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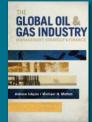
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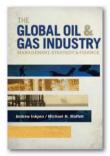
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ISBN 1-59370-111-X ISBN13 978-1-59370-111-6

Chip Design for Non-Designers: An Introduction provides a practical introduction to modern chip design methodologies. It is intended for manufacturing-oriented and other non-design professionals with an interest in the pre-tape-out design side. The book concentrates on functional, logic, circuit, and layout design using state-of-the-art methods and tools. More focus is given to the most popular design styles, including semi-custom design. Many practical and useful examples are included throughout and are excellent guides toward a direct use of the concepts.

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by Susan E. Mucha

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In addition to the step series, SMT also includes its lead-free series of columns published in 2005. As the world prepares for lead-free manufacturing and the enactment of the Restrictions on Hazardous Materials directive, massive changes are happening for the surface mount assembly sector. The inclusion of these articles represents a year's worth of counsel, technology and research at a critical time for the industry.

123 Pages/Softcover/2006

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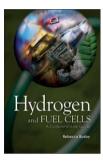


In her timely new book, best-selling author Rebecca Busby provides a balanced, comprehensive view of the wind power industry. Dr. Jon G. McGowan recommends this well-written and well-documented book as "required reading for people who want to obtain an initial overview of this most interesting energy field."

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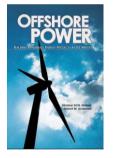
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This timely book explains why hydrogen has emerged as an essential area for research and technology development worldwide. It explores the forces driving the market for hydrogen-powered fuel cells, as well as the technical and economic barriers that could derail a transition toward hydrogen energy systems. The book reviews hydrogen's history, and discusses current and future applications for hydrogen fuel cells. It also explains in concise language how hydrogen is produced, stored, and transported, and it discusses the economics of these activities and their environmental impact. The book's appendices provide more technical details, such as cost calculations.

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■ 445 Pages/Hardcover/2005



OFFSHORE POWER: BUILDING RENEWABLE ENERGY PROJECTS IN U.S. WATERS

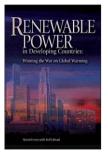
by Markian M.W. Melnyk and Robert M. Andersen

As the United States seeks ways to meet the ever-increasing power needs of its large coastal population areas, there's a growing focus on the plentiful renewable energy resources located just offshore. In their insightful book, energy experts Markian Melnyk and Robert Andersen outline the important new offshore options available to a nation on the threshold of a green revolution. The experience gained by early offshore oil and gas prospectors, as well as by more recent developers of European offshore wind, wave, and tidal energy projects, provide a wealth of knowledge that can be readily transferred to North American marine energy projects. Whether you're a developer, financial backer, or regulator, *Offshore Power* charts a course for long-term deployment of marine renewable energy facilities, and creates a compelling picture of a greener future.

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■ 496 Pages/Hardcover/2009



RENEWABLE POWER IN DEVELOPING COUNTRIES: WINNING THE WAR ON GLOBAL WARMING by Steven Ferrey with Anil Cabraal

\$75.00 us ISBN 1-59370-050-4 ISBN13 978-1-59370-050-8



This book documents how six developing Asian countries are taking head on electric power development and global warming issues with successful alternative energy programs. As the world looks to transition into new sources of fuel, this book should be a top-read for utility managers, energy professionals, independent power developers and university professors. The book provides a template for nations, policy makers, international investors, and developers to consult to implement renewable energy in the economies where it is most essential and it covers hot-button issues of global warming, renewable energy, and international development in an easy-to-read

format. It includes more than 20 comparative tables, a conclusion of the best practices for renewable energy programs, and a list of acronyms, abbreviations, and definitions used in the text.

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alternative energy/renewables



Energy Efficiency

ENERGY EFFICIENCY: PRINCIPLES AND PRACTICES by Penni McLean-Conner

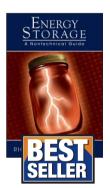
\$69.00 us ISBN 1-59370-178-0 ISBN13 978-1-59370-178-9

The latest book by Penni McLean-Conner, Energy Efficiency: Principles and Practices, is an outline for utilities, government agencies and power generators for educating consumers on conservation, better resource management, and a smaller carbon footprint. These techniques are not only of interest to the modern consumer, but also can maximize opportunities for demand side management. Demand side management programs are effective methods for reducing peak demand of electricity, helping to curb escalating electricity prices for consumers, allowing power generators greater control of the electrical loads and promoting overall conservation of stretched resources. This book offers proven strategies for creating, delivering and maximizing demand side management, truly a smart approach for your organization!

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212 Pages/Hardcover/2009



ENERGY STORAGE: A NONTECHNICAL GUIDE by Richard Baxter

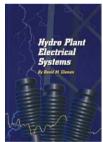
Energy Storage: A Nontechnical Guide is a complete resource on the operation of energy storage technologies and how they interact in the marketplace today. Baxter explains new opportunities for these technologies, detailed descriptions of the technologies and their market applications, and business opportunities energy storage technologies can expect throughout the industry. The book explains how, and under what conditions, energy storage technologies can become a vital component of the electric power industry.

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by David M. Clemen

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ISBN 1-59370-027-X

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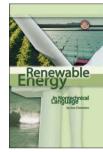
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This thorough review of renewable energy trends and technologies includes applications and examinations of regulations, with implications for future advances. Readers get a complete overview of renewable technologies and options, a quick understanding of issues affecting the popularity and installation of these technologies, and a broad knowledge of industry trends and terminology. Chambers has again crafted an easy-to-read-and-understand general overview of technology and applications, with information that keeps it interesting and relevant to real world business needs.

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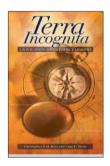


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The power of water draws on a diverse range of technical and stakeholder views to provide an understandable and comprehensive overview of technical applications, social and economic implications, as well as on the central role of hydro power in an ecological, and sustainable fuel mix for energy generation of the future.

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by Christopher E.H. Ross and Lane E. Sloan

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In this book, author James R. Hutton shares his decades of experience in the petroleum industry to help readers master the challenge of industrial sales. In *How to Sell Technical Equipment and Services*, Hutton covers the many aspects involved in B2B sales, emphasizing product knowledge as the key to success. Hutton breaks down the process into separate chapters covering more than 60 different topics ranging from identifying the decision makers and gathering intelligence, to handling unpleasant customers and introducing new products. Sales professionals, sales managers, and senior executives in all industries will find the information found in this book to be invaluable.

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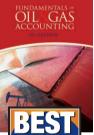
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by Charlotte J. Wright and Rebecca A. Gallun

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ACCOUNTING by Charlotte J. Wright and Rebecca A. Gallun

\$99.00 us ISBN 1-59370-016-4

ISBN13 978-1-59370-016-4



A companion text to PennWell's popular Fundamentals of Oil & Gas Accounting, this book illustrates various aspects of accounting in international petroleum operations. Discussions cover the broad differences between U.S. and international operations and accounting as well as the global movement toward conversion to International Accounting Standards Board standards. Also included are overviews of petroleum tax regimes encountered around the world. Whereas Fundamentals of Oil & Gas Accounting gives in-depth coverage of petroleum accounting

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750 Pages/Hardcover/2004





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\$79.00 us	ISBN 1-59370-260-4	ISBN13 978-1-59370-260-1

Unlike conventional oil resources, "unconventional oil" resources have been known to exist only for the last few decades and are available in limited areas of the world. The most commonly known "unconventional oils" ----oil sands, heavy oil, and bitumen---are found primarily in the western United States, Canada, and Venezuela. Only recently has serious consideration has been given to North American resources for meeting the increasing demands for transportation fuel. Dr. Banerjee discusses the importance of these unconventional oils and provides an introduction for those beginning their journey in the still unexplored unconventional hydrocarbon resources of the world. This new book is an important educational tool for anyone in the petroleum industry-whether upstream, downstream, or pipeline-who would like to learn the fundamentals of the most commonly known unconventional oils: oil sands, heavy oil, and bitumen.

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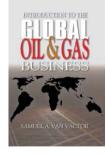
THE WORLD ENERGY DILEMMA			
by Louis W. Powers	\$69.00 us	ISBN 1-59370-271-X	ISBN13 978-1-59370-271-7

With political turmoil in the Middle East contributing to price volatility and production problems, many experts have questioned if this critical region can continue to supply petroleum for the global economy. Former Saudi Aramco chief petroleum engineer Lou Powers offers insider viewpoints on the major oilfields of Saudi Arabia, and how cutting-edge technology is expanding and extending the production life of the world's largest petroleum reserves. Readers will gain access to a world few understand, yet depend upon for their everyday needs.

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INTRODUCTION TO THE GLOBAL OIL & GAS BUSINESS by Samuel A. Van Vactor

\$69.00 us ISBN 1-59370-214-0 ISBN13 978-1-59370-214-4

To the casual observer, the oil business seems constant and unchanging. The familiarity of the oil industry's retail outlets masks extraordinary changes in how the industry engages in its four primary sectors of activity: finding and producing crude oil, transportation, refining, and marketing.

In his new book, noted energy economist Dr. Samuel A. Van Vactor chronicles the oil industry's transformation over the last century and discusses the future of an industry that has been pronounced dead or dying by its critics on numerous occasions since the early development of coal and the steam engine. New professionals, industry executives, government officials, and academicians will find Introduction to the Global Oil & Gas Business a concise introduction to the industry and an invaluable source of information.

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■ 184 Pages/Hardcover/2010







THE PETROLEUM INDUSTRY: A NONTECHNICAL GUIDE

by Charles F. Conaway

Everything from upstream to downstream is covered in this nontechnical overview of the petroleum industry. Organized in a natural chronology, the text begins with the geology and origins of oil and gas formation and moves through the techniques used to find, drill, produce, refine, and market oil. This text also includes a glossary of industry terms and buzzwords.

Contents:

How the earth was formed • Petroleum origins, accumulation, and exploration • Contracts and regulations • Reservoir performance • Drilling • Formation evaluation • Well completion • Field appraisal and development • Artificial lift • Surface facilities • Petroleum downstream

■ 289 Pages/Hardcover/1999



THE OIL & GAS INDUSTRY: A NONTECHNICAL GUIDE

by Joseph Hilyard

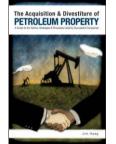
\$79.00 us ISBN 1-59370-254-X ISBN13 978-1-59370-254-0

Joseph Hilyard's timely new book provides a broad perspective on the oil and gas industry, with primary attention to the United States. It takes the reader on a tour of the operations used to find and evaluate resources, and then to produce, store and deliver oil and gas. The book's main focus is primarily on the equipment and processes used in exploring new resources; evaluating promising formations; drilling wells; managing oil and gas production; converting oil and gas into products; and transporting oil and gas. Separate chapters address the evolution and current structure of the petroleum industry; oil and gas trading; and challenges likely to face the oil and gas industry in coming years. Three appendices define key industry terminology; suggest further reading on selected topics; and identify organizations that can provide more information.

Contents:

Origins of oil and gas • Oil overview • Natural gas overview • Searching for and evaluating oil and gas • Drilling and completion: Onshore • Drilling and completion: Offshore • Managing oil and gas production • Transporting oil • Transporting natural gas by pipeline • Transporting natural gas as LNG • Converting oil into products • Converting natural gas into products • Petroleum industry structure • Petroleum trading • Emerging challenges for the petroleum industry • Appendix A: Terms, abbreviations, and acronyms • Appendix B: Further reading • Appendix C: Organizations, agencies, and professional societies

Approx. 390 Pages/Hardcover/6x9/Coming Soon!



THE ACQUISITION AND DIVESTITURE OF PETROLEUM PROPERTY by Jim Haag

\$69.00 us ISBN 1-59370-045-8 ISBN13 978-1-59370-045-4

This book explains the actions that will lead to success in acquiring or divesting oil and gas producing assets. The path to maximizing value and minimizing mistakes is presented. Necessary resources are noted, emphasizing best practices in evaluations and negotiations.

Contents:

Successful company profiles • Motivating factors • Non-motivating factors • Seller evaluation • Marketing options • The divestment process • The acquisition process • Unique lifecycle risks • Valuation methodologies • Determining the price • Like-kind exchanges • New field discoveries • Constructing the offer • Preferential rights • Bonding protection • Negotiating the agreement • Due diligence • Government approvals • Corporate sales 'programs' • Industry activity • Accountability • Lessons learned • Website references • Case histories

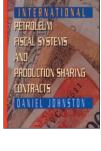
193 Pages/Hardcover/2005

"PennWell Customer Service is excellent. Even during Christmas vacation they replied quickly to my queries. I wish to rate them to the top as compared to other service providers. Even the quality of packing is excellent." - M.A. Mohan









INTERNATIONAL PETROLEUM FISCAL SYSTEMS AND PRODUCTION SHARING CONTRACTS by Daniel Johnston

\$99.00 us ISBN 0-87814-426-9 ISBN13 978-0-87814-426-6



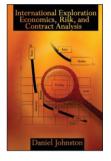
In this book, Daniel Johnston covers everything including historical development of contracts, terminology of accounting and negotiations, threshold field size analysis, arithmetic behind contract terms, and more.

Contents:

Petroleum fiscal systems • Concessionary systems • Production-sharing contracts • Risk service contracts • Threshold field size analysis • Global market for exploration acreage • Production-sharing contract outline • Accounting principles • Double taxation • Commentary

\$

■ 325 Pages/Hardcover/1994



INTERNATIONAL EXPLORATION ECONOMICS, RISK, AND CONTRACT ANALYSIS by Daniel Johnston

99.00 us	ISBN 0-87814-887-6	ISBN13 978-0-87814-887-5

International exploration and production is challenging and exciting. Negotiating with governments and understanding the dynamics of their fiscal systems and/or production sharing contracts can mean the difference between success and failure. Long-time industry consultant, negotiator and lecturer, Daniel Johnston, provides an extremely clear and practical perspective on: international exploration economics and risk analysis, petroleum fiscal system analysis and design, contract negotiations, economic, financial and accounting aspects of production sharing contracts and royalty/ tax systems.

Contents:

International petroleum fiscal systems: production sharing contracts • State-of-the-art in petroleum fiscal system analysis • Thinking of going international? • Trends and issues in foreign PSCs • Current developments • The international gas industry • Alignment of interests • The ideal system • Economic modeling/auditing art and science – part I • Economic modeling/auditing – art and science – part II • Finger-on-the-pulse • Kashagan and Tengiz • The bidding dilemma • Government take – not a perfect statistic • The value of reserves in-the-ground, effective royalty rate (ERR), booking barrels, ROR systems and "R factors", maximum efficient rate (MER) • Example contracts and/or fiscal systems from around the world

■ 479 Pages/Hardcover/2003



INTERNATIONAL OIL COMPANY FINANCIAL MANAGEMENT IN NONTECHNICAL LANGUAGE

by James Bush and Daniel Johnston

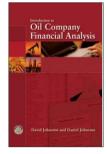
\$69.00 us ISBN 0-87814-597-4 ISBN13 978-0-87814-597-3

This text addresses the decision-making element of petroleum company management. It is a practical guide to all facets of modern financial management and strategic planning in today's oil and gas companies. Includes tables, figures, graphs, and an extensive glossary.

Contents:

Oil industry financial accounting • Integrated management system • Competitive comparison • Cost management • Capital budgeting and investment theory • Cash flows in the oil industry • Capital structure • Financial reporting and investor/stockholder relations • Econometrics

327 Pages/Hardcover/1998



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INTRODUCTION TO OIL COMPANY FINANCIAL ANALYSIS

by David Johnston and Daniel Johnston

\$89.00 us ISBN 1-59370-044-X ISBN13 978-1-59370-044-7



Basic principles are widely understood in the financial industry, but the terminology and analytical techniques can vary greatly. This book is written for the nonfinancial shareholders, managers, and oil company employees interested in the forces that influence stock values. The bottom line in any company is expressed in the language of finance. This book explains financial concepts in a nontechnical, practical way so that nonfinancial professionals and others may understand and appreciate this aspect of the business. When the first edition of this book was written, companies

disclosed substantially less information than what is available today. This additional information allows a better understanding of the financial status and health of a company. But there is still room for improvement.

Contents:

Fundamentals of valuation • Accounting systems • Financial analysis • Common stock • Competitive comparisons • Segment analysis • Value of oil reserves-in-the-ground • Restructuring • Legal & tax • Valuation of bonds & preferred stock

■ 447 Pages/Hardcover/2005







business



STRUCTURED MENTORING FOR SURE SUCCESS

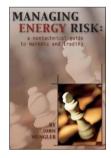
bv Meta Rousseau

Sustained success and steady growth require organizations to develop and retain a core of culture, relationships, and critical knowledge and skills. Capitalizing on the strength of disciplines such as competency-based training and knowledge management, structured mentoring programs enable organizations to reach these goals and offer their employees opportunities for professional development and career advancement that would not otherwise be possible. In her book, Meta Rousseau discusses a unique approach to structured mentoring aimed at the timely, effective, and reliable transfer of corporate culture, strategic relationships, and knowledge.

Contents:

Toward greater clarity • Structured mentoring—more than goals and objectives • Purpose, relationship, scope, and complexity • Mentorship teams • Key practices and tools • Development, implementation, and improvement • Lessons learned • Glossary

■ 168 Pages/Hardcover/2008



MANAGING ENERGY RISK: A NONTECHNICAL GUIDE TO MARKETS AND TRADING by John Wengler

\$69.00 us ISBN 0-87814-794-2 ISBN13 978-0-87814-794-6

How does the manager master this complex process, with its myriad experts, personalities, and systems? John Wengler identifies these issues, discusses and analyzes them, and in checklist fashion prioritizes for managers what they must do to succeed despite risks as diverse as price, trader, and credit. Written in plain English, the text is directed at upper management at all electric utilities, natural gas firms, oil companies, and industrial end-users served by the energy complex.

Contents:

Foreword by Jeffrey Roark, Southern Energy • Editor's Note by Dragana Pilipovic, SAVA • The "Top Ten Checklist" of things to do • The bull, the bear, and the spark spread • Risk management policies and procedures • Starting with your risk-return strategy • The risk roster: personalities and specialties • Energy risk boot camp: "must know" concepts for managers and directors • The deal process: from the desk to delivery • The portfolio process: starting with what have we got? and what do we want? • Measuring risk: how might our portfolio change? • Hedging: navigating toward our portfolio objectives • Critical path IT issues • Looking forward: the next ten management issues • Appendix • Glossary • Index

■ 393 Pages/Hardcover/2001

CUSTOMER SERVICE: UTILITY STYLE

by Penni McLean-Conner

\$69.00 us ISBN 1-59370-053-9 ISBN13 978-1-59370-053-9

Successful utility customer service leaders are providing great service while reducing costs. This primer for customer service leaders at all levels outlines successful techniques for creating a customer focused culture, taking costs out of the business and maximizing technology, processes and efficiency. Readers of this book will find easy to implement, proven best practices combined with thoughtful discussions on current strategies and innovations. Additionally insights and case studies from successful utility leaders will amplify the challenges of successfully implementing these best practices.

Contents:

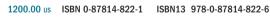
Part One: Create a customer focused culture • Build a high performance team • Hire, train and retain your best customer service professionals • Discover the magic of customer complaints • Listen and respond to the voice of the customer • Offer new services and products to meet your customers' needs • Part Two: Take costs out of the business • Reduce unbilled losses in your meter to cash cycle • Outsourcing • Reduce bad debt • Create effective channel management • Part Three: Maximize technology, processes and efficiency • Map, measure and benchmark your key customer service • Successfully implement these and other best practices

250 Pages/Hardcover/2005



INTERNATIONAL PETROLEUM FISCAL SYSTEMS ANALYSIS

by Daniel Johnston





This report collects public information that is obscure and difficult to gather, making it a great value and timesaver. It is an excellent reference that depicts the diversity of petroleum exploration and development & production contract terms around the world. Nowhere else will you find this information collected in one place.

Contents:

Country/system listing (130 countries/352 regimes and contracts) • Abbreviations, acronyms and symbols • Introduction • Example of database format • Example analysis format and definitions • Example production sharing contract – and analysis • World petroleum fiscal system statistics

■ 380 Pages/3-Ring Binder/2001

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CUSTOMER SERVICE: UTILITY STYLE Proving Strategies For Improving Customer Care Costs





CYBERSECURITY FOR SCADA SYSTEMS

by William T. Shaw

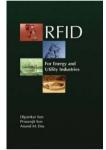
\$89.00 us ISBN 1-59370-068-7 ISBN13 978-1-59370-068-3
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SCADA technology quietly operates in the background of critical utility and industrial facilities nationwide. This important tool efficiently manages utility assets, refineries and other critical industrial segments, but protecting SCADA networks from cyber attacks, hackers and even physical assault is becoming a test of will, cleverness and determination. *Cybersacurity for SCADA Systems* provides a high-level overview of this unique technology, with an explanation of each market segment. Readers will understand the vital issues and learn strategies for decreasing or eliminating system vulnerabilities. Suitable for the non-technical management level personnel as well as IT personnel without SCADA experience.

Contents:

Section 1: Introduction to SCADA systems • The technological evolution of SCADA systems • Remote terminal units • Telecommunications technologies • Supervisory control applications • Operator interface • Conventional information technology security • Section 2: Cybersecurity principles, processes, and technologies • Identifying cybersecurity vulnerabilities • Classifying cyber attacks and cyber threats • Physical security • Operational security • Electric utility industry-specific cybersecurity issues • Section 3: Industrial sectors • Water/ wastewater industry-specific cybersecurity issues • Pipeline industry-specific cybersecurity issues • The emerging cyber threat to SCADA systems • Section 4: SCADA Security features • Commercial hardware and software vulnerabilities • Traditional security features of SCADA systems • Eliminating the vulnerabilities of SCADA systems • Appendices • Index

■ 562 Pages/Hardcover/2006



RFID FOR ENERGY & UTILITY INDUSTRIES

by Dipankar Sen, Prosenjit Sen and Anand Das \$89.00 us ISBN

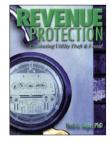
ISBN 1-59370-105-5 ISBN13 978-1-59370-105-5

Although radio frequency identification (RFID) has been used for decades, the technology is just now gaining momentum in the energy industry. Power plants can employ RFID for everything from security for the workforce, tracking fuel consumption, and even monitoring plant exhaust. The applications for RFID are endless, and the technology is applicable in nearly every field. Lead authors Dipankar Sen, Prosenjit Sen and Anand Das bring years of entrepreneurial experience with RFID technology to this primer for plant foremen, system engineers and those decision-makers looking to enhance operational efficiency.

Contents:

RFID technology • Wireless networking technologies • Application of RFID and wireless technologies for mobile asset management • Application of RFID and wireless technologies for fixed asset labeling and locating • RFID and wireless applications for asset management in the water utility • RFID and wireless applications for asset management in the electric utility • RFID and wireless applications for asset management in the natural gas industry • Appendix A Evaluating the business proposition of an RFID project • Appendix B Industry acronyms and abbreviations

286 Pages/Hardcover/2009

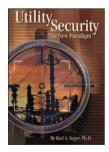


REVENUE PROTECTION: COMBATING UTILITY THEFT AND FRAUD *by Karl Seger, PhD*

\$79.00 us ISBN 1-59370-039-3 ISBN13 978-1-59370-039-3

Energy theft is more common than most think. It costs consumers billions of dollars every year in the United States alone. Karl Seger explains how a utility can establish a revenue protection program or evaluate and improve an existing one. This how-to book includes a number of appendices with sample web pages, investigative reports, and more. Dr. Seger outlines a program to help identify customer fraud and billing errors. Seger's advice applies to those associated with both large and small utilities.

■ 239 Pages/Hardcover/2005



<u>UTILITY SECURITY:</u> The New Paradigm

by Karl A. Seger, Ph.D.

\$79.00 US ISBN 0-87814-882-5 ISBN13 978-0-87814-882-0

In response to recent security concerns, Dr. Seger addresses the real threats to utility systems and provides a step-by-step approach to assessing vulnerabilities and developing and implementing security countermeasures. Included in the book are threat assessment and security checklists, a vulnerability/countermeasure matrix, and sample security and workplace violence prevention policies.

Contents:

Section 1: New paradigm threats • September 11, 2001 • The threat from extremists • Conventional threats • Section 2: Managing threats • The risk management process • Protecting information • Protecting networks and computer systems • Physical security and access control • Protecting employees and physical assets • Special threats • Threat response plan • Crisis management • Appendices • Helpful website addresses • Index

238 Pages/Hardcover/2003



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THE GLOBAL OIL & GAS INDUSTRY: MANAGEMENT, STRATEGY & FINANCE

by Andrew Inkpen and Michael H. Moffett

ISBN 1-59370-239-6 ISBN13 978-1-59370-239-7 \$89.00 us



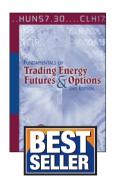
Despite its size and importance, a surprising lack of basic knowledge exists about the oil and gas industry. With their timely new book, authors Andrew Inkpen and Michael H. Moffett have written a nontechnical book to help readers with technical backgrounds better understand the business of oil and gas. They describe and analyze the global oil and gas industry, focusing on its strategic, financial, and business aspects and addressing a wide range of topics organized around the oil and gas industry value chain, starting with exploration and ending with

products sold to consumers. The Global Oil & Gas Industry is a single source for anyone interested in how the business of the world's largest industry actually works: business executives, students, government officials and regulators, professionals working in the industry, and the general public.

Contents:

The global oil and gas industry • Nationalism, national oil companies, and the curse of oil • Access, leasing, and exploration • Developing oil and gas projects • Production of oil and gas • Fiscal regimes • Financing and financial performance • Natural gas • Liquefied natural gas (LNG) • The market for crude oil • Transportation • Refining • Sales and marketing of petroleum products • Petrochemicals • The future of the global oil and gas industry • Index • About the authors

■ 600 Pages/Hardcover/6x9/September 2011



FUNDAMENTALS OF TRADING **ENERGY FUTURES & OPTIONS, 2ND EDITION** by Steven Errera & Stewart L. Brown

\$79.00 us ISBN 0-87814-836-1 ISBN13 978-0-87814-836-3

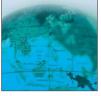
In this second edition of their best-selling primer, authors Errera and Brown explain how exchange traded futures and options markets work, and how companies can successfully use the markets in their overall strategy to increase profitability. They cover everything from market mechanics, hedging, spread trading, and technical trading to history and growth of the markets. Also included is an extensive appendix detailing contract specifications for 13 energy futures/options contracts.

Contents:

Futures and options contracts and markets • Market mechanics • Behavior of commodity futures prices • Speculation and spread trading • Hedging • Introduction to options on futures • Energy options strategies • Technical factors • History and growth • Economic implications of energy futures and options • Appendices (contract specifications) • Glossary

247 Pages/Hardcover/2002





Offshore:

FINANCING ENERGY PROJECTS IN **DEVELOPING COUNTRIES**

by Hossein Razavi, Ph.D.

\$89.00 US ISBN 1-59370-124-1

ISBN13 978-1-59370-124-6

An update to his comprehensive 1996 text on project finance in emerging economies, Hossein Razavi's authoritative book provides first-hand information and analysis of how multilateral, bilateral, and commercial financiers decide to support an energy project. It presents the major changes in the attitudes and orientations of these financiers as they have entered a competitive environment seeking opportunities to do more business in the energy sector of developing countries.

The reader is guided through the process of understanding the fundamentals of project financing, getting to know the financiers, and developing an acceptable project package. Finally, some real-world case studies demonstrate the intricacies of mobilizing funds for projects in various segments of the energy sector.

484 Pages/Hardcover/2007

PIONEERING OFFSHORE: THE EARLY YEARS			
by F. Jay Schempf	\$49.00 us	ISBN 0-9795633-0-5	ISBN13 978-0-9795633-0-0

The offshore petroleum industry has become a huge, distinct branch of the oil and gas industry in a relatively short time. Since its official beginnings only 50 years ago, the industry has taken astounding leaps in technical and commercial know-how. Pioneering Offshore: The Early Years takes over-water petroleum development from its beginnings in the late nineteenth century through the mid-1960s. In addition to the historical narrative, interwoven into Pioneering Offsbore are stories from this time period obtained from in-depth interviews of more than 125 industry pioneers, providing a historical context for their contributions in the industry's advancement and in the development of its distinct technologies. As intended, Pioneering Offsbore provides a narrative that, while as chronologically and historically accurate as possible, remains true also to the industry's human spirit. This book offers an intimate feel for the industry's early years and will be essential to grasping the enormous scope of the search for offshore oil and gas during subsequent decades.

Contents:

Book One: In the wet: The earliest pioneers • Book Two: Wading out with history • Book Three: The world offshore-deep and dangerous • Book Four: Old lessons and new: On-the-job training • Book Five: The international scene and observations • Acknowledgments and recommended reading • The Offshore Energy Center story

253 Pages/Hardcover/2007

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INTERNATIONAL ENERGY MARKETS: UNDERSTANDING PRICING, POLICIES & PROFITS

by Carol Dahl

\$105.00 us ISBN 0-87814-799-3 ISBN13 978-0-87814-799-1

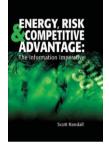


This book is designed to provide the economic skills to make better management or policy decisions relating to energy. It requires a facility with calculus and contains a toolbox of models along with institutional, technological and historical information for oil, coal, electricity, and renewable energy resources.

Contents:

Energy lessons from the past for the future • Perfect competition and the coal industry • Natural monopoly and electricity generation • Deregulation and privatization of electricity generation • Monopoly, dominant firm and OPEC • Market structure, transaction costs economics and U.S. natural gas markets • Externalities and energy pollution • Public goods and global warming • Monopsony - Japan and the Asia Pacific LNG market • Game theory and the European natural gas market • Allocating fossil fuel production over time and oil leasing • Computing energy costs and supply • Oil refining, energy transportation, and linear programming • Energy futures and options markets for managing risk • Energy and information technologies • Managing in the multinational world of energy • Glossary and abbreviator • Conversion charts

587 Pages/Hardcover/2004



ENERGY, RISK & COMPETITIVE ADVANTAGE: THE INFORMATION IMPERATIVE by Scott Randall

\$89.00 us ISBN 1-59370-134-9 ISBN13 978-1-59370-134-5

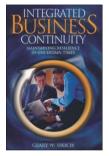
The focus of risk management is not only on minimizing the negative consequences of uncertain events, but also on providing competitive advantage. Neither threats nor opportunities can be effectively identified and assessed without good quality market intelligence. As companies integrate their corporate risk, strategy, and finance decisions, they are finding that corporate risk identification and assessment is only as good as the data in their system. Using the framework of enterprise risk management, market research, quality management, and strategic planning, author Scott Randall presents a timely and important new book about competitive advantage in the energy business, and how it can be gained using a cross-disciplinary integration of tools, techniques, and structure that yields reliable information.

Contents:

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The rise of enterprise risk management and the information imperative • Information integrity implementation—tools, techniques, and examples • Assessment • Disposition • The energy merchant of the 21st century creates alpha • Recommended template for stress test documentation • Acronyms and abbreviations

303 Pages/Hardcover/2008



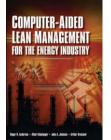
INTEGRATED BUSINESS CONTINUITY: MAINTAINING RESILIENCE IN UNCERTAIN TIMES			
by Geary W. Sikich	\$69.00 us	ISBN 0-87814-865-5	ISBN13 978-0-87814-865-3

Integrated Business Continuity: Maintaining Resilience In Uncertain Times guides you step-by-step through developing and assessing an effective business continuity plan. Use the ideas of this book to keep your business on track in the event of both natural or man-made disasters.

Contents:

Entering the age of uncertainty: what to expect • Critical infrastructures: opportunities and vulnerabilities • The underpinnings of business continuity • Your next "crisis:" identifying time-critical issues • The smoldering "crisis:" time-sensitive issues • The hibernating "crisis:" time-dependent issues • Business continuity: from inception to integration • Protecting your organization in the age of uncertainty • Knowledge management: effective communications in the "age of the instant" • The next wave: global vulnerabilities, local impacts . Concluding thoughts

■ 283 Pages/Hardcover/2003



COMPUTER-AIDED LEAN MANAGEMENT FOR THE ENERGY INDUSTRY

by Roger N. Anderson, Albert Boulanger, John A. Johnson, and Arthur Kressner

\$89.00 us ISBN 1-59370-157-8 ISBN13 978-1-59370-157-4



In this new look at energy business operations, an expert team of scientists and engineers provide a road map for transforming energy business capabilities to meet growth imperatives in an increasingly competitive global economy. Computer-aided lean management (CALM) methodology uses the common-sense approach of measuring the results of actions taken and using those measurements to drive greater efficiency. The authors also examine how CALM methodology will enable future electric power smart grids with the efficiencies necessary to serve urban expansion. Additionally, CALM can serve the oil and gas industry as it deals with dwindling geological supplies and emerging renewable resource competitors. Developing

the business capabilities of CALM will dramatically improve the business operations of all energy companies. **Contents:**

Introduction to CALM • History • Components • Systems engineering • IMP/IMS • Big picture • Additional tools • Oil and gas operations • Electric operations • Growth • Energy future

■ 394 Pages/Hardcover/2008







Qmags



TRADING NATURAL GAS: A NONTECHNICAL GUIDE

by Fletcher J. Sturm

This great "how to" book covers the various mechanics of natural gas trading, including the physical (cash) market for natural gas production, transportation, distribution, and consumption. The heart of the text is the definition and demonstration of financial trading tools and techniques. It closes with discussion of more complex structures of trading and the author's philosophy on how a risk management department should function within a natural gas trading company.

Contents:

The physical (cash) market • The financial market • Structured transactions • Hedging and trading instruments • Building a risk management model

206 Pages/Hardcover/1997





POWER PLANT CONSTRUCTION MANAGEMENT: A SURVIVAL GUIDE

by Peter G. Hessler

\$99.00 us ISBN 1-59370-029-6 ISBN13 978-1-59370-029-4



With the focus on return on investment and new technologies, the power industry today is much different than it was years ago. A unique set of management skills is necessary to supervise construction or retrofitting of a power generation plant, given today's bottom-line emphasis on environment, fuel efficiency, up-to-date technical features, and the industry's loss of experienced craftsmen and supervisory personnel. This book explains the power of economics behind the industry and how to manage the finances of work activities.

Contents:

Planning the process •Understanding the contractual commitments •The commercial side •Risk management •Summarizing the contractual responsibilities • Setting up the job site •Personnel • Controlling the quality • Safety • Managing the finances • Managing the site activities •Pulling it all together • Doing it overseas

■ 345 Pages/Hardcover/2005



UNLOCKING THE GLOBAL WARMING TOOLBOX: KEY CHOICES FOR CARBON RESTRICTION AND SEQUESTRATION by Steven Ferrey

\$89.00 us ISBN 1-59370-213-2 ISBN13 978-1-59370-213-7



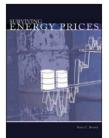
Focuses on the key options for designing and implementing equitable and goal-specific carbon regulation. This book is a regulatory toolkit holding the policy and legal implements necessary to shape the carbon future. It showcases the ongoing legal and regulatory issues that will be worked out both in the United States and in international programs for years, and highlights the lasting issues related to crafting successful carbon control. A must-have for those who would regulate carbon and those who would be subject to that regulation—policymakers, regulators, industry,

nongovernmental organizations, and consumers.

Contents:

Opening the toolbox • The science underlying global warming • The critical role of electric power architecture and carbon • The tipping point: Time as the combatant • The Kyoto Protocol: The world carbon model • The European Union core of carbon control: Compared and contrasted with recent U.S. experience • The regional greenhouse gas initiative: The original U.S. regulation • Golden state carbon: California GHG regulation • Regional and voluntary U.S. carbon programs • The Kyoto critique: The urgency of international redesign • The fulcrum on leverage on global warming: Role of the courts • The new carbon-attuned smart grid: Beyond simple poles and wires • Carbon leakage and the commerce clause • Carbon allowance auction: Regulatory and legal issues • Legal additionality requirements for carbon offsets • Offsetting carbon: Creating credits from renewable power and conservation • The feed-in tariff for renewable energy: Where It works and where it encounters legal impediments • Renewable portfolio standards for renewable power • The successful architecture to transform renewable power • Into the woods • The final analysis: The conclusion on carbon

■ 324 Pages/Hardcover/2010



SURVIVING ENERGY PRICES *by Peter Beutel*

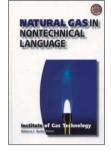
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In his book, *Surviving Energy Prices*, energy advisor Peter Beutel delivers a concise and comprehensive look at what companies should know to avoid harm from swift and vicious changes in energy prices. This book distills a lifetime of trading experience into simple, easy-to-understand concepts that can get these companies off the baseline and into the game.

Contents:

The new volatility • Understanding hedging • Different kinds of risk • Wet barrel programs • Understanding futures and options • When to use futures and options • Bank swaps and inventory financing • Timing • Fundamental analysis • Technical analysis • Seasonal tendencies and market psychology • Treating adages, good and bad

■ 197 Pages/Softcover/2005



NATURAL GAS IN	
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by Institute of Gas Technology	

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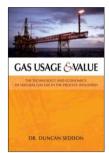
An overview of the natural gas process from wellhead to burntip, from futures trading to exploration, and the latest cogeneration issues and other product use.

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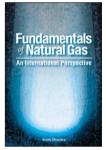


Gas Usage & Value addresses issues concerning the development and sale of natural gas resources. The text reviews the world's gas reserves and outlines the principal issues affecting composition and the cost of producing well head gas to make a specification product or extract particular components; operation and cost of gas plants; and the cost of transporting the gas to an end-user. Separate chapters deal with the use of gas in the downstream process industries. Gas usages for various technologies are described and alternatives are critically compared. Costs for the downstream process industries are described on a self-consistent basis that allows comparison of alternatives. Estimates are presented for each technology on the cost of production as the gas price changes. Case studies are included to illustrate variations or specific points of relevance.

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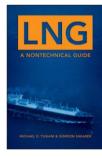
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Natural gas has been called "the prince of hydrocarbons": an abundant resource that is versatile and competitive with other fuels and popular throughout the world. The advent of newer technologies that can deliver natural gas to worldwide markets, coupled with its reputation as a clean-burning, efficient energy source, make natural gas the international "fuel of the future."

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The demand for natural gas rises annually, straining existing supplies, and emerging markets often aren't accessible by pipeline. Using everyday language and real-world examples, authors Michael D. Tusiani and Gordon Shearer present LNG as the most viable energy answer. Their straightforward explanation of a complex industry proves that LNG can deliver a critical link in the energy demands of international economies.

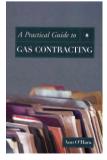
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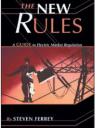
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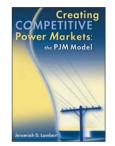
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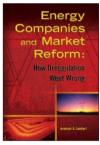
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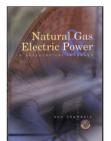
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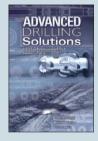
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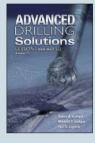
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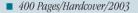
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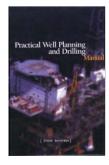


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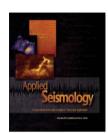
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ISBN13 978-0-87814-828-8 \$89.00 us ISBN 0-87814-828-0

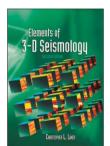
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Geotechnical data management plays a key role in problem solving for oil company exploration and development operations. This text is a complete manual that geoscientists can use to provide a basic introduction to data management concepts. A highly organized work, each chapter is complete with an introductory synopsis and key terms where necessary. Overall, Hoffman provides practical information sprinkled with cautionary advice on avoiding potential database design pitfalls.

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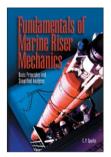
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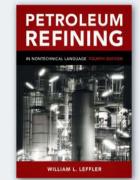


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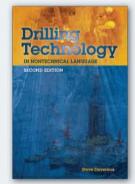
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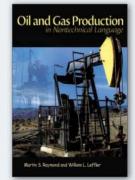
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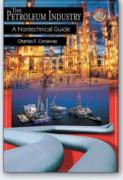
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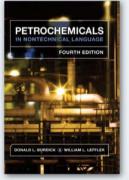
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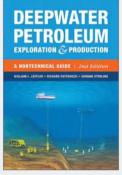
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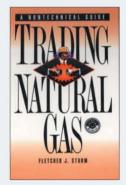
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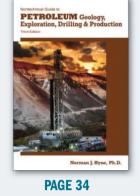
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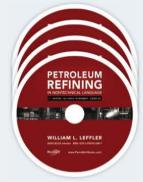


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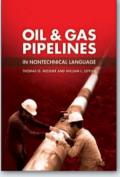


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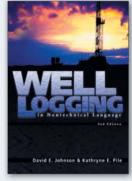




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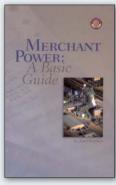
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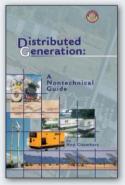




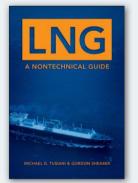
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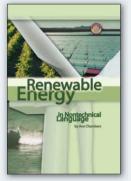
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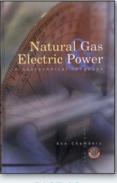
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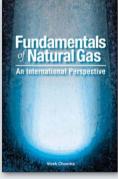
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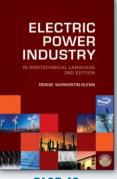
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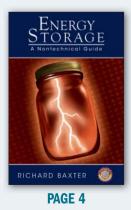
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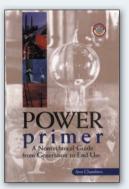


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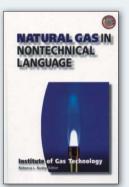


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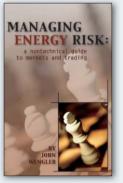




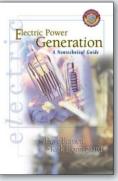
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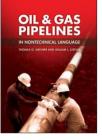




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Oil & Gas Pipelines in Nontechnical Language examines the processes, techniques, equipment, and facilities used to transport liquids such as refined products, crude oil, natural gas, and natural gas liquids through crosscountry pipelines. Topics include the importance of the pipeline infrastructure; planning, designing, constructing, operating, and maintaining pipelines; regulatory requirements; and the challenges for the future. Special emphasis is included on control and leak detection systems as well as emerging technologies and systems to ensure

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SUBSEA PIPELINE ENGINEERING.

2ND EDITION by Andrew C. Palmer and Roger A. King

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Subsea Pipeline Engineering was the first of its kind, written by two of the world's most respected authorities in subsea pipeline engineering. In the second edition, these industry veterans have updated their definitive reference book, covering the entire spectrum of subjects in the discipline, from route selection and planning to design, construction, installation, materials and corrosion, inspection, welding, repair, risk assessment, and applicable design codes and standards. Particular attention is also devoted to the important specialized subjects of hydraulics, strength, stability, fracture, upheaval, lateral buckling and decommissioning. The book is distilled from the authors' vast experience in the industry and their popular course on Subsea Pipeline Engineering.

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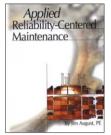
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APPLIED RELIABILITY-CENTERED MAINTENANCE by Jim August, PE

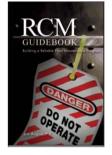
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Based on advanced maintenance models developed during FAA certification of 747 aircraft, reliability-centered maintenance (RCM) is used to control maintenance costs while improving reliability. Author Jim August tells how RCM makes sense for electric utilities that have been forced to control maintenance costs and improve reliability in the throes of conversion to retail competition.

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 MAINTENANCE PROGRAM

 by Jim August

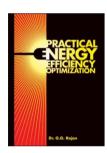
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 ISBN13 978-1-59370-007-2

Reliability-centered maintenance (RCM) is a risk management process that is objective, measurable, and systematic as it selects and performs effective preventive maintenance (PM) tasks. This text provides what readers really need -- guidance on how to keep PM development with RCM simple and understandable. This text will appeal to a range of readers, providing a nuts and bolts reference material on practical RCM use. August gives readers a step-by-step explanation of maintenance plan development. He begins with three primary utility requirements for maintenance optimization, and explains the roles of equipment templates, component failures, workscopes, practical implementation barriers, process considerations, data control, RCM standards, and software applications.

267 Pages/Hardcover/2004



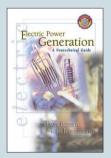
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This comprehensive book presents basic information for optimizing power plants. Whether at a major utility, or at an industrial facility, these formulas are proven to increase power plant efficiency. Review exercises and practical case studies provide real-world applications on maintaining optimal efficiency. Readers will learn the basics of optimization for an energy system, a sub system and equipment through usable case studies. Dr. Rajan offers guidance on how to increase productivity, profitability and performance through a wide range of industries – electric utilities, petroleum processing and petrochemical.

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Unlike more technical texts, this book explains in nontechnical language how power is created, using everyday examples and easy-to-understand illustrations. It opens with an explanation of how electricity is generated, then covers the planning and development of electric power stations, emphasizing modern considerations of merchant power plants, repowering, and the growth of gas turbine generation. The "facts" of generation are covered in part two—boilers, turbines, generators, hydro and pumped storage, and alternative generations sources, such as geothermal, tidal, solar, and wind. Maintenance and operations are covered in basic overview format. In addition, the authors cover specific features and fuel-types in nontechnical terms.

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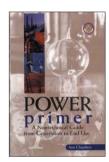
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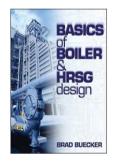
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Dr. Boyce provides an up-to-date reference covering all major aspects of design, operation, and maintenance. He includes technical details on sizing, plant layout, fuel selection, types of drives, and performance characteristics of all major components in a co-generation or combined-cycle power plant. Section 1 covers design, theory, and practice and Section 2 covers operation and maintenance.

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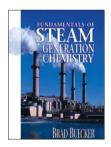


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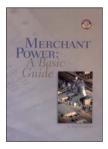


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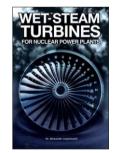
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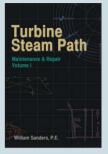
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Sanders examines the damage, deterioration, and failure mechanisms that occur with unfortunate consequences – and on some units, with monotonous regularity – within the turbine steam path and gives practical solutions for maintenance and repair. **Contents:**

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753 Pages/Hardcover/2001





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In the second volume of his four-book set, William P. Sanders turns his expert analysis to repair and refurbishment options currently accessible that will keep turbines operating with high levels of availability and improved efficiency. Also provided are details on estimating financial penalties associated with leakage from damaged turbines, which can reduce the cost of power. A full analysis of quality and inspection of manufactured elements to replace damaged components is included, as well. Readers will be able to identify the type and severity of any damage, suggest possible causes of damage, and indicate the most appropriate actions available.

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TURBINE STEAM PATH MECHANICAL DESIGN AND MANUFACTURE, VOLUME IIIB by William P. Sanders, P. Eng.

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The final book of Sanders' four-volume set on turbine steam paths, Sanders turns his focus to the details of design consideration for steam turbines. He relays all the information on mechanical design and function needed in evaluating turbine manufacturer, maintenance, and operation. This extensive work covers much of the technical material included in Sanders' seminar, Turbine Steam Path Engineering. This popular seminar has been developed over several years and presented to turbine engineers worldwide.

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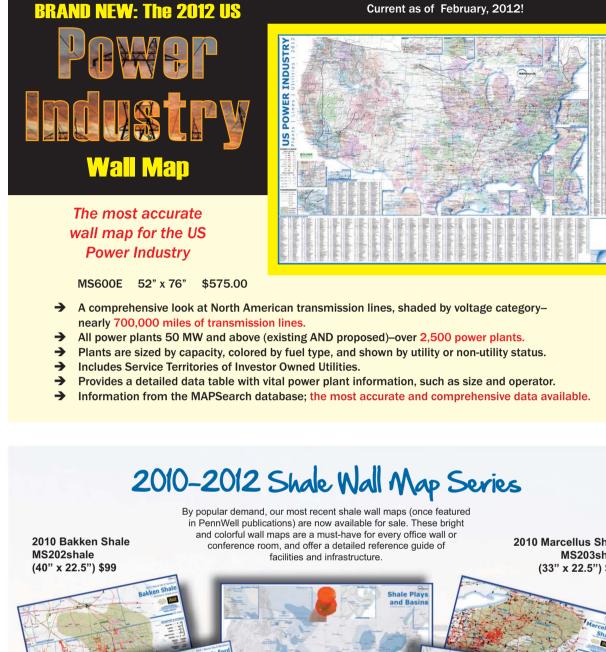
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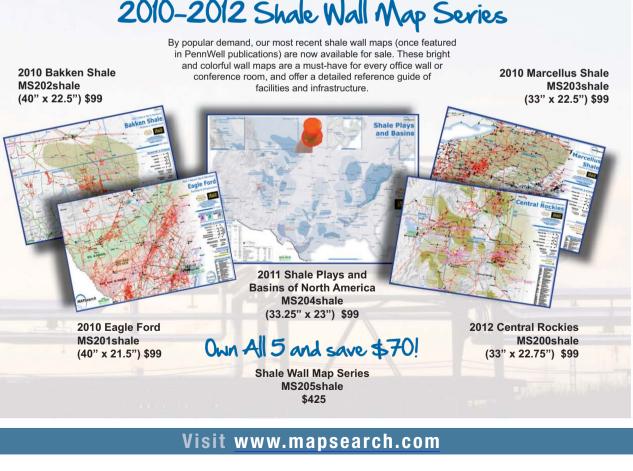
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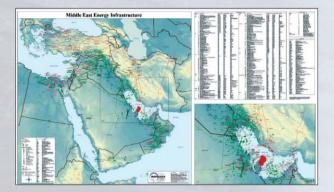


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This detailed reference map incorporates data, additions, and edits taken from current interim (petroleum and power officials in the area, as of February 2004).

Size: 40" x 66", scale: 1" = 69.75 miles/ 1 centimeter = 44.19 kilometers, February 2004.

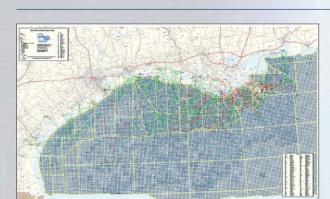
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GAS LIFT MANUAL

by Gabor Takacs, PhD

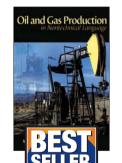
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Gas lifting can be used throughout the whole lifespan of an oil well: from the time it dies until its abandonment. The Gas Lift Manual is a thorough, handy reference that is essential to the practicing engineer needing to successfully perform this type of artificial lift project. In his manual, Takacs imparts more than 30 years experience and research in the artificial lift methods arena. He starts the manual with an introduction to gas lift, and then moves on to the various parts of the gas lift model, including analysis and troubleshooting, as well as, common gas lift malfunctions. This book will be particularly useful to those needing to research this technology, as the author has supplied extensive resource references to other literature sources.

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by George Stewart

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ESSENTIALS OF MODERN OPEN-HOLE LOG INTERPRETATION by John T. Dewan

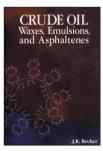
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This book presents modern log interpretation simply and concisely for the geologist, petrophysicist, reservoir engineer, and production engineer familiar with rock properties but inexperienced with logs. It helps specify good logging programs with up-to-date tools and interpret zones of interest with the latest techniques. It also familiarizes readers with computer-processed logs generated by the service companies at the wellsite and office.

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THE PROPERTIES OF PETROLEUM

FLUIDS, 2ND EDITION by William D. McCain, Jr.



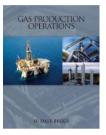
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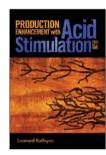
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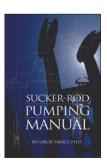


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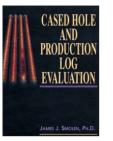








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CASED HOLE AND PRODUCTION

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\$129.00 us ISBN 0-87814-465-X ISBN13 978-0-87814-465-5

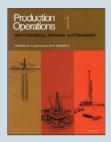


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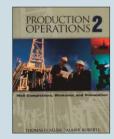
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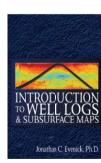
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INTRODUCTION TO WELL LOGS
AND SUBSURFACE MAPS
by Jonathan C. Evenick, Ph.D.

\$59.00 us ISBN 1-59370-138-1 ISBN13 978-1-59370-138-3

Subsurface mapping is a way to visualize various geologic and hydrologic features in any dimension from a 1-D cross section to a 4-D production map. All subsurface map types can be useful, but the key is to know what you are investigating and what map types are most appropriate. This book introduces different types of geophysical logs and subsurface maps that can be generated from basic well data, and subsurface problems that can be solved using geophysical logs and subsurface maps. "Hands-on" exercises reveal how each map type is generated and what applications they may have. Exercises at the end of each chapter introduce different types of wells and lithologies.

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Corrosion Scale Handbook **CORROSION & SCALE HANDBOOK** *by J.R. Becker*

\$89.00 us ISBN 0-87814-749-7 ISBN13 978-0-87814-749-6

Corrosion and scale in crude oil systems are two of the most costly problems facing oil companies, which go to great expense to effectively control the problems. Protection of equipment is critical to the profitability and successful operation of these companies. This book provides an understanding of corrosion and scale, their impact on petroleum companies, and potential solutions and inhibitors.

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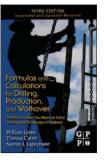






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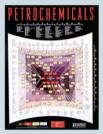
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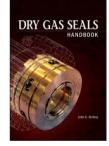
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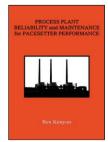
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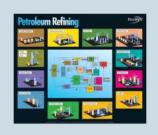
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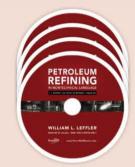


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DVD/March 2010/Run Time: 24:31 Minutes



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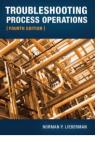
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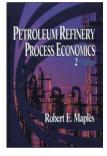
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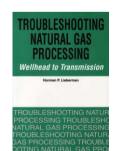
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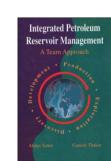


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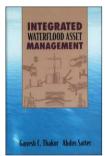
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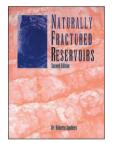
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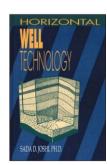
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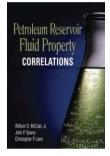
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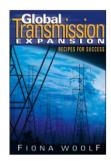
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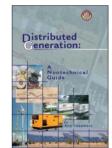
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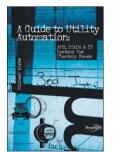
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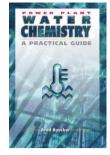
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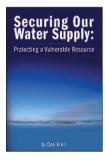
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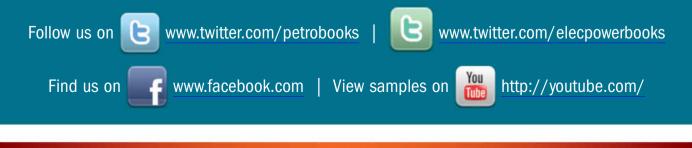
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