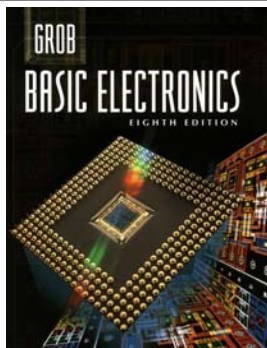


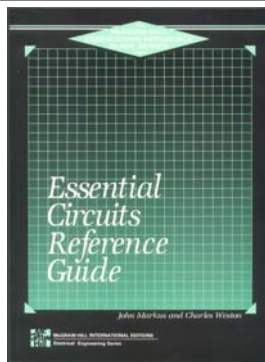
new Books for Hands-On Learning!!



BASIC ELECTRONICS (8TH ED.)

Bernard Grob

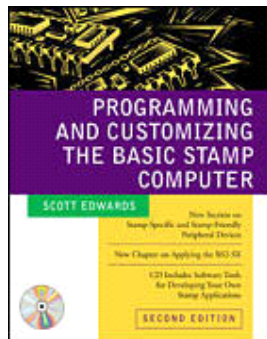
The 8th edition of Grob: Basic Electronics has been completely revised with a new look and new information to keep students at the forefront of basic electronics education. It includes new problems and questions at the end of each chapter, sidebar features throughout the text, and a critical thinking component. The new full-color design makes it easy for students to read circuit diagrams and other important visuals.



ESSENTIAL CIRCUITS REFERENCE GUIDE

John Markus/Charles Weston

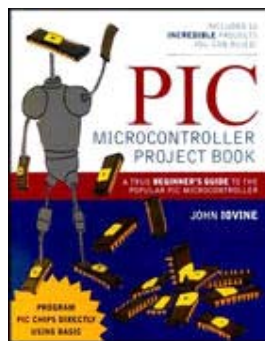
Full coverage is given to circuits for a wide variety of applications, including those for capacitance control, both active and passive filters, motor control, power supply, measuring, instrumentation, and photoelectric and telephone circuits.



PROGRAMMING and CUSTOMIZING the BASIC STAMP

Scott Edwards

If you want to take advantage of the popular PIC Microcontroller for your electronics projects, but are intimidated by the programming involved, your worries are over. Programming and Customizing the Basic Stamp, Second Edition gives you a comprehensive tutorial on the easy-to-use BASIC Stamp single-board computer, which runs a PIC Microcontroller, and doesn't require you to do any assembly language programming.



PIC MICROCONTROLLER PROJECT BOOK

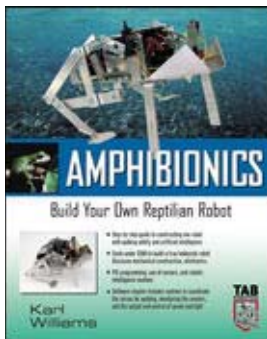
John Iovine

Beginners guide to the popular PIC Microcontroller.

Get all the advantages of the Basic Stamp, at one quarter the cost and one hundred times the speed with Microchips Company's 8-bit PIC computer-on-a-chip.

The no assembly required PIC Microcontroller Project Book, by popular TAB author John Iovine, shows you how to program the PIC using Microchips free MPLAB compiler and the BASIC programming language.

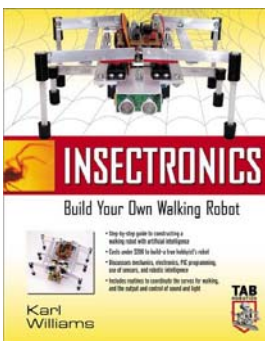
This new edition moves you briskly from electronic foundations through BASIC Stamp Boot Camps and an intelligent traffic signal simulation to build a robotic bug with whisker sensors, a time/temperature display, and a data-logging thermometer.



AMPHIBIONICS: BUILD YOUR OWN REPTILIAN ROBOT

Williams

This work provides the hobbyist with detailed mechanical, electronic, and PIC microcontroller knowledge needed to build and program a snake, frog, turtle, and alligator robots. It focuses on the construction of each robot in detail, and then explores the world of slithering, jumping, swimming, and walking robots, and the artificial intelligence needed with these platforms.



INSECTRONICS: BUILD YOUR OWN WALKING ROBOT

Williams

Build Your Own Six-Legged Walking Robot. Build the baddest bug in town!

It walks on six legs, possesses artificial intelligence, utilizes state-of-the-art technology, and is incredibly inexpensive to build!

This complete project book delivers all the step-by-step plans you need to construct your own six-legged insect-like robot that walks and actually responds to its environment. Using

inexpensive off-the-shelf parts, hobbyists can "build a better bug" and at the same time have loads of fun honing their knowledge of mechanical construction, programming, microcontroller use, and artificial intelligence.



PDA ROBOTICS

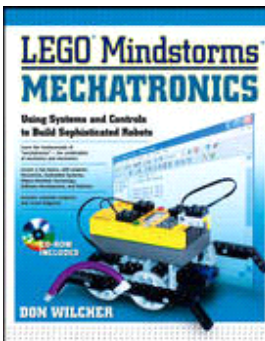
Doug Williams

BUILD A ROBOT AND MAKE IT RUN — RIGHT FROM YOUR PDA!

The virtual chasm between PDAs and robots has been spanned, with McGraw-Hill's *PDA Robotics: Using Your Personal Digital Assistant to Control Your Robot*, an easy-to-read guide to integrating these two pieces of technology into a single, remote-controlled powerhouse.

Written in easy-to-understand language by a renowned software designer and robotics expert, this unique resource reveals innovative concepts and designs, helping you to build your own PDA-controlled robot from the ground up. As a result, you'll be able to:

- * Allow any PDA to communicate with and control your robot
- * Establish a wireless RF link between your PDA and robot
- * Acquire low-cost, standard, and easily obtainable components
- * Learn about special software, control circuits, and interface ideas for creating artificial life forms
- * Customize modules easily
- * And more!



LEGO MINDSTORMS MECHATRONICS

Don Wilcher

Are you ready to step up to cutting-edge robotics? Don Wilcher makes it easy and fun to understand concepts and build projects that put the concepts to work. You get hands-on instructions for satisfying projects in mechatronics, embedded systems, object-oriented programming, and high-level electronics and robotics — all using off-the-shelf LEGO products as starting points. *LEGO(r) Mindstorms(tm) Mechatronics* gives you:

- * Projects that include a robotically operated LEGO camera, a robotic warning system, and numerous other mechatronics plans
- * A complete set of needed programs, circuit diagrams, and diagnostic tools on the CD-ROM
- * A great appendix packed with online and other embedded systems resources

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