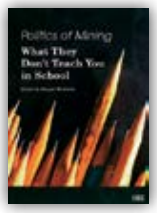
Politics of Mining: What They Don't Teach You in School



Edited by Deepak Malhotra

The mining industry presents many challenges, such as the necessity of working in remote locations with unfamiliar cultures; the business of permitting, environmental protection, and sustainable development; the existence and persistence of negative stereotypes about the business; and the sometimes tricky mechanics of training and transferring technology. In addition, tensions may arise between the competing interests of the various disciplines represented—engineers, attorneys, accountants, and environmentalists often encounter difficulty in speaking a common language. Engineering schools rarely prepare students for these issues, but the *Politics of Mining* does.

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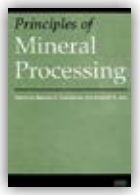

Edited by Maurice C. Fuerstenau and Kenneth N. Han

This comprehensive reference examines all aspects of mineral processing, from raw materials handling to separation strategies to waste product remediation. The book incorporates state-of-the-art developments from the engineering, chemistry, computer science, and environmental science fields and explains how these disciplines contribute to the ultimate goal of economically producing minerals and metals from ores. Chapters cover the following topics: particle characterization; size reduction and liberation; size separation; movement of solids in liquids; gravity concentration; magnetic and electrostatic separation; flotation; liquid-solid separation; metallurgical balances and efficiency; bulk solids handling; hydrometallurgy and solution kinetics; mineral processing wastes and their remediation; and economics of the minerals industry.

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Edited by Michael D. Holloway, Chikezie Nwaoha, and Oliver A. Onyewuenyi

With this book as their guide, readers have the information and practical guidelines needed to select, operate, maintain, control, and troubleshoot process plant equipment so that it is efficient, cost-effective, and reliable throughout its lifetime. Following careful explanatory text and instruction, readers will find that they are better able to reduce downtime and unscheduled shutdowns, streamline operations, and maximize the service life of processing equipment.

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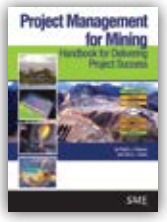

By Robin J. Hickson and Terry L. Owen

Opening a successful new mine is a vastly complex undertaking entailing several years and millions to billions of dollars. In today's world, when environmental and labor policies, regulatory compliance, and impact on the community must be factored in, you cannot afford to make a mistake. Written by two hands-on, in-the-trenches mining project managers with decades of experience who bring some of the world's most successful, profitable mines into operation on time, within budget, and ethically, *Project Management for Mining* gives you step-by-step instructions in every process you are likely to encounter.

Beginning with a discussion of mining ethics and governance, this clearly written handbook walks you through all the project management steps—defining the scope, performing prefeasibility and feasibility studies, gaining societal acceptance, minimizing the impact and risks, creating workable schedules and budgets, setting in place the project execution plan, assembling the human resources, hiring the contractors, and establishing project controls—and then on into the delivery of the engineering and design, construction, progress reviews, pre-launch commissioning, and ramping up for operation.

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Race Against Time: Building a Culture of Mine Safety

By Gregory M. Anderson and Stephen R. Rosene

Everyone agrees—one serious accident is too many. *Race Against Time* introduces you to a proven process for eliminating such incidents from mining processes, as well as everyday life. The book demonstrates how each of us impacts safety in the mining industry and how our individual commitment can make a real difference in every miner's life. Easy to read, this accessible book provides a blueprint to building a culture of mine safety.

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Edited by Michael DePonio and Chris Dixon

Every two years, industry leaders and practitioners from around the world gather at the Rapid Excavation and Tunneling Conference (RETC), the authoritative program for the tunneling profession, to learn about the most recent advances and breakthroughs in this unique field. This comprehensive book includes more than 100 papers from industry experts highlighting their most recent projects and sharing real-world experiences that will keep you up-to-date on the latest tunneling trends and technologies.

This book digs deep into every aspect of the business, presenting practical, no-nonsense information about demanding and high-profile projects. It will be useful for engineers, designers, geologists, contractors, and others who want to learn how their colleagues from across the globe are addressing the challenges of the profession.

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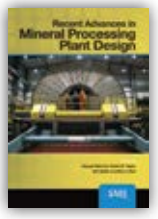
Recent Advances in Mineral Processing Plant Design



Edited by Deepak Malhotra, Patrick R. Taylor, Erik Spiller, and Marc LeVier

A compilation of engaging and insightful papers from the prestigious 2009 plant design conference, this volume is a sequel to *Mineral Processing Plant Design, Practice, and Control*, an industry standard published in 2002.

You will learn about the role of innovation, how to finance and conduct feasibility studies, and how to reduce your plant's carbon footprint. The book also includes extensive discussions on the latest advances in flotation, extractive metallurgy, crushing and grinding, separation processes, and process developments. Case studies and plenary speakers highlight which process design concepts work well and which do not.

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Recommended Contract Practices for Underground Construction

Edited by William W. Edgerton

Underground construction is more complex than ever, with the growing demand for space, the rapid development of new technologies, and the increased involvement of stakeholders. This book addresses one of the most challenging and frustrating characteristics of underground construction: contract language that fails to account for the unique nature of building underground.

Recommended Contract Practices for Underground Construction represents the first industry-wide effort to improve contract procedures in more than 30 years. This manual is an indispensable resource for contractors, consultants, suppliers, and owners anticipating underground projects. The authors suggest better practices for all project stages that will improve decision making and positively affect contracts. Part 1 focuses on the practices and disciplines that build the foundation for effective contracts during the early project phases. Part 2 discusses best practices for contract provisions, payment mechanisms, and dispute resolution.

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Regulatory Governance & Risk Management: Occupational Health and Safety in the Coal Mining Industry

By Binglin Yang

Regulatory Governance & Risk Management is the first book that addresses the diffusion of risk-based governance in the coal mining industry from a health and safety standpoint. Using a diffusion approach and comparisons between Australia and the United States, this book examines mechanisms that both drive and prevent the diffusion of risk-based governance in the coal mining industry.

This is a timely work given the Upper Big Branch coal mine explosion of April 2010. After this disaster, many asked why an enhanced level of enforcement has not prevented catastrophic accidents from occurring and why risk-based governance, which helps other countries achieve better safety performance, has not been practiced in the United States. This book answers these questions and makes recommendations on how to remove barriers in moving toward risk-based governance.

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Remote Sensing of the Mine Environment

By Sebnem Duzgun and Nuray Demirel

A guide for students and professionals, *Remote Sensing of the Mine Environment* covers the basic principles of remote sensing and its applications in mine environment monitoring. Following a general introduction to remote sensing principles and image analysis, the book covers mine subsidence monitoring, slope stability monitoring, reclamation planning and implementation, and post-closure mine and land use analysis. The techniques and tools presented are demonstrated in case studies.

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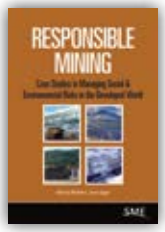

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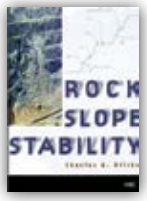

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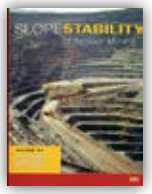

Edited by William A. Hustrulid, Michael K. McCarter, and Dirk J.A. Van Zyl

So far, the 21st century has seen mines more than 1,100 meters deep; waste rock embankments 600 meters tall; tailings dams 200 meters high; and heap leach facilities have topped 150 meters. The push toward higher, deeper, and steeper, combined with the use of larger and more productive equipment, continues to test our tools and capabilities.

Slope Stability in Surface Mining documents the progressive rise in technical understanding and sophistication in the field. Only by continuously collecting and exchanging information can design concepts, construction methods, monitoring strategies, and reclamation practices keep pace with the times. This text creates a common platform on which to base correct, economical, and safe slope design and construction decisions.

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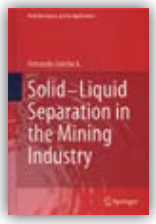

By Fernando Concha

This book covers virtually all of the engineering science and technological aspects of separating water from particulate solids in the mining industry. It begins with an introduction to the field of mineral processing and the importance of water in mineral concentrators. It presents the fundamentals under
which processes of solid-liquid separation are studied. The book also considers particle aggregations, and thickening is analyzed in depth. Lastly, two chapters cover the fundamentals and application of rheology and the transport of suspensions.

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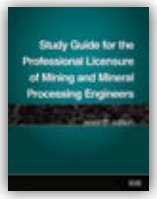

This handy workbook prepares you for professional licensure and allows you to practice your test-taking skills. The text covers the history of professional licensure and the Mining and Minerals Processing exam; explains what licensing can do for you; outlines the engineering licensure process; highlights the six steps to licensure; covers application procedures; includes Model Rules of Professional Conduct; lists NCEES publications; and describes the testing process.

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Edited by B.A. Kennedy

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Topics range from production and productivity to technological developments and equipment trends. *Surface Mining* adopts the approach that exploration and mining geologists must become experts in a number of fields, including basic finance and economics, logistics, and pragmatic prospecting.

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Sustainable Management of Mining Operations

Edited by J.A. Botin

The pressure is on to enhance corporate reputations, achieve higher operational efficiency, improve planning and control, gain access to mineral resources, build trust with stakeholders, attract financing, recruit and retain a quality work force, and lower costs. *Sustainable Management of Mining Operations* provides a holistic, practical approach to achieving these goals. The key, say the authors, is to foster an organizational culture that recognizes the value of sustainability by effectively integrating economic, environmental, and social considerations.

Each section of this book focuses on sustainable management from a different perspective, management level, or stage in a mine's life cycle. You'll benefit from the real-life, practical insights of 27 internationally respected authors whose job titles range from CEO to master mechanic.

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Techniques in Underground Mining

Edited by Richard E. Gertsch and Richard L. Bullock

This 836-page book contains a wealth of information for mining students and industry professionals. It consists of selected material from the out-of-print industry standard, *Underground Mining Methods Handbook*.

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Technology Innovation in Underground Construction

Edited by Gernot Beer

A primary focus in the technological development of underground engineering is simplifying practical execution and reducing time, cost, and risk in the construction and maintenance of underground facilities such as tunnels and caverns. New tools for designers, instant data access for engineers, virtual prototyping and training for manufacturers, and repair robotic devices for maintenance can accomplish these goals.

Technology Innovation in Underground Construction presents technological innovations in underground design, construction, and operation and comprehensively discusses novelties in ground improvement, simulation, process integration, safety, monitoring, environmental impact, equipment, boring and cutting, personnel training, materials, robotics, and more. The innovations presented result from a large research project involving many players in the field and aimed at advancing underground engineering.

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The World of Mining

By Richard Woldendorp, Jim Wark, Karlheinz Spitz, and John Trudinger

In this truly unique celebration of mining, breathtaking aerial photographs by award-winning photographers Jim Wark and Richard Woldendorp accompany ground-level pictures of mines, mine-side oddities, and mine communities. Informed but breezy narratives by mining experts
John Trudinger and Karlheinz Spitz identify and explain the images.

The World of Mining shows that mining and associated activities can be impressive, attractive, and even spectacular. The book illustrates most, if not all, aspects of mining and mineral processing, in all its varieties, and from different environments throughout the world. It illustrates the colorful history of mining and its importance to the development of civilization as we know it. It depicts the wide range of activities in modern mining, from exploration to mine closure, as well as traditional mining by skilled practitioners using methods adapted to local conditions.

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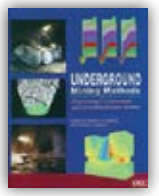

Edited by William A. Hustrulid and Richard L. Bullock

Underground Mining Methods has become the standard for practicing mining engineers and students alike, covering mining principles and techniques.

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Underwater Tailing Placement at Island Copper Mine: A Success Story

By George W. Poling, Derek V. Ellis, James W. Murray, Timothy R. Parsons, and Clem A. Pelletier

This book documents the use of deep-sea tailing placement at the Island Copper Mine on Canada's Vancouver Island, providing the most extensive study on underwater tailing placement ever conducted. Over the course of 30 years, more than 400 million tons of tailing solids were deposited on the ocean floor with minimal environmental impact.

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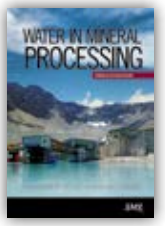

Edited by Jaroslow Drelich

One of the major challenges confronting the mining and minerals processing industry in the 21st century will be managing in an environment of ever decreasing water resources. Because most mineral processing requires high water use, there will be even more urgency to develop and employ sustainable technologies that will reduce consumption and the discharge of process-affected water.

Water in Mineral Processing provides a comprehensive, state-of-the-art examination of this vital issue. A compilation of papers presented at the First International Symposium on Water in Mineral Processing, this book shares the insights of dozens of respected experts from industry and academia.

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