






The Latest Science & Engineering Handbooks available on Knovel.

Knovel New Titles Alert

-  [Search Knovel](#)
-  [Download Title List](#)
-  [Suggest New Titles](#)
-  [Subscribe to This Feed](#)
-  [Watch the Videos](#)

You are receiving this email as a registered subscriber of Knovel.

If you did not register yourself, you were registered on behalf of your subscribing organization. To unsubscribe or change your options, click [here](#)



Knovel Titles of the Week

Every week, we choose 2 popular titles from our collection of nearly 2000 leading handbooks, databases, and conference proceedings and make them available for 12 days.

View this week's featured titles [\[Here!\]](#)



Tech-Clarity Report: Engineering Reference Information in a PLM Strategy

As businesses plan for 2009, many are wondering how they are going to squeeze the most out of their budgets. Engineering organizations are giving a lot of attention to business process improvement and organizational design---where does enabling software technology to improve engineering productivity come into play?

[\[DOWNLOAD THE PAPER\]](#)

We're excited to announce the launch of a new subject area in Industrial Engineering and Operations Management. This new collection will provide subject matter expertise in the following areas: [Human Engineering and Ergonomics](#); [Project Management](#); [Six Sigma, Lean and Quality Management](#); [Supply Chain Management and Logistics](#); and [Systems Engineering](#).

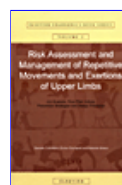
Included in this issue is a sampling of some of the new titles that are available in Industrial Engineering and Operations Management. For a first look at the new subject area and information on a special introductory discount, please visit <http://pages.knovel.com/IndustrialEngineering.html>.

New Titles in Human Engineering and Ergonomics



[Department of Energy Handbook - Human Factors/Ergonomics Handbook](#) US DEPARTMENT OF ENERGY © 2006

Provides Department of Energy (DOE) contractors with information that can be used to design equipment and maintenance programs to reduce human errors, accidents and injuries with maintenance activities. Provides human factors good practices for design of equipment, systems, subsystems, and facilities, including support facilities and equipment, as well as guidance for maintenance support equipment and procedures, maintenance aids, and maintenance programs.



[Risk Assessment and Management of Repetitive Movements and Exertions of Upper Limbs: Job Analysis, Ocra Risk Indices, Prevention Strategies and Design Principles](#)

Authored by Colombini, Daniela
ELSEVIER © 2002
ISBN: 978-0-08044080-4

In industrialized countries all working activities habitually requiring repetitive upper limb movements and exertions represent a potential risk for musculo-skeletal disorders of the upper limbs under certain conditions. This manual provides a solution to the problem of assessing and consequently managing these risks in conformity with EU legislation covering the safety and protection of workers' health.

New Titles In Project Management



[Building a Project-Driven Enterprise](#) Authored by Mascitelli, Ronald TECHNOLOGY PERSPECTIVES © 2002 ISBN: 978-0-966-26971-3

Describes breakthrough methods for eliminating non-value-added waste from any project. The goal is to enable you to apply practical methods the very next day to begin saving time and boosting profits. Loaded with tips, real-world examples, templates, and illustrations, this book will be your most valuable asset in achieving project efficiency and excellence.



[Engineering Economic Analysis \(10th Edition\)](#) Authored by Newnan, Donald G.; Lavelle, Jerome P.; Eschenbach, Ted G. OXFORD UNIVERSITY PRESS © 2009 ISBN: 978-0-195-33541-5

Offers comprehensive coverage of financial and economic decision-making for engineers, with an emphasis on problem solving, life-cycle costs, and the time value of money. Concise, accessible writing, practical emphasis, and contemporary examples linked to students' everyday lives, this text has become a popular teaching tool.



Get Instant Access to CCPS Books Wherever You Are

Today's challenges call for new, safer, and more efficient technologies. Companies looking to lead the charge are turning to their engineers to address these issues with fast, innovative solutions and expertise. CCPS is partnering with Knovel to offer member organizations and their employees online access to a collection of 60 essential guidelines and concept books

Find out more about subscribing to the full collection of CCPS guidelines on Knovel [\[HERE\]](#)



[Global Project Management Handbook - Planning, Organizing, Controlling International Projects \(2nd Edition\)](#)

Edited by: Cleland, David I.; Gareis, Roland
MCGRAW-HILL © 2006
ISBN: 978-0-071-46045-4

Shows readers step-by-step how Project Management concepts and techniques can be applied in various political, cultural, and geographical settings. Featuring 16 entirely new chapters, with all others thoroughly updated, this volume covers the full range of topics that are crucial to maintaining competitiveness in an increasingly global marketplace. Packed with additional charts, tables, figures and case histories from many different countries that demonstrate how PM can be successfully applied worldwide.



[Handbook of Project-Based Management - Leading Strategic Change in Organizations \(3rd Edition\)](#)

Authored by Turner, J. Rodney
MCGRAW-HILL © 2009
ISBN: 978-0-077-07656-6

The Handbook of Project-Based Management has been completely revised for a new generation of students and practitioners. The Third Edition now features a major change in focus from delivering corporate objectives to achieving strategic change, including embedding corporate change after a project is completed.



[Urban Construction Project Management](#)

Authored by Lambeck, Richard; Eschemuller, John
MCGRAW-HILL © 2008
ISBN: 978-0-071-54468-9

Provides a wealth of proven solutions to common problems of construction management in urban environments. Includes cutting-edge information about working on small sites, public safety, the permit process, coordinating with utility companies, dealing with adjacent properties, and many other topics. Includes guidance on testing, safety, logistics, building code compliance, scheduling and procurement, subcontractors and the bidding process, insurance and bonds, renovation and demolition, costs, claims, design-build, green construction and more.

New Titles In Six Sigma, Lean and Quality Management



[Design for Six Sigma- A Roadmap for Product Development \(2nd Edition\)](#)

Authored by Yang, Kai; El-Haik, Basem S
MCGRAW-HILL @ 2008
ISBN: 978-0-071-54468-9

From quality concepts and fundamentals to deployment, project algorithm and design validation, Design for Six Sigma gives you a solid understanding of the entire process for applying DFSS in the creation of successful new products and services. Packed with detailed illustrations, careful directions and comparisons and worked-out calculations, the Second Edition features: A one-stop resource for developing a sure-fire DFSS program, and expert walkthroughs that



[Implementing Six Sigma and Lean - A Practical Guide to Tools and Techniques](#)

Edited by Basu, Ron
ELSEVIER. @ 2009
ISBN: 978-1-856-17520-3

Covers the basics of how to manage for consistent high quality giving good coverage of both simple tools and advanced techniques which can be used in all businesses. Provides guidance on how to use these tools for different situations including new start-up companies, stalled projects and the constant achievement of high quality in well-established quality regimes. Includes Case Studies to encourage the reader to respond in a practical situations and provide a good learning resource for courses. There

engineering, software, IT, the service sector and beyond.



Developing Performance Indicators for Managing Maintenance (2nd Edition)
Authored by Wireman, Terry
INDUSTRIAL PRESS @ 2005
ISBN: 978-0-831-13184-5

Designed to provide the key details on how to measure and improve Equipment and Asset Maintenance Management. This book is distinguished by its use of techniques based on a variety of management measurement systems. This book is an invaluable tool for any company that wants to effectively measure and manage the entire spectrum of maintenance activities to help achieve competitive advantage. Such companies view maintenance as a way to reduce costs of producing their product or providing their services and are intent on using this cost advantage to lower prices, improve profit margins, and improve shareholder value.



Maintenance Planning, Scheduling and Coordination
Authored by By: Nyman, Don; Levitt, Joel
INDUSTRIAL PRESS @ 2001
ISBN: 978-0-831-13143-2

Focuses on and deals specifically with the preparatory tasks that lead to effective utilization and application of maintenance resources. It is a vital training document for planners, an educational document for those to whom planners are responsible, and a valuable guide for those who interface with the planning and scheduling function and are dependent upon the many contributions of planning and scheduling operational excellence.



Manufacturing Surface Technology - Surface Integrity & Functional Performance
Authored by Griffiths, Brian
ELSEVIER @ 2001
ISBN: 978-1-857-18029-9

The first title in the "Manufacturing Engineering Modular" series, the publication of this book marks recognition of the effect of surface finish obtained in manufacture ("surface integrity") on the functional performance of a product, in terms of such factors as fatigue, corrosion and strength. It is a concise work, intended chiefly for undergraduate and postgraduate students, which should also provide useful material for the professional manufacturing engineer.

examples.



Maintenance Management and Regulatory Compliance Strategies
Authored by Wireman, Terry
INDUSTRIAL PRESS @ 2003
ISBN: 978-0-831-13127-2

A unique reference designed to create an awareness as to how important an effective maintenance management strategy is to supporting the regulatory requirements faced by each company today. It highlights the regulatory agencies and their requirements in the context of how they impact the maintenance management function within a company. It begins with an overview of a comprehensive maintenance strategy, and in subsequent chapters it examines each of the main regulatory agencies and their requirements for the maintenance function within a company.



Managing Maintenance Shutdowns and Outages
Authored by Levitt, Joel.
INDUSTRIAL PRESS @ 2004
ISBN: 978-0-831-13173-9

Organizes the details of a maintenance shutdown into a manageable form by introducing all the steps needed for a successful shutdown or outage. Includes detailed steps for each phase, massive master lists of everything you will need to do for each phase of shutdown, and numerous checklists that can immediately be put to use. Loaded with examples from many industries and actual events, this book will be an extremely useful and practical guide for anyone working in a heavy maintenance environment.



Overall Equipment Effectiveness - A Powerful Production/Maintenance Tool for Increased Profits
Edited by Hansen, Robert C.
INDUSTRIAL PRESS @ 2002
ISBN: 978-0-831-13138-8

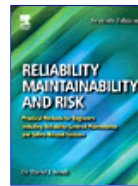
Centers on developing and measuring true Overall Equipment Effectiveness (OEE). True OEE correlates with factory output, provides a methodology to link OEE with net profits that can be used by reliability managers to build solid business cases for improvement projects, and draws on his own experience by presenting successful improvement applications in every chapter. Additionally, it will help practitioners better understand Total Productive Maintenance (TPM) and develop an effective foundation to

support Reliability-Centered Maintenance (RCM).



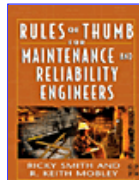
[Product Strategy for High-Technology Companies - Accelerating Your Business to Web Speed \(2nd Edition\)](#)
Authored by McGrath, Michael E.
MCGRAW HILL @ 2001
ISBN: 978-0-071-36246-7

Product strategy continues to be a key determinant of success for today's high-technology companies. This guide continues to be the only book on product strategy written specifically for the 21st century high-tech industry. More than 250 examples from technological leaders including IBM, Compaq, and Apple, plus a new focus on growth strategies and Internet businesses, define how high-tech companies can use product strategy and product platform strategy for competitiveness, profitability, and growth in the Internet Age.



[Reliability, Maintainability and Risk - Practical Methods for Engineers \(7th Edition\)](#)
Authored by Smith, David J.
ELSEVIER @ 2007
ISBN: 978-0-750-66694-7

A leading text for reliability and maintenance professionals, now in its seventh edition, the book has been updated to remain the first choice for professional engineers and students. The seventh edition incorporates new material on important topics including software failure, the latest safety legislation and standards and product liability, integrity of safety-related systems. It is also supported by new detailed case studies on reliability and risk in practice.



[Rules of Thumb for Maintenance and Reliability Engineers](#)
Authored by By: Smith, Ricky; Mobley, R. Keith
ELSEVIER @ 2005
ISBN: 978-0-750-67862-9

Focusing on predictive maintenance, this book is a convenient guide to best practices for maintaining machinery and systems assets. It is a handy collection of graphs, charts, calculations, tables, curves, and basic rules of thumb that any engineer working with equipment will need for basic maintenance and reliability of that equipment.



[Supportability Engineering Handbook - Implementation, Measurement, and Management](#)
Edited by Jones, James V.
MCGRAW-HILL @ 2007
ISBN: 978-0-071-47573-0

Engineers in both the commercial and military sectors can rely on the Supportability Engineering Handbook for complete support criteria that ensure the performance of products. This one-of-a-kind resource offers the latest supportability tools and methods for designing complex systems and shows readers how to create supportable design solutions through effective system architecting, system and design engineering, and integration.



[System Requirements Analysis](#)
Authored by Grady, Jeffrey O.
ELSEVIER @ 2006
ISBN: 978-0-120-88514-5

Gives the professional systems engineer the tools to set up a proper and effective analysis of what resources, schedules and parts will be needed in order to successfully undertake and complete any large, complex project. It is the most thorough, in-depth, book-length treatment of Systems Requirements Analysis ever offered and can be used for either self-instruction or in the classroom.

Questions or comments? [Email Us](#)

[Back to top](#)



www.knovel.com marketing@knovel.com

Knovel Corporation Copyright © 2008. [View our privacy policy.](#)

489 5th Ave • 9th Fl • New York, NY • 10017