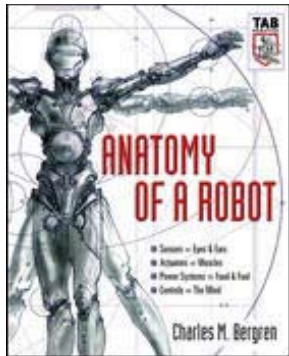


read read read read and **LEARN!!**

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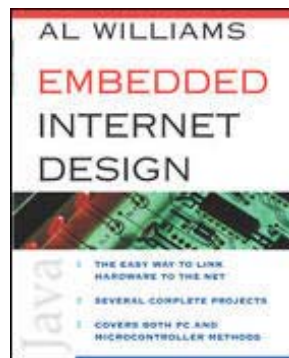
Anatomy of a Robot
Charles Bergren

This work looks under the hood of all robotic projects, stimulating teachers, students, and hobbyists to learn more about the gamut of areas associated with control systems and robotics. It offers a unique presentation in providing both theory and philosophy in a technical yet entertaining way.

Reading *Anatomy of a Robot* is like having a robot on the operating room table. Crack open the pages, and you'll be able to dissect a robot from head to toe—or from project management and design to motors and power systems. Discover how robots articulate movements, how they see and hear, what gives them their power, and, at times, their gentleness. Delve into the robots' "brains," and learn how experienced robot designers use control systems to make their machines think.

Much more than an enumeration of parts, *Anatomy of a Robot* exposes the life and human creativity behind today's robot. Always entertaining, this exceptional book takes you deep inside the theory and craft, philosophy and science of robotics. Coverage ranges from control systems and computer hardware to "nuts and bolts" topics such as actuators and mechanics, with plenty of humor and mathematical equations to help with the anatomy lesson. A must for robot professionals and serious robot hobbyists, and a treat for science lovers and teachers, *Anatomy of a Robot* is a journey inside one of today's most exciting and fast-moving disciplines.

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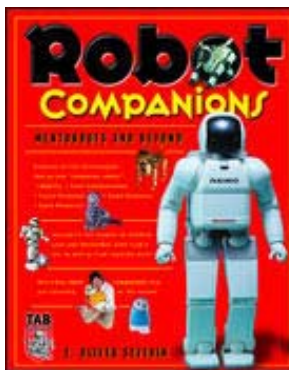
Embedded Internet Design
Al Williams

Embedded Internet Design is the no-hassle way to make your devices Internet-active. * Demystifies the job of making devices Internet-aware * Covers Ethernet and dial up connections * A short course in Java, network protocols and Internet applications

This one-of-a-kind guide helps you: * Learn networking details essential to convergence developers * Practice with several practical projects * Build the skills and experience to design for production * Provide Internet activation through PCs or microprocessors * Follow detailed examples to project success

Why struggle to reinvent Internet software? Al Williams EMBEDDED INTERNET DESIGN is the easy way to get your devices Internet enabled! Open *Embedded Internet Design* for: * Under-the-hood Net explanations * Complete coverage of the TINI microcontroller and Parallax's new Javelin Stamp * Dozens of source code listings * The best short course there is in hooking devices to the Net

Great for conquering convergence—the buzzword for the meeting of consumer electronics and the Internet—Al Williams' guide takes you beyond Internet-integrated phones and TV set-top boxes to the Internet-connected future of all kinds of appliances, entire homes, factories, and even automobiles.



Robot companions
E. Oliver Severin

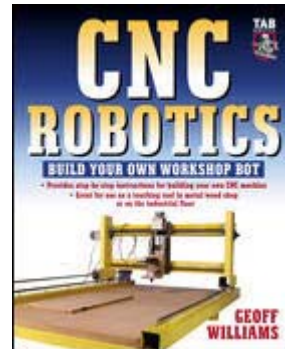
MORE THAN TOYS OR INTELLIGENT APPLIANCES — MECHANICAL FRIENDS AND VALUED ASSISTANTS

Inside *Robot Companions* you'll find all the details, plans, and information you need to make a robot partner part of your daily life, at a price you can afford. Author E. Oliver Severin, originator of some of the technologies that make robots friendly, useful, and educational, shows you how to find or build your own robot helpmate — either from commercial kits or an assembly of separate, off-the-shelf parts.

With *Robot Companions*, you'll learn how to build your own robot for purposes such as companionship, supervision of the elderly, tutoring the young, doing household chores, and much more. The book delves into essential enabling technologies such as mobility, voice, communications, touch, sight, and smell response so you'll understand the mechanics behind form, function, and personality.

If you're looking for an industrious mechanical someone to help with the housework, care for the kids, even watch over aging parents without complaint, *Robot Companions* belongs on your shelf!

CNC Robotics
Geoff Williams

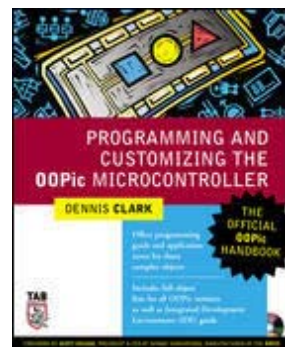


CNC Robotics gives you step-by-step, illustrated directions for designing, constructing, and testing a fully functional CNC robot that saves you 80 percent of the price of an off-the-shelf bot—and that can be customized to suit your purposes exactly, because you designed it. Written by an accomplished workshop bot designer/builder, this book gives you:

- * Start-to-finish illustrated instructions * Guidance on installing easy-to-understand Windows software for controlling your bot
- * Plenty of time-saving tips, tricks, and pictorial help along the way
- * Scaling and customizing instructions for building just the robot that you want
- * Sources for easily obtained parts
- * A complete course in workshop bot design and construction, perfect for courses or industry

BUILD YOUR OWN WORKSHOP BOT AND BRING SPEED, PRECISION, AND AUTOMATION TO YOUR WORKBENCH OR ENTERPRISE.

Programming and Customizing the OOPic Microcontroller
Dennis Clark



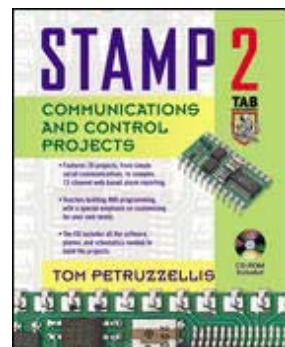
THE BIBLE OF OOPIC MICROCONTROLLERS! If you're a robotics professional or hobbyist, here's the one book you'll need to keep your work on the leading edge — *Programming and Customizing the OOPic Microcontroller*. This is the official OOPic Handbook, fully endorsed by Savage Innovations, the world's only manufacturer of OOPic microcontrollers. As the first book of its kind, this volume is destined to become the standard against which all other OOPic books will be judged.

Written by a noted robotics authority, with a foreword by Savage Innovations President/CEO Scott Savage, this authoritative guide delves deeply into this groundbreaking technology. It delivers:

- * A programming guide and application notes dedicated to the OOPic environment
- * A full object listing as well as an IDE (Integrated Development Interface) hardware and software guide
- * A CD-ROM with all project and experiment code that you incorporate to customize your own projects, as well as a video of a fully OOPic-controlled robot
- * Special OOPic-related software, a toolkit, and source code

Stay ahead of the robotics curve — tap into the power of OOPic microcontrollers with this indispensable volume!

STAMP 2 Communications and Control Projects
Thomas Petruzzellis



EVERYTHING YOU NEED TO INCORPORATE THE STAMP II CONTROLLER INTO YOUR NEXT COMMUNICATIONS PROJECT

When it comes to adding power to complex electronic circuits, the BASIC STAMP II microprocessor is the standard against which all others are judged. And now, thanks to *STAMP II Communications and Control Projects*, learning how to integrate this versatile technology with your next project is easier than ever.

With the help of detailed schematics, informative photos, and an insightful CD-ROM, *STAMP II Communications and Control Projects* leads you step by step through 24 communications-specific projects. As a result, you'll gain a firm understanding of STAMP II and its programming methodologies — as well as the ability to customize it for your own needs and operating system.

Basic enough for hobbyists — yet detailed enough for designers and technicians — *STAMP II Communications and Control Projects* will help you add untold efficiencies and more fun to your projects.

Just some of the exciting projects you'll find inside: Touch Tone Decoder for R/C Control * Cell-Alert * Caller ID * Morse Code Keyer * Ham Radio Mailbox * Ham Repeater Controller * Wireless Multichannel Alarm System * Lightning Monitoring System * Aerial R/C Photography * Xlink System * And much, much more!



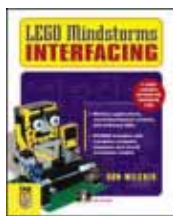
How to Build a Small Budget Recording Studio
From Scratch
Michael Shea

BUILD YOUR OWN RECORDING STUDIO AT A COST LOWER THAN YOU EVER THOUGHT POSSIBLE! INCLUDES 12 TESTED AND PROVEN DESIGNS



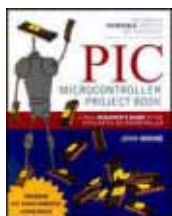
LEGO Mindstorms Mechatronics
Don Wilcher

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 MECHANICS, EMBEDDED SYSTEMS, OBJECT-ORIENTED PROGRAMMING, AND HIGH-LEVEL ELECTRONICS AND ROBOTICS.



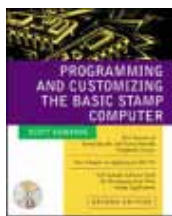
Lego Mindstorms Interfacing
Don Wilcher

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John Iovine

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Dhananjay Gadre

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