



The Art of Programming Embedded Systems

By Jack Ganssle

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The Art of Programming Embedded Systems By Jack Ganssle

Embedded systems are products such as microwave ovens, cars, and toys that rely on an internal microprocessor. This book is oriented toward the design engineer or programmer who writes the computer code for such a system. There are a number of problems specific to the embedded systems designer, and this book addresses them and offers practical solutions.

- Offers cookbook routines, algorithms, and design techniques
- Includes tips for handling debugging management and testing
- Explores the philosophy of tightly coupling software and hardware in programming and developing an embedded system
- Provides one of the few coherent references on this subject

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The Art of Programming Embedded Systems By Jack Ganssle Bibliography

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Editorial Review

From the Back Cover

Examples of embedded systems can be found in products such as microwave ovens, medical instruments, automobiles, weapon- guidance systems, toys, and all other items that rely on an internal microprocessor. Sometimes in this embedded systems world the line between hardware and software design can become frizzy. **The Art of Programming Embedded Systems** provides needed clarity by offering a new philosophy for practicing programmers faced with designing, writing, and debugging code for smaller embedded systems. The first book of its kind, it is of interest to all hardware and software engineers responsible for the design and development of embedded systems. It includes several helpful tips and offers practical solutions to the most common embedded systems problems. This book will serve as a compendium of information that is often needed but seldom immediately at hand, giving routines, algorithms, and design techniques in an easy-to-read "cookbook" format.

About the Author

Jack Ganssle has 30 years' experience developing embedded systems. He has authored two books, *The Art of Programming Embedded Systems* and *The Art of Designing Embedded Systems*, and writes a regular column in *Embedded Systems Programming* magazine. **Michael Barr** is the editor-in-chief of *Embedded Systems Programming* magazine and the principal of Neutrino Consultants Network. He wrote *Programming Embedded Systems in C and C++*.

Users Review

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Brooke Jenkins:

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