

INDUSTRIAL ENERGY EFFICIENCY HANDBOOK

Kenneth E. Bannister, and Jane Alexander
2009 (February 2009) • Hardcover • 848 pages
ISBN-13: 978-0-07-149066-5

Industrial Energy Efficiency Handbook offers proven strategies to engineers charged with improving their plant's energy efficiency while increasing operational performance. You will learn how to reduce operating and maintenance costs, minimize waste, and increase production.

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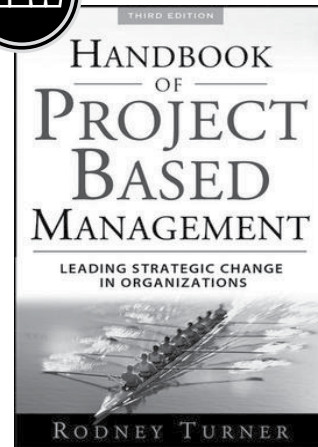
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QUALITY MANAGEMENT HANDBOOK

John Hradesky
2009 (December 2008) • Hardcover
ISBN-13: 978-0-07-140282-8

Quality Management Handbook provides an understanding of and guidance on the application of Quality Management principles. A total approach to quality engineering and management that guarantees success, quality management is multifaceted and affects so many aspects of an organization that embracing it piecemeal often leads to disaster. The answer is a complete, integrated approach! In Quality Management Handbook, you'll find a complete guide to quality management and engineering. Within these pages you'll find tips and techniques to deal with the processes by which quality is managed (planning, control, and improvement). This book not only explains quality management fundamentals clearly and concisely, it takes you well beyond the basics to provide the advanced techniques, specific information, and concrete examples you need to implement a quality program successfully and derive its full benefits.



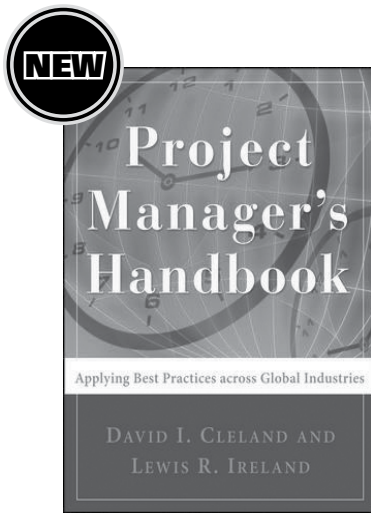
THE HANDBOOK OF PROJECT-BASED MANAGEMENT

3rd Edition
J. Rodney Turner
2009 (September 2008) • Hardcover • 576 pages
ISBN-13: 978-0-07-154974-5

One of the most influential books ever written on the development of project management, The Handbook of Project-Based Management has been completely revised for a new generation of students and practitioners. The 3rd 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.

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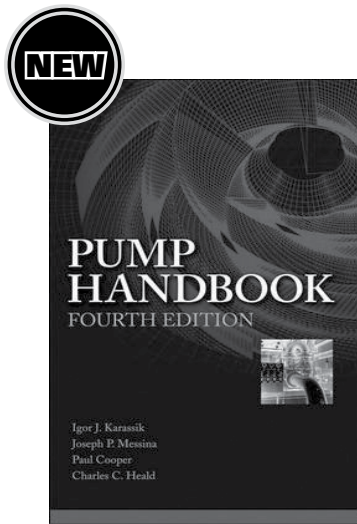
PROJECT MANAGER'S HANDBOOK

David L. Cleland, University Of Pittsburgh-Pittsburgh, and Lewis R. Ireland
2008 • Hardcover • 547 pages
ISBN-13: 978-0-07-148442-8

Project Manager's Handbook presents a wealth of detailed examples that show how project management (PM) is used to launch and manage projects in many different industries around the world. This reference takes a best-practices approach to PM that includes "challenges and solutions," "lessons learned," and "what might have been done differently" for each example. Written by a team of experts, the Handbook enables you to compare similarities and differences in PM practice from industry to industry and is sure to provide insights that may be essential to the success of your next project.

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PUMP HANDBOOK
4th Edition

Igor J. Karassik (deceased), Joseph P. Messina, Springfield, NJ, Paul Cooper, Ingersoll-Dresser Pumps, and Charles C. Heald, Lincolnville, ME
2008 • Hardcover • 1632 pages
ISBN-13: 978-0-07-146044-6

Long-established as the leading guide to pump design and application, the Pump Handbook has been fully revised and updated with the latest developments in pump technology. Packed with 1,150 detailed illustrations and written by a team of over 100 internationally renowned pump experts, this vital tool shows you how to select, purchase, install, operate, maintain, and troubleshoot cutting-edge pumps for all types of uses.

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MAINTENANCE ENGINEERING HANDBOOK

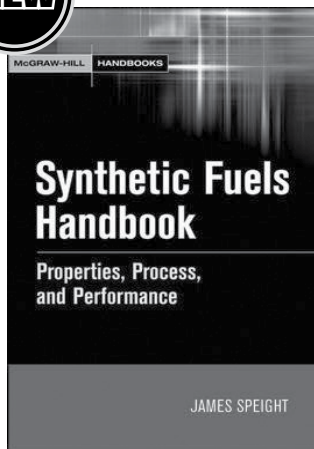
7th Edition
 Keith Mobley, Knoxville, TN, Lindley R. Higgins (deceased), and Darrin J. Wikoff
2008 • Hardcover • 1200 pages
ISBN-13: 978-0-07-154646-1

The most comprehensive resource of its kind, Maintenance Engineering Handbook has long been a staple for engineers, managers, and technicians seeking current advice on everything from tools and techniques to planning and scheduling. This brand-new edition brings you up to date on the most pertinent aspects of identifying and repairing faulty equipment; such dated subjects as sanitation and housekeeping have been removed.

Maintenance Engineering Handbook has been advising plant and facility professionals for more than 50 years.

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SYNTHETIC FUELS HANDBOOK

James Speight

2008 • Hardcover • 532 pages
ISBN-13: 978-0-07-149023-8

Capitalize on the Vast Potential of Alternative Energy Sources Such as Fuel Cells and Biofuels

Synthetic Fuels Handbook is a comprehensive guide to the benefits and trade-offs of numerous alternative fuels, presenting expert analyses of the different properties, processes, and performance characteristics of each fuel. It discusses the concept systems and technology involved in the production of fuels on both industrial and individual scales.

Written by internationally renowned fuels expert James G. Speight, this vital resource describes the production and properties of fuels from natural gas and natural gas hydrates...tar sand bitumen...coal...oil shale...synthesis gas...crops...wood sources...biomass...industrial and domestic waste...landfill gas...and much more.

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Landfill Gas
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WATER QUALITY CONTROL HANDBOOK

2nd Edition

E. Roberts Alley

2007 • Hardcover • 848 pages
ISBN-13: 978-0-07-146760-5

Wastewater treatment professionals can turn to the updated Second Edition of Water Quality Control Handbook for cutting-edge information on designing and operating systems used to treat wastewater from industrial and domestic sources. This state-of-the-art guide explores design innovations, equipment selection, treatment processes, new regulations, and operating methods for achieving peak performance in all kinds of wastewater treatment facilities.

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HANDBOOK OF ADHESIVES AND SEALANTS

2nd Edition

Edward M. Petrie, ABB Power T&D Co., Inc.

2007 • Hardcover • 800 pages
ISBN-13: 978-0-07-147916-5

The Handbook of Adhesives and Sealants, 2nd Edition is primarily written to assist all those who have a permanent or temporary interest in adhesives and sealants. For those new to the field, the Handbook will provide a fundamental knowledge base of materials and processes as well as reasons why they work and (more importantly) why they don't work. To the more experienced reader, the breadth and thoroughness of the Handbook will provide a way to reduce time spent on trial and error development or on searching for the optimal recommended process. For the academic, the Handbook will connect the important theories regarding surface science, polymeric materials, and mechanics with practical products and applications of commercial significance. This edition includes major new sections on radiation curable adhesive, biological and naturally occurring adhesives, inorganic adhesives, role of bulk properties of the adhesive, non-destructive testing, and industrial application methods. A completely new chapter is devoted to adhesives used in various industries such as automobile, electrical / electronic, construction, packaging, aerospace, household do-it-yourself, and medical.

RADIANT HEATING AND COOLING HANDBOOK

2nd Edition

Richard D Watson

2007 • Hardcover
ISBN-13: 978-0-07-148556-2

(Details not available at press time)

STRUCTURAL STEEL DESIGNER'S HANDBOOK

4th Edition

R L Brockenbrough

2006 • Hardcover • 800 pages • 400 illus
ISBN-13: 978-0-07-143218-4

» Wind and seismic loadings (ASCE 7), published as a standard by the American Society of Civil Engineers and adopted by International Code Council for building codes

» Latest bridge design specifications of the American Association of State Highway and Transportation Officials (AASHTO)

» American Institute of Steel Construction (AISC) for allowable strength design (ASD) and load and resistance factor design (LRFD) to be integrated into a unified specification for the first time and released in 2005

» International cold-formed steel unified design specifications from American Iron and Steel Institute (AISI) and the Canadian Standards Association (CSA) as a North American Standard for use in the United States, Canada, and Mexico.

» Less is more, as the new edition will closely focus on design coupled with a wide variety of codes and standards from numerous multinational agencies.

GLOBAL PROJECT MANAGEMENT HANDBOOK

David L. Cleland, University of Pittsburgh, and Roland Gareis, University of Vienna

2006 • Hardcover • 575 pages • 250 illus

ISBN-13: 978-0-07-146045-3

Contributors from 20+ nations reveal how current project management concepts and techniques can be successfully applied in different political, cultural, and geographical settings. Learn how project management is carried out in major countries such as Canada, China, Russia, Germany, France, England—and how these techniques can be applied globally.

» Case histories from around the world provide lessons on the international application of project management

» 16 completely new chapters including ones on the rebuilding of Iraq, project management in outsourcing initiatives, and developing multinational teams

McGRAW-HILL MACHINING AND METALWORKING HANDBOOK**3rd Edition***Denis Cormier***2006 • Hardcover • 1006 pages • 100 illus**
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Covering the latest equipment and technologies, this massive compendium has been an industry standard for more than a decade. This edition provides professionals with complete information on procedures, tools, standards, and equations.

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ENGINEERING PLASTICS HANDBOOK*James Margolis***2006 • Hardcover • 512 pages • 75 illus**
ISBN-13: 978-0-07-145767-5

Product Developers have found a wide array of application for thermoplastics in the automotive interior and exterior parts, business machines, medical, telecommunications equipment, microwaveable packaging, appliances, and specialty uses. However, finding a material that can meet consumer demands is no small task. While technological information is readily available regarding the general properties of common thermoplastic material, there is no single authoritative source for building and evaluating new product lines. Written by a top team of international experts, this book will focus only on new and emerging engineering resin property requirements, instead of properties of conventional engineering thermoplastics which are available from polymer producers and compounders. This book will incorporate important chemical, physical, mechanical and applications for engineering thermoplastic in one place, providing clear solutions to evaluate and compare existing product lines and with new and emerging products.

MAINTENANCE PLANNING AND SCHEDULING HANDBOOK**2nd Edition***Richard D Palmer, Jacksonville, FL***2006 • Hardcover • 544 pages • 50 illus**
ISBN-13: 978-0-07-145766-8

Informative and easy to use, the Maintenance Planning and Scheduling Handbook has reached "classic" status in professional maintenance circles. This nuts-and-bolts guide goes beyond theory to clearly show how routine maintenance planning techniques can decrease equipment failure and maximize equipment effectiveness. This new Second Edition is enhanced with new sections on position planning with Lean and Six Sigma concepts, Total Productive Maintenance (TPM), standard control scheduling, protecting the schedule against false emergencies, and new "cause maps" illustrating problems with priority systems and schedule compliance.

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Totally redesigned to meet today's mechanical design challenges, this classic handbook provides a practical overview of the complex principles and data associated with the design and control of dynamic mechanical systems.

» New Chapters on continuous control systems, digital control systems, and optical systems

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» Provides job-critical data on every major building code, including the IBC (International Building Code)—the world's most widely adopted building code

» Jargon-free explanations clarify complex codes

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**PROJECT MANAGER'S PORTABLE
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ISBN-13: 978-0-07-143774-5**

In Project Manager's Portable Handbook two of the world's most renowned project management specialists deliver the latest PM data and practice information. Perfect for managers on the go, this compact, quick-reference guide provides ready-to-use advice on conceptualizing, defining, designing, developing, and producing projects ... developing leadership ... planning and controlling resources ... motivating teams ... even closing out projects. With a wealth of tables, charts, and summaries, this is a tool project managers will put to work immediately. The Second Edition has been updated to include coverage of such essential topics as: Program Management, Team Leadership, Project Management Competency, Establishing Project Priorities, Project Portfolio Management, and Earned Value Management.

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McGraw-Hill Dictionary of Engineering

2nd Edition
Sybil P. Parker
2004 • Softcover • 608 pages
ISBN-13: 978-0-07-141050-2

An essential reference for all professional engineers, writers, and students, this comprehensive dictionary covers the terms and concepts used in the major engineering disciplines, such as chemical, civil, design, industrial, mechanical, mining, acoustics, petroleum, and systems engineering. The book includes 15,000 terms—each definition identified by the field in which it is primarily used. Readers will also find handy cross references, as well as an appendix with conversion tables and SI units.

CAM DESIGN HANDBOOK

Harold Rothbart
2004 • Hardcover • 606 pages • 300 illus
ISBN-13: 978-0-07-137757-7

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3rd Edition
Joseph Shigley
2004 • Hardcover • 1200 pages • 500 illus
ISBN-13: 978-0-07-144164-3

The definitive machine design handbook for mechanical engineers, product designers, project engineers, design engineers, and manufacturing engineers covers every aspect of machine construction and operation. The 3rd edition of the Standard Handbook of Machine Design will be redesigned to meet the challenges of a new mechanical engineering age. In addition to adding chapters on structural plastics and adhesives, which are replacing the old nuts bolts and fasteners in design, the author will also update and streamline the remaining chapters.

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