

McGraw-Hill Fall 2008

TECHNICAL



## TELEPHONE PROJECTS FOR THE EVIL GENIUS

Tom Petruzzellis

*Telephone Projects for the Evil Genius* contains 40 projects for both wire-connected phones and cell phones that save money, optimize time, and improve the quality of life. The book explains projects in a step-by-step manner, providing lists of parts, detailed schematics, charts, and tables to simplify the process. Best-selling electronics author Tom Petruzzellis starts with a discussion of the history and background of the land-line telephone and the development of the cell phone and then presents projects, ranging from simple to complex.

- The book is filled with practical time- and money-saving projects

**Tom Petruzzellis** (Vestal, NY) is an electronics engineer in the geophysical field equipment department at SUNY-Binghamton and the author of numerous McGraw-Hill bestsellers, including *Electronic Sensors for the Evil Genius* (0-07-147036-0).

### OCTOBER

McGraw-Hill • TAB Electronics

Paperback • 8½ × 10⅞ • 264 pp

ISBN-13: 978-0-07-154844-1

ISBN-10/MHID: 0-07-154844-0

\$24.95

150 illustrations • Rights: World



## 50 GREEN PROJECTS FOR THE EVIL GENIUS

Jamil Shariff

*50 Green Projects for the Evil Genius* offers students, hobbyists, and architects environmentally focused projects. Filled with over 100 detailed illustrations, the book presents practical projects that can be built, assembled, or installed by the non-specialist. This challenging resource features projects covering a water battery with instruction for building, a worm compost bin, an anaerobic digester for food and yard waste, and much more. The reference also contains a full plan, guidance on materials, and reference sources for each of the 50 projects plus coupons for full project kits from third parties.

- The author is well-connected in the green, energy, and architectural communities
- The book includes 50 challenging projects in biology, physics, architecture, and more

**Jamil Shariff** (Edmonton, Canada) is currently the deputy editor of Off-grid.net, a website that focuses on renewable energy technologies.

### DECEMBER

McGraw-Hill • TAB Science

Paperback • 8½ × 10⅞ • 288 pp

ISBN-13: 978-0-07-154959-2

ISBN-10/MHID: 0-154959-5

\$24.95

100 illustrations • Rights: World

## 46 SCIENCE FAIR PROJECTS FOR THE EVIL GENIUS

Bob Bonnet and Dan Keen

This new addition to the Evil Genius series brings creative new projects to middle- and high-school students and hobbyists everywhere. The collection features challenging projects, each of which begins with a hypothesis, includes a list of necessary parts and tools, and follows standard Science Fair requirements, allowing readers to create and customize their own unique projects. Included are projects such as training a house plant to be awake at night, discovering if temperature affects the chirping of crickets, and much more!

- Written by two recognized leaders in the Science Fair and teaching fields
- Uses parts and tools that can be found around the house, or bought for minimal cost

**Bob Bonnet** and **Dan Keen** (both of Cape May Court House, NJ) are experienced science teachers and co-authors of many successful books on Science Fair projects.



### SEPTEMBER

McGraw-Hill • TAB Science

Paperback • 8½ × 10⅞ • 240 pp

ISBN-13: 978-0-07-160027-9

ISBN-10/MHID: 0-07-160027-2

\$19.95

100 illustrations • Rights: World

## HOW TO INVENT

A Guide for Technologists, Innovators, and Engineers

Eugene Shteyn

*How to Invent* equips inventors, technology professionals, R&D managers, and engineers with a set of powerful technical tools and innovation models that will help them gain a sustainable market advantage. Using practical examples of how successful, high-tech inventions are made, the book leads innovative hobbyists away from a “hit or miss” approach to a systematic exploration of technical opportunities. This book not only teaches how to follow key technology evolution trends, but it also explains ways to create business growth opportunities by proactively discovering and solving high-value problems.

- Eugene Shteyn is a well-known inventor who holds 21 patents in software architecture, digital entertainment, and other fields
- Features case studies from digital music, computing, and medical device industries

**Eugene Shteyn** (Cupertino, CA) is a Director, Intellectual Property and Standards, at Hewlett-Packard in Palo Alto, California.



### DECEMBER

McGraw-Hill • TAB Science

Paperback • 7⅞ × 9¼ • 300 pp

ISBN-13: 978-0-07-159809-5

ISBN-10/MHID: 0-07-159809-X

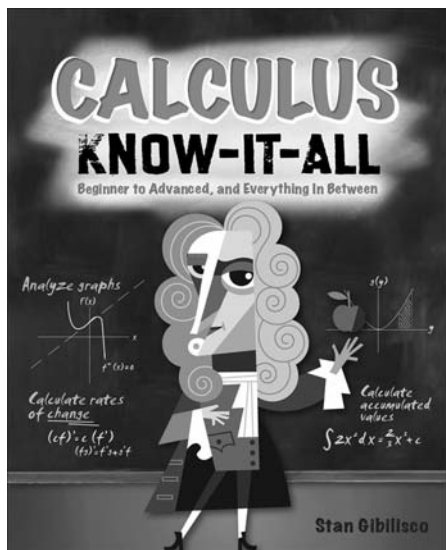
\$19.95

50 illustrations • Rights: World

# CALCULUS KNOW-IT-ALL

Beginner to Advanced, and Everything In Between

Stan Gibilisco



**A complete, self-taught course in analysis and mathematics that enables students to improve their math skills**

An ideal self-learning tool for middle- and high-school students, *Calculus Know-It-ALL* uses a reader-friendly tone and slow-paced presentation to teach all aspects of calculus. Featuring the proven pedagogy that has made Stan Gibilisco's McGraw-Hill titles so successful, the book presents easy-to-understand concepts, extensively explained exercises, multiple-choice questions & answers, and abundant self-test questions.

Filled with over 250 illustrations, this great educational resource takes students step-by-step through the concept of a set and its relevance to mathematics, set notation and operations, the difference between a rational number and a real number, imaginary and complex numbers, and proving theorems by mathematical induction. Readers will also learn how to add, subtract, and multiply complex numbers, add finite and infinite series, master techniques of differentiation and integration, and more.

- Stan Gibilisco is one of McGraw-Hill's most successful authors
- The book offers the comprehensiveness of a major text without the high price or the need for a classroom and teacher

**Stan Gibilisco** (Deadwood, SD) has written over 30 books, including *Teach Yourself Electricity and Electronics, 4e* (0-07-145933-2) and *Mastering Technical Math, 2/E* (0-07-024828-1).

## DECEMBER

McGraw-Hill • TAB Mathematics

Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 650 pp

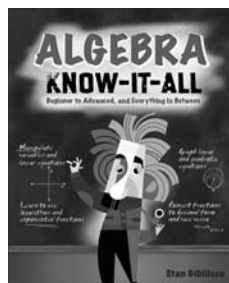
ISBN-13: 978-0-07-154931-8

ISBN-10/MHID: 0-07-154931-5

\$29.95

250 illustrations

Rights: World



## ALGEBRA KNOW-IT-ALL

Beginner to Advanced, and

Everything in Between

Stan Gibilisco

Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 650 pp

978-0-07-154617-1 • 0-07-154617-0

\$29.95

250 illustrations

SECOND EDITION

# HIGH-POWER AUDIO AMPLIFIER CONSTRUCTION MANUAL

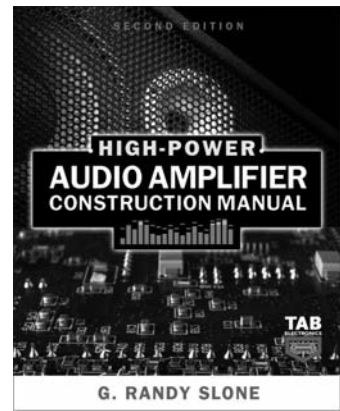
G. Randy Slone

*High-Power Audio Amplifier Construction Manual* has been completely updated to equip audiophiles with everything they need to know about audio construction—without the complicated math and engineering concepts. The Second Edition now includes the latest audio technologies and research information, plus all the necessary schematics needed to build a dozen or more new amplifier projects.

This hands-on resource ranges from the basics of audio power amplifiers to the construction of high-performance amplifiers to diagnostic equipment and testing procedures.

- The First Edition was a critical and popular success
- The author will help sales by selling kits related to the book

**G. Randy Slone** (Weeksburry, KY) is an electrical engineer with nearly three decades of experience in data processing and industrial electronics.



## DECEMBER

McGraw-Hill • TAB Electronics

Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 464 pp

ISBN-13: 978-0-07-159925-2

ISBN-10/MHID: 0-07-159925-8

\$39.95

Previous ISBNs: 1999

978-0-07-134119-6 • 0-07-134119-6

100 illustrations • Rights: World

# RUN YOUR DIESEL VEHICLE ON BIOFUELS

A Do-It-Yourself Manual

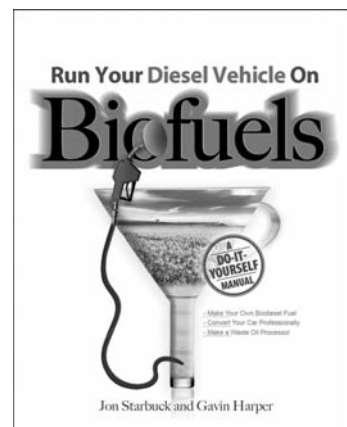
Jon Starbuck and Gavin D. J. Harper

*Run Your Diesel Vehicle on Biofuels* shows environmentally-conscious do-it-yourselfers and car hobbyists how to run their automobiles on a carbon-neutral fuel, which, in many cases, can be obtained for free. The book explains the basics of converting vegetable oils to biodiesel, describes how to build and properly use a home-made biodiesel reactor, and demonstrates how to run a vehicle on waste vegetable oil available at no cost from many fast food outlets. Filled with over 150 detailed illustrations, this cutting-edge resource presents money-saving projects on collecting waste oil, making your own biodiesel fuel, converting your car professionally, and more.

- Alternative fuels are receiving media attention thanks to Al Gore

**Jon Starbuck** (Machynlleth, Wales) has written web sites and taught courses on the subject of vegetable oil and biodiesel.

**Gavin D. J. Harper** (Essex, UK) is the author of McGraw-Hill's *Solar Energy Projects for the Evil Genius* (0-07-147772-1) and other project books.



## NOVEMBER

McGraw-Hill • TAB Transportation

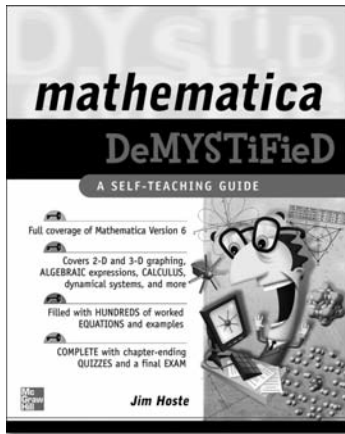
Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 288 pp

ISBN-13: 978-0-07-160043-9

ISBN-10/MHID: 0-07-160043-4

\$24.95

150 illustrations • Rights: World



## MATHEMATICA DEMYSTIFIED

Jim Hoste

Mathematica, produced by Wolfram Research, is one of the most successful and widely used software packages for scientists, mathematicians, engineers, students and instructors for doing all sorts of mathematical computations and programming. This book will teach beginners how to use Mathematica and acquaint veteran users with the new Version 6, which is a significant upgrade from the previous version. *Mathematica Demystified* includes hundreds of examples plus end-of-chapter quizzes and a final exam.

- There are currently more than two million Mathematica license holders

**Jim Hoste, Ph.D.**, (Claremont, CA) is a professor at Pitzer College, and a member of the Mathematical Sciences Research Institute. He's been an associate editor of the *Journal of Knot Theory and Its Ramifications* since 1991, and has authored dozens of research publications.

### OCTOBER

McGraw-Hill • *Mathematics*

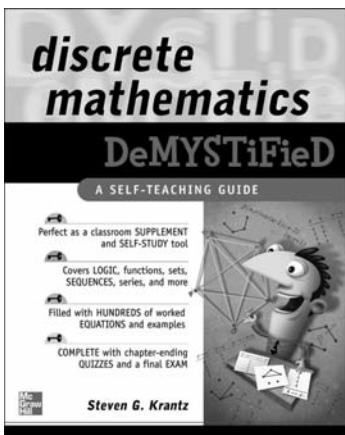
Paperback •  $7\frac{3}{8} \times 9\frac{1}{4}$  • 320 pp

ISBN-13: 978-0-07-159144-7

ISBN-10/MHID: 0-07-159144-3

\$24.95

125 illustrations • Rights: World



## DISCRETE MATHEMATICS DEMYSTIFIED

Steven G. Krantz

Written by distinguished math professor Steven Krantz, this easy-to-follow guide explains this complex topic in an effective and enlightening way. Readers will learn about logic, functions, sets, sequences, series, and much more. Packed with hundreds of worked equations and examples, concise explanations, quizzes, and a final exam, this is the perfect classroom supplement and self-study tool. No other book combines the accessibility and broad range of mathematical topics found here.

- Approximately 100,000 students enroll in Discrete Mathematics courses annually

**Steven G. Krantz** (Palo Alto, CA) is a professor of mathematics and deputy director at the American Institute of Mathematics. He is the author of *Calculus Demystified* (978-0-07-139308-9) and *Differential Equations Demystified* (978-0-07-144025-7).

### DECEMBER

McGraw-Hill • *Mathematics*

Paperback •  $7\frac{3}{8} \times 9\frac{1}{4}$  • 350 pp

ISBN-13: 978-0-07-154948-6

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## SPEIGHT: SYNTHETIC FUELS HANDBOOK

Hardcover • \$125.00

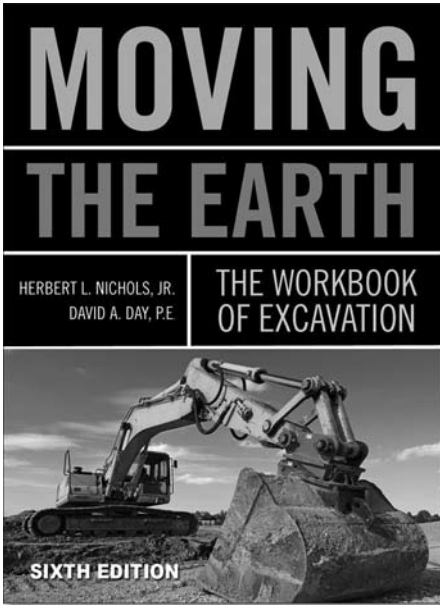
978-0-07-149023-8 • 0-07-149023-X

SIXTH EDITION

# MOVING THE EARTH

The Workbook of Excavation

Herbert L. Nichols, Jr. and David A. Day



***The definitive guide to excavation practice, updated with the latest requirements and regulations***

A vital working tool for engineers, contractors, and equipment operators, the Sixth Edition of *Moving the Earth* provides hands-on information about all current excavation practices and regulations. The book covers the latest excavation techniques, machines and their operation, problems that arise in excavation work, the application of different types of equipment, as well as costs and management.

From site preparation to blasting and tunneling, from pneumatic drills to the largest power shovels, this comprehensive, step-by-step reference explains every kind of excavating project, together with guidance on optimizing the machines and vehicles involved.

- New to this edition: use of both Metric and US Customary units; new material on trenchless excavation methods; new applications of horizontal directional drilling and micro tunneling; new OSHA excavation safety standards; new international codes and developments

**Herbert L. Nichols, Jr.**, (Roswell, GA) is a private excavation consultant and the author of *Excavator Operation and Heavy Equipment Repair*. **David A. Day, P.E.**, (Centennial, CO) is a consultant with ABCO Engineering Corporation.

#### Related McGraw-Hill Title:

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Day: *Foundation Engineering Handbook*  
Softcover • \$34.95  
978-0-07-125274-4 • 0-07-125274-6 [IE]

**DECEMBER**

McGraw-Hill

*Civil Engineering/Construction Engineering*Hardcover • 7<sup>1</sup>/<sub>8</sub> × 9<sup>3</sup>/<sub>8</sub> • 1280 pp**ISBN-13: 978-0-07-150267-2****ISBN-10/MHID: 0-07-150267-X****\$125.00**

Previous ISBNs: 2005

978-0-07-143058-6 • 0-07-143058-X

800 illustrations

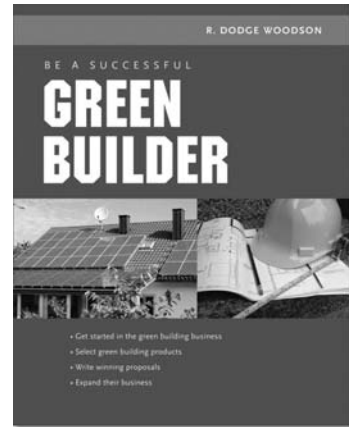
Rights: World

## BE A SUCCESSFUL GREEN BUILDER

R. Dodge Woodson

*Be a Successful Green Builder* shows building professionals how to incorporate sustainable practices into their business operations—and boost their bottom lines at the same time. Written by successful contractor and bestselling author R. Dodge Woodson, the book explains everything from getting started in the green building business to mastering green terminology to making money with green methods.

- A plain-English green guide for a wide range of building professionals
- R. Dodge Woodson is a bestselling McGraw-Hill author who is well-known in the building community
- Investors and developers are using environmentally friendly techniques to reduce the impact of housing on natural areas, while increasing profitability



### SEPTEMBER

McGraw-Hill • *Construction*

Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 352 pp

ISBN-13: 978-0-07-159261-1

ISBN-10/MHID: 0-07-159261-X

\$34.95

75 illustrations • Rights: World

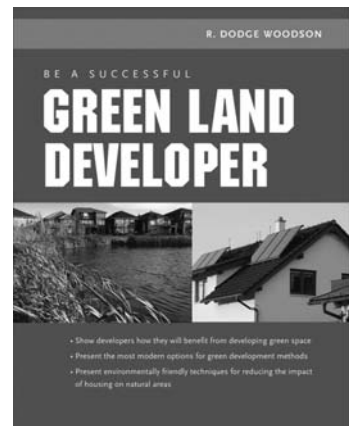
## BE A SUCCESSFUL GREEN LAND DEVELOPER

R. Dodge Woodson

Practical and easy-to-read, *Be a Successful Green Land Developer* shows developers and general contractors all the modern options for green land development that sustain the environment, while increasing sales and improving their bottom line. The book explains the benefits of developing green space, presenting environmentally friendly techniques for reducing the impact of housing on natural areas. This how-to guide includes advice on putting together a strong development team, working with real estate brokers, finding lenders and investors, and locating suitable development property.

- Shows how to make a substantial profit from green land development

**R. Dodge Woodson** (Brunswick, ME) is the author of numerous McGraw-Hill titles, including *Be a Successful Building Contractor, Third Edition* (0-07-144174-3).



### NOVEMBER

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Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 352 pp

ISBN-13: 978-0-07-159259-8

ISBN-10/MHID: 0-07-159259-8

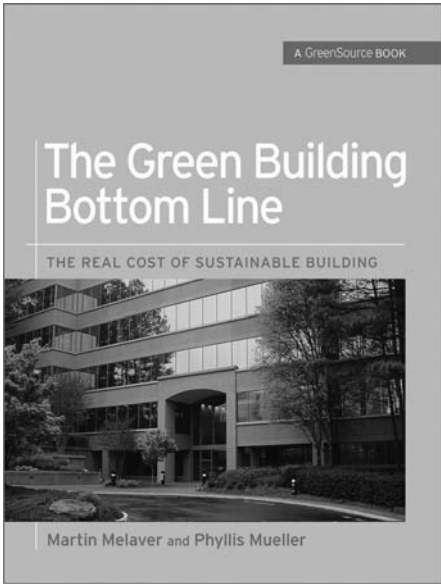
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75 illustrations • Rights: World

# THE GREEN BUILDING BOTTOM LINE

The Real Cost of Sustainable Building

Martin Melaver and Phyllis Mueller



## NOVEMBER

McGraw-Hill • *Construction*

Hardcover • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 352 pp

ISBN-13: 978-0-07-159921-4

ISBN-10/MHID: 0-07-159921-5

**\$69.95**

40 illustrations

Rights: World

## **Real-world case studies teach how to build to LEED standards**

*The Green Building Bottom Line* chronicles building projects designed to meet LEED codes, from planning to completion, to provide the reader with actual costs and personal experiences of the building professionals involved.

Every aspect is covered, from the economic values of “green” building to original investment decisions to design and construction. Readers will learn how to secure favorable financing; coordinate with architects, general contractors, and subcontractors; create a marketing plan for their project; and negotiate the “green” elements of a lease with prospective tenants. Legal issues involved in building to LEED standards are also covered.

Case studies range from the renovation of a National Historic Register property to the country’s first all-retail LEED core and shell project. This candid, behind-the-scenes look at building “green” reveals a wealth of valuable facts and insight readers will find nowhere else.

- Market: architects (129,000); construction managers (431,000); general contractors (247,000); property and real estate managers (361,000)
- Provides real “green” building costs from actual projects

**Martin Melaver, LEED AP** (Savannah, GA) is CEO of Melaver, Inc., a firm that develops, acquires, owns, and brokers commercial and residential real estate.

**Phyllis Mueller** (Decatur, GA) is an experienced editor and writer in the field of construction and environmental issues.

## Related McGraw-Hill Title:

Civitello: Construction Operations Manual of Policies, 4e  
Hardcover • \$100.00

978-0-07-143219-1 • 0-07-143219-1

## BLUEPRINT READING

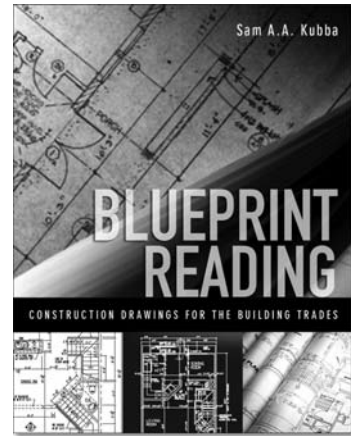
Construction Drawings for the Building Trades

Sam A.A. Kubba

Authoritative and easy-to-use, *Blueprint Reading* is a step-by-step guide to reading and interpreting construction drawings for contractors, construction managers, and other building professionals. This expert resource offers a complete overview of construction drawing basics for every aspect of the construction process—from site work, foundations, and structural systems to interior work and finishes. Incorporating all the latest technological advances, this vital construction tool explains blueprint standards, computer-aided design, sections, elevations, schedules, site plans, architectural plans, and much more.

- Will appeal to a huge audience of construction professionals
- Kubba is a well-known architect and author who has appeared on major TV and radio talk shows, including BBC World Service, CNN, and CNBC

**Sam A.A. Kubba, Ph.D.**, (Herndon, VA) is an award-winning architect and the author of *Mesopotamian Furniture* and McGraw-Hill's *Space Planning for Commercial and Residential Interiors* (0-07-138191-0).



### OCTOBER

McGraw-Hill • *Construction*

Paperback • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 368 pp

ISBN-13: 978-0-07-154986-8

ISBN-10/MHID: 0-07-154986-2

\$49.95

350 illustrations • Rights: World

## URBAN CONSTRUCTION PROJECT MANAGEMENT

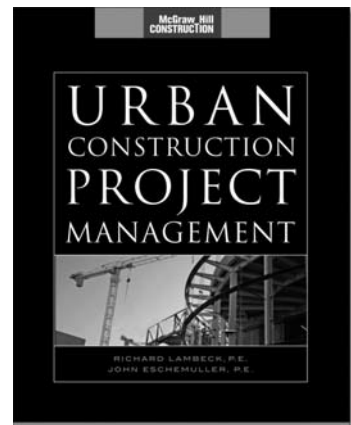
Richard Lambeck and John Eschemuller

This book offers a wealth of solutions to the common problems of construction management in urban environments, including working on small sites, public safety, the permit process, coordinating with utility companies, and dealing with adjacent properties. It uses numerous illustrations, photos, charts, tables, and diagrams to clarify the critical issues involved in urban construction projects.

- The authors are both established figures in the urban construction field
- The book will help contractors keep projects on time and within budget
- Includes handy checklists and forms

**Richard Lambeck, P.E.** (New York, NY) is the principal of RL Project Management, Inc., and also a Clinical Assistant Professor of Construction Management at NYU's Real Estate Institute.

**John Eschemuller, P.E.** (New York, NY) is president of John Eschemuller Consulting Services Ltd., as well as a Clinical Assistant Professor at NYU's Real Estate Institute.



### DECEMBER

McGraw-Hill

*Construction/Project Management*

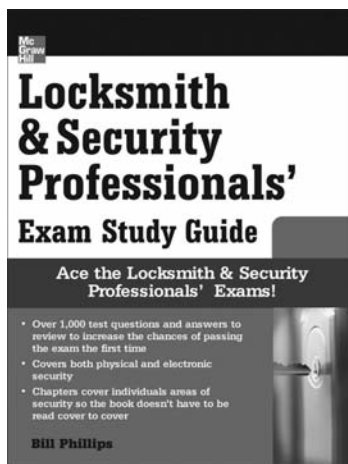
Hardcover • 7<sup>3</sup>/<sub>8</sub> × 9<sup>1</sup>/<sub>4</sub> • 512 pp

ISBN-13: 978-0-07-154468-9

ISBN-10/MHID: 0-07-154468-2

\$79.95

300 illustrations • Rights: World



## NOVEMBER

McGraw-Hill • *Technical Trades*

Paperback • 8½ × 11 • 400 pp

ISBN-13: 978-0-07-154981-3

ISBN-10/MHID: 0-07-154981-1

\$39.95

50 illustrations • Rights: World

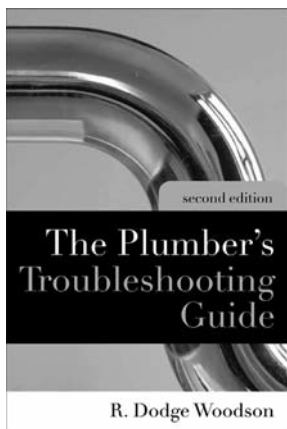
## LOCKSMITH & SECURITY PROFESSIONALS' EXAM STUDY GUIDE

Bill Phillips

*Locksmith and Security Professionals' Exam Study Guide* contains over 1,000 exam-like questions and answers to help protection officers, locksmiths, police officers and detectives, and alarm and safe technicians to prepare for security certification exams. The book includes multiple-choice, true-false, and fill-in-the-blank questions and answers, sample tests for the registered professional locksmith (RPL) and registered security professional (RSP) exams and more.

- Bill Phillips is a renowned security expert and bestselling McGraw-Hill author
- Ten to twenty thousand individuals take security-related exams each year

**Bill Phillips** (Erie, PA) is president of the International Association of Home Safety and Security Professionals and author of twelve security-related books, including McGraw-Hill's *The Complete Book of Locks and Locksmithing, Sixth Edition* (0-07-144829-2).



SECOND EDITION

## THE PLUMBER'S TROUBLESHOOTING GUIDE

R. Dodge Woodson

Novice and veteran plumbers alike can rely on the Second Edition of *The Plumber's Troubleshooting Guide* for proven solutions to common (and uncommon) plumbing problems. From servicing toilets, sinks, and showers to repairing specialty fixtures, this updated resource uses numerous photographs, line drawings, and charts to illustrate the easiest, most effective troubleshooting techniques—presenting timely information on new equipment, materials, and working procedures.

- New to this edition: new sections on sensor flushing devices and water conservation; new handicap specifications, materials, and applications; pressure-balanced and temperature-balanced valves; expanded coverage of faucets, valves, and tub wastes; new technologies for the latest spas and whirlpools; hand-free sensor faucet materials and methods; new ADA rules

**R. Dodge Woodson** (Brunswick, Maine) is a Master Plumber and Master Gasfitter with over 30 years in the plumbing business.

## OCTOBER

McGraw-Hill • *Construction/Plumbing*

Paperback • 6 × 9 • 392 pp

ISBN-13: 978-0-07-160090-3

ISBN-10/MHID: 0-07-160090-6

\$49.95

Previous ISBNs: 1994

978-0-07-071777-0 • 0-07-071777-X

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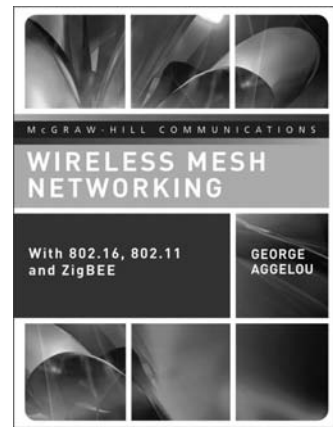
George Aggelou

*Wireless Mesh Networks* use WiFi, WiMAX, and ZigBEE to create huge, freestanding wireless broadband access zones. Written by a global team of wireless experts from both industry and academia, this hands-on guide equips communications engineers with everything they need to build and operate these in-demand networks.

Using a tutorial structure that covers all phases of network operation, the book provides a complete roadmap to wireless mesh networks, detailing basic principles and protocols and unpacking the key standards.

- George Aggelou is a renowned pioneer in wireless networking
- Written by a global team of wireless mesh network experts
- Wireless mesh networks are in development in cities all over the world

**George Aggelou, Ph.D.** (Athens, Greece) is a professor of electronic engineering at the Institute of Technology, Greece.



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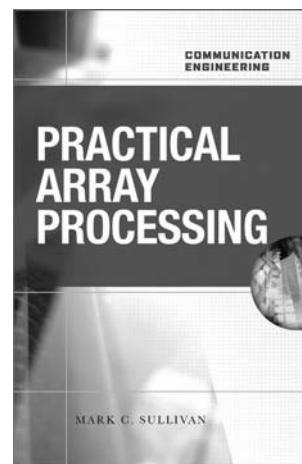
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**Dr. Mark Sullivan** (Annadale, VA) is the chief scientist with Azure Summit Technologies, Inc. He is also the author of fourteen patents in the areas of smart antennas, GPS receivers, and emitter geolocation.



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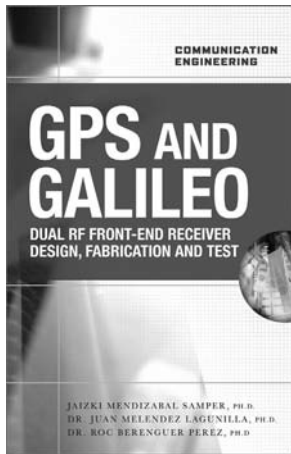
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**Dr. Jaizki Mendizabal** (San Sebastian, Spain) is a RF-IC designer for the RFIC research group at FhG-IISA, Germany. **Dr. Juan Meléndez** (San Sebastian, Spain) is assistant professor of Laboratory of Electronic Components and Electromagnetic Compatibility in TECNUN. **Dr. Roc Berenguer** (San Sebastian, Spain) is an Associated Researcher at CEIT.

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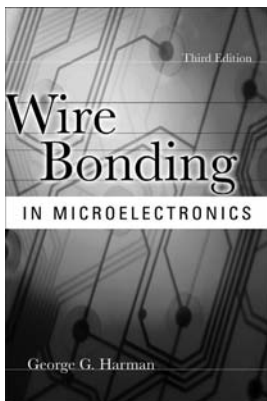
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**George G. Harman** (Bethesda, MD) is a Fellow of the National Institute of Standards and Technology's Semiconductor Electronics Division.

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**Bob Chomycz** (Ontario, Canada) is the founder and president of Telecom Engineering, Inc. He is the author of McGraw-Hill's *Fiber Optic Installer's Field Manual* (0-07-135604-5).



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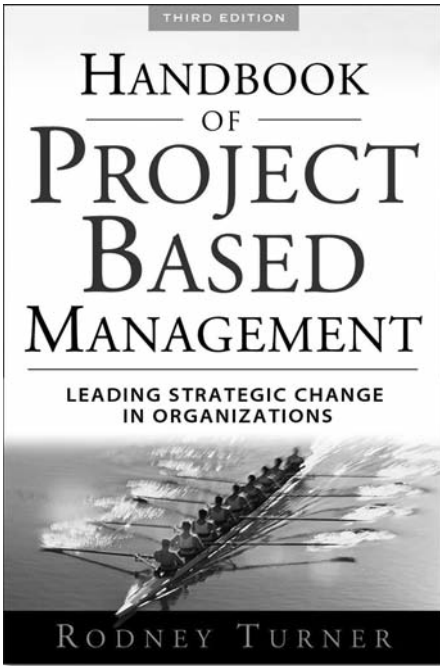
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**Rodney Turner** (Surrey, UK) is a Director of EuroProjex, The European Centre for Project Excellence Limited. He also teaches project management at Erasmus University, Rotterdam, and at Henley Management College.

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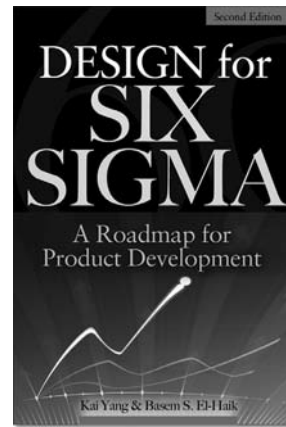
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**Kai Yang, Ph.D.**, (Detroit, Michigan) is an associate professor of Industrial and Manufacturing Engineering at Wayne State University in Detroit. **Basem S. El-Haik, Ph.D.**, (Detroit, MI) is director of Enterprise Excellence.

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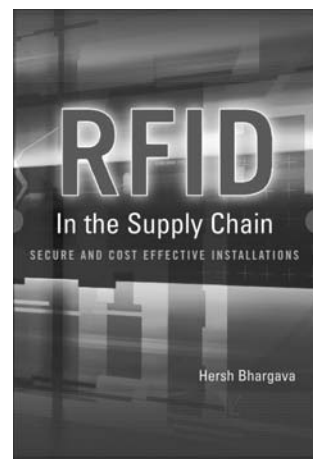
Hersh Bhargava

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- The author is an active participant in EPCglobal, which formulates RFID standards
- The book explains all RFID components and security and covers the latest EPC Network Standards

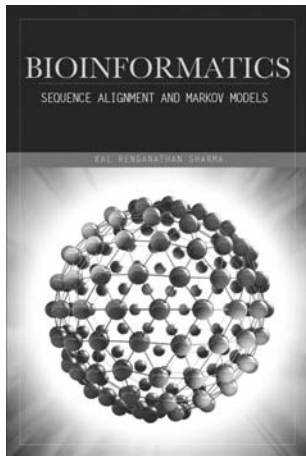
**Hersh Bhargava** (Sunnyvale, CA) is co-author of a book on RFID security. He has also participated in the standards development of EPCIS (Electronic Product Code Information Sharing) at EPCglobal.

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**Kal Renganathan Sharma, P.E., Ph.D.**, (Prairie View, Texas) is an adjunct professor in the college of engineering at Prairie View A&M University.



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**Y. Richard Kim, Ph.D., P.E.** (Raleigh, NC) is a member of the department of civil engineering at North Carolina State University in Raleigh, North Carolina.

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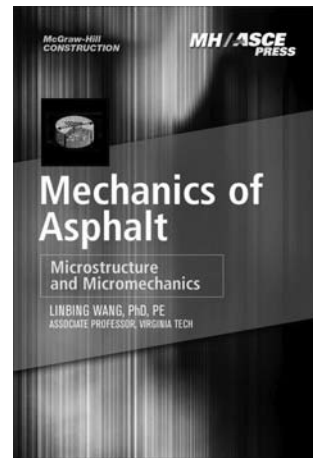
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**Linbing Wang, Ph.D., P.E.**, (Blacksburg, VA) is a leading researcher on asphalt mechanics.



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**Guy Dore, Ph.D., P.E.** (Quebec, Canada) is professor of civil engineering at Laval University in Quebec, Canada.

**Hannele K. Zubeck, Ph.D., P.E.** (Anchorage, Alaska) is professor of civil engineering at the University of Alaska in Anchorage.



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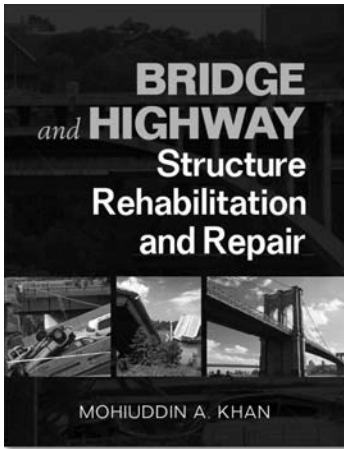
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- Bridge and highway repair has received lots of media attention in the wake of the recent Minneapolis bridge collapse

**Mohiuddin A. Khan, Ph.D., P.E.** (Mt. Laurel, MD) is Chief Bridge Engineer with JMT Inc.

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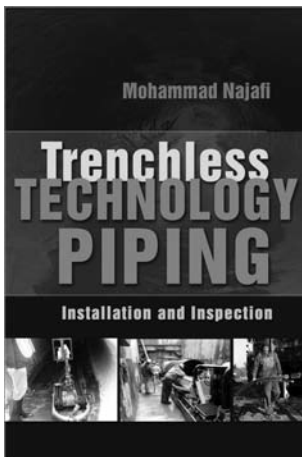
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**Mohammad Najafi, Ph.D., P.E.**, (Arlington, TX) is Director for Center for Underground Infrastructure Research & Education (CUIRE)

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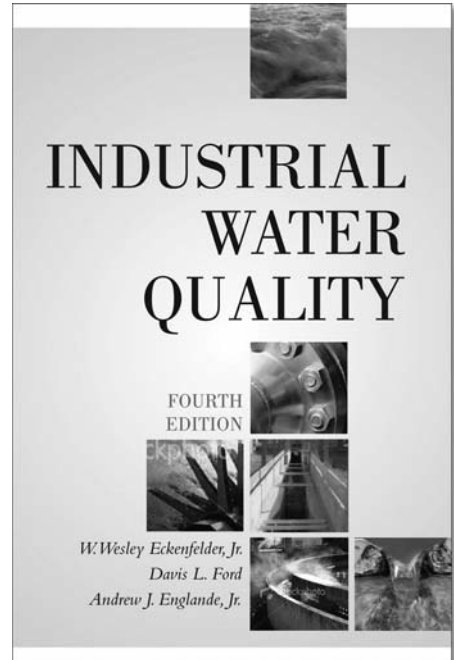
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**W. Wesley Eckenfelder, Jr., Ph.D., P.E.**, (Nashville, TN) provides technical direction and management of wastewater projects at AquAeTer. **Davis L. Ford** (Austin, TX) is president of Davis L. Ford Associates, an environmental consulting firm. **Andrew J. Englande, Jr., Ph.D., P.E.**, (New Orleans, LA) is a professor in the Department of Environmental Health Sciences at the Tulane University School of Public Health and Tropical Medicine.

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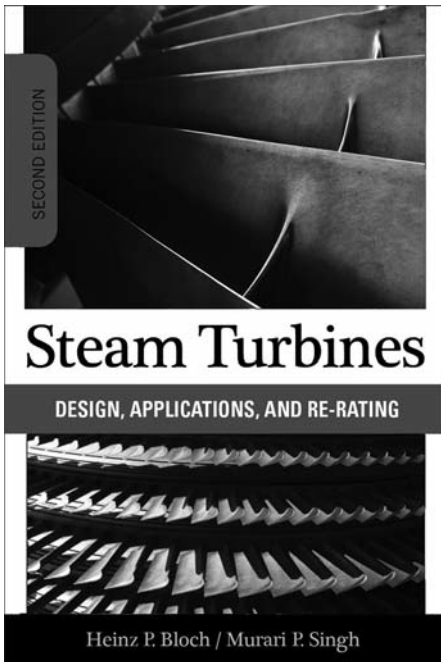
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**Heinz P. Bloch**, (West Des Moines, IO) is the author of *McGraw-Hill's A Practical Guide to Steam Turbine Technology* (0-07-005924-1).

**Murari P. Singh, Ph.D.**, (Bethlehem, PA) is President and Director of Technology for Safe Technical Solutions, Inc.

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