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**Received Books (4<sup>th</sup> Week of May, 2005)**

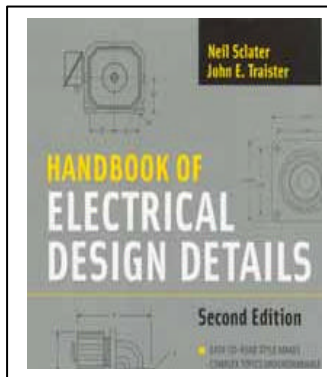
**Electrical Engineering**

621.31924

SCL

SCLATER, Neil and TRAISTER, John E  
Handbook of electrical design details.--2 ed.  
-- New York: McGraw -Hill, 2003.  
9,450.  
ISBN : 0-07-137751-4  
1.Electrical engineering.

Accn Nos : WG2421



# Handbook of Electrical Design Details

**Second Edition**  
**by Neil Sclater**  
**and John E. Traister**

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A comprehensive source of technical details on electrical power from generation to practical applications!

**Features:**

- Power Generation
- Distribution
- Lighting
- Wiring
- Motors
- Project Planning
- CAD for preparing electrical drawings and estimates
- Basic switch and receptacle circuit wiring
- Structured wiring for multimedia
- Swimming pool and low-voltage lighting
- Electrical surge protection

**Handbook of Electrical Design Detail** is a valuable information resource on electric power for everyone from technical professionals to students and laypeople.

An easy-to-read style makes complex topics understandable. It's a must-have reference for those with a need or desire to get up to speed on the entire subject of electric power or just familiarize themselves with the latest advances--regardless of their formal education or training.

621.3192

JEN

JENKINS, K W

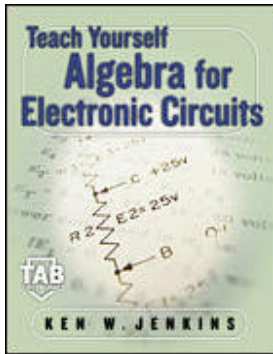
Teach yourself algebra for electronic circuits.-- New York: McGraw-Hill, 2002.

553.

ISBN : 0-07-138182-1

1.Electrical engineering.

Accn Nos : WG2425



Teach Yourself Algebra for Electronic Circuits

By: [Jenkins, Kenneth](#)

ISBN: 0071381821

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### Description

Practical math to help you plan, design, and problem-solve electric circuits

The ideal tool for upgrading career-enhancing math skills, Teach Yourself Algebra for Electronic Circuits helps you learn the methods that support today's technological growth and innovation. Author Ken Jenkins has put together a genuinely user-friendly tutorial. Every chapter is a self-contained unit, making it easier to find the answers you want and learn at your own pace – without flipping through pages, looking for connections or background. Learn or upgrade your skills with:

### **Electronics and Communication Engineering**

621.381

GOO

GOODMAN, Robert L

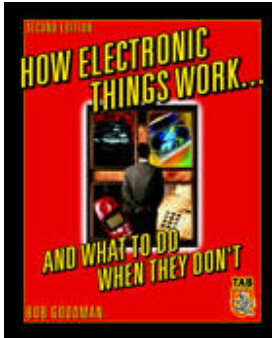
How Electronic things work... and what to do when they don't.--2 ed.-- New York: McGraw-Hill, 2003.

13,426.

ISBN : 0-07-138745-5

1.Electronics and communications engineering.

Accn Nos : WG2422



## **How Electronic Things Work... And What to do When They Don't**

Author(s): Robert Goodman

ISBN: 0071387455

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### **DESCRIPTION**

Here's a guide to understanding and repairing electronics equipment written for people who would ordinarily "call the shop."

With this fully illustrated, simple-to-use guide, you will get a grasp of the workings of the electronics world that surrounds you – and even learn to make your own repairs. And you may even start enjoying it!

Whether you want to pocket the savings on repair bills, give your beloved equipment the best possible care, or merely understand how it all works, this book will show you how in easy-to-understand language and clear illustrations -- and you don't need any technical experience.

### **Mechanical Engineering**

629.892

HAN

HANNOLD, Chris

Combat robots complete.-- New York: McGraw-Hill, 2003.

19,311.

ISBN : 0-07-140888-6

1. Automatic control engineering. 2. Robots.

Accn Nos : WG2423



## Combat Robots Complete

Here's everything you need to jump into the fascinating and fun world of fighting robots — even if you don't have advanced electronic or engineering skills. The author, a five-year fighting bot and twenty-year bot veteran who has promoted robot combat events, offers priceless "insider info" covering everything from step-by-step guidance on constructing your first combat robot to the lowdown on the federations that sponsor or guide competitions.

Three different "build reports" make constructing your own battling robot simple — even for first-timers. You'll learn everything you need to know about: Wiring — Design — Weapons Systems — Speed Control — Batteries — Motors  
Combat Robots Complete includes easy-to-use mathematical conversion tables to help you calculate variables such as distance, area, volume, temperature, energy, power, mass, force, speed, and angles. But Combat Robots Complete doesn't stop with construction details, the author also gives you valuable hard-to-find data on:

629.892

MIL

MILES, Pete and CARROL, Tom

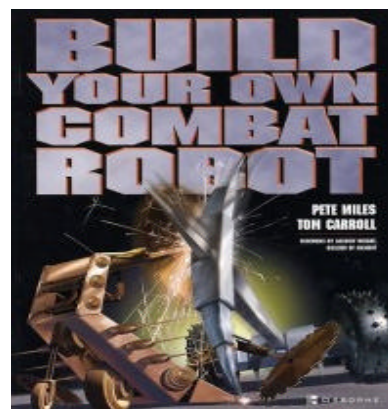
Build your own combat robot.-- New York:  
McGraw-Hill, 2002.

16,381.

ISBN : 0-07-219464-2

1. Automatic control engineering. 2. Robots.

Accn Nos : WG2424



## Build Your Own Combat Robot

Build a powerful and invincible robot--for full-blown competition or just for fun--using this authoritative robot resource. This team of experts gives you an inside look at the innovative new world of robotic combat, explaining the origins of the sport as well as all the elements that go into constructing a fighting robot. You'll learn technical basics from motors and wiring to locomotion, and read builders' true stories from the front lines of robot competition. Whether or not you're mechanically-minded, you'll find this book both entertaining and informative. Fully capturing the spirit of the sport, this detailed guide shows you how an imagination and a few bits of metal can start you on your way to constructing your own champion bot.

- \* Plan, design, and build your own battling robot
- \* Discover how electric motors work and choose the right type for your design
- \* Learn about both wheeled and walking robots
- \* Incorporate creative weapons and armor on your bot--learn the pros and cons of spinning hammers, jabbing spikes, buzzing saw blades, and more
- \* Minimize radio interference--so you can effectively control your bot to do what you want, when you want
- \* Understand what goes into building fully autonomous robots
- \* Save money on parts and equipment by enlisting help from company sponsors
- \* Read true stories from combat roboteers and learn which types of constructions work and which don't

658

GRE

GEENBERY, Jerald and BARON,Robert A  
Behavior in organizations: understanding and  
managing the human side of work.--8 ed.--  
Singapore: Pearson, 2003.  
28,691.  
ISBN : 81-297-0414-5  
1.Management.

Accn Nos : WG2447

## Managing Behavior in Organizations



Titel: Managing Behavior in Organizations  
(International Edition)  
Reihe: Prentice Hall  
Author: Jerald Greenberg  
Verlag: Prentice Hall

## Managing Behavior in Organizations (International Edition)

### Description

This excellent paperback provides a brief, yet comprehensive tour of the scientific and practical highlights of organizational behaviour. It focuses on the essential concepts and practices that business managers really need to know. It allows readers to understand and

appreciate the essentials of organizational behaviour as a practical and scientific field, by providing a good balance between research/theory and practical applications for the concepts presented.

A long list of cutting-edge topics are covered in this clearly written text. It includes integrated coverage of Internet/Web-based organizational behaviour concepts with special treatment of e-commerce, and includes practical tips and suggestions telling readers how to apply organizational behaviour in their own jobs. Coverage includes: individual behaviour, group behaviour, and organizational processes.

This text includes a comprehensive student package, which includes an Interactive Study Guide, available at the companion website. This site has students test questions, allowing them to self-assess their progress by providing instant feedback. It is also supported by an excellent instructor package, which includes an Instructor's Manual with Test Item File, Prentice Hall Test Manager, and PowerPoint Electronic Transparencies.

658.3145

MENON, Jyothi  
Power of human relations: art of leading people to leverage profitability.-- New Delhi: Pearson, 2004.  
18,156.  
ISBN : 81-297-0447-1  
1.Management. 2.Personal management.

Accn Nos : WG2449

#### **DSH**

610.280113

OLANSEN, Jon B and ROSOW, Eric  
Virtual bio-instrumentation: biomedical, clinical, and healthcare applications in labVIEW.-- USA: Prentice Hall, 2002.  
25,571 (Virtual instrumentation series).  
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ISBN : 0-13-065216-4  
1.Medical science. 2.Medicine.

Accn Nos : WG2426

364.147

CLARK, Warren E  
Traffic management and collision investigation.-- USA: Prentice Hall, 1982.  
14,332.  
ISBN : 0-13-926162-1  
1.Social problems and services.

Accn Nos : WG2432

415

WERNER, Petricia K and NELSON, John P  
Mosaic 2 grammar.--4 ed.-- New York: McGraw-Hill, 2002.  
421.  
ISBN : 0-07-232963-7  
1.Languages.

Accn Nos : WG2439

415

WER.1 WERNER, Patricia K and SPAVENTA, Lou  
Mosaic I grammar.--4 ed.-- New York: McGraw-  
Hill, 2002.  
452.  
ISBN : 0-07-232983-1  
1.Languages.

Accn Nos : WG2440

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BLA BLASS, Iaurie and BAKY, Meredith Pike  
Mosaic 1 writing.--4 ed.-- New York: McGraw-  
Hill, 2002.  
11, 241.  
ISBN : 0-07-112392-X  
1.Languages.

Accn Nos : WG2441

418.4  
WEG WEGMANN, Brenda, etc  
Mosaic 2 reading.--4 ed.-- Boston: McGraw-  
Hill, 2003.  
11, 258.  
ISBN : 0-07-122940-X  
1.Languages.

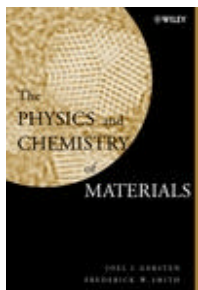
Accn Nos : WG2442

302.2242  
HYB HYBELS, Sandra and WEAVER 2, Richard L  
Communicating effectively.--7 ed.-- Boston:  
McGraw-Hill, 2004.  
22, 738.  
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ISBN : 0-07-256397-4  
1.Sociology.

Accn Nos : WG2443

541.0421  
GER GERSTEU, Joel L and SMITH, Frederick W  
Physics and chemistry of materials.-- New  
York: John Wiley, 2001.  
29, 826.  
ISBN : 0-0471-05794-0  
1.Chemistry.

Accn Nos : WG2444



## **The Physics and Chemistry of Materials**

Joel I. Gersten, Frederick W. Smith

ISBN: 0-471-05794-0

Hardcover

856 pages

June 2001

Wiley List Price: US \$125.00

A comprehensive introduction to the structure, properties, and applications of materials

This title provides the first unified treatment for the broad subject of

materials. Authors Gersten and Smith use a fundamental approach to define the structure and properties of a wide range of solids on the basis of the local chemical bonding and atomic order present in the material. Emphasizing the physical and chemical origins of material properties, the book focuses on the most technologically important materials being utilized and developed by scientists and engineers.

Appropriate for use in advanced materials courses, *The Physics and Chemistry of Materials* provides the background information necessary to assimilate the current academic and patent literature on materials and their applications. Problem sets, illustrations, and helpful tables complete this well-rounded new treatment.

Five sections cover these important topics:

- \* Structure of materials, including crystal structure, bonding in solids, diffraction and the reciprocal lattice, and order and disorder in solids
- \* Physical properties of materials, including electrical, thermal, optical, magnetic, and mechanical properties
- \* Classes of materials, including semiconductors, superconductors, magnetic materials, and optical materials in addition to metals, ceramics, polymers, dielectrics, and ferroelectrics
- \* A section on surfaces, thin films, interfaces, and multilayers discusses the effects of spatial discontinuities in the physical and chemical structure of materials
- \* A section on synthesis and processing examines the effects of synthesis on the structure and properties of various materials

This book is enhanced by a Web-based supplement that offers advanced material together with an entire electronic chapter on the characterization of materials. *The Physics and Chemistry of Materials* is a complete introduction to the structure and properties of materials for students and an excellent reference for scientists and engineers.

530.092

FOX FOX, Karen C and KECK, Aries  
Einstein A to Z.-- USA: John Wiley, 2004.  
10,310.  
ISBN : 0-471-46674-3  
1.Physics.

Accn Nos : WG2445

808.066

EBE EBEL, Hans F,etc  
Art of scientific writing.--2 ed.--  
Weinheim: John Wiley, 2004.  
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ISBN : 3-527-29829-0  
1.Literature.

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BAR;1 BAROW, Robert A  
Psychology.--5 ed.-- New Delhi: Pearson  
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ISBN : 81-7808-623-9  
1.Psychology.

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Psychology and work today: introduction to  
industrial and organizational psychology.--8  
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1.Psychology.

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363.73926

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ALLEY, E Roberts etc  
Air quality control handbook.-- New York:  
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ISBN : 0-07-001411-6  
1.Social problems and services.

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SANTROCK, John W  
Psychology.--7 ed.-- Boston: McGraw-Hill,  
2003.  
25,697.  
0-07-119886-5  
1.Psychology.

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## **Civil Engineering**

629.04

BLA;4  
BLACK, Alan  
Urban mass transportation planning.-- New  
York: McGraw-Hill, 1995.  
16,411 (McGraw-Hill series in  
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ISBN : 0-07-113950-8  
1.Transportation engineering.

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628.16

LET  
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Water quality and treatment: handbook of  
community water supplies.--5 ed.-- New York:  
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ISBN : 0-07-001659-3  
1.Civil engineering. 2.Sanitary and municipal  
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Urban transportation planning: decision  
oriented approach.--2 ed.-- Boston:  
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13,642 (McGraw-Hill series in transportation).  
 ISBN : 0-07-120000-2  
 1.Transportation engineering.  
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 COR CORBITT, Robert A  
 Standard handbook of environmental engineering.-- New York: McGraw-Hill, 1990.  
 ISBN : 0-07-013158-9  
 1.Civil engineering. 2.Sanitary and municipal engineering. 3.Environmental engineering.  
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388  
 STO STOUGH, Roger etc  
 Transport and information systems.-- UK: Edward Elgar, 2003.  
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 ISBN : 1-84064-555-5  
 1.Commerce. 2.Communication. 3.Transport.  
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629.04  
 BER;1 BERECHMAN, Joseph etc, Eds  
 Transport and land use: modern classics in regional science, vol 2.-- United Kingdom: Edward Elgar, 1996.  
 25,708.  
 ISBN : 1-85898-109-3  
 1.Transportation engineering.  
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 Future transport in cities.-- London: Spon, 2001.  
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 1.Commerce. 2.Communication. 3.Transport.  
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388.0285  
 THI THILL, Jean-Claude and THILL, J C  
 Geographic information systems in transportation research.-- Amsterdam: Pergamon, 2000.  
 450.  
 ISBN : 0-08-043630-7  
 1.Commerce. 2.communication. 3.transport.  
 Accn Nos : WG2436

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 Phone 228-6613**