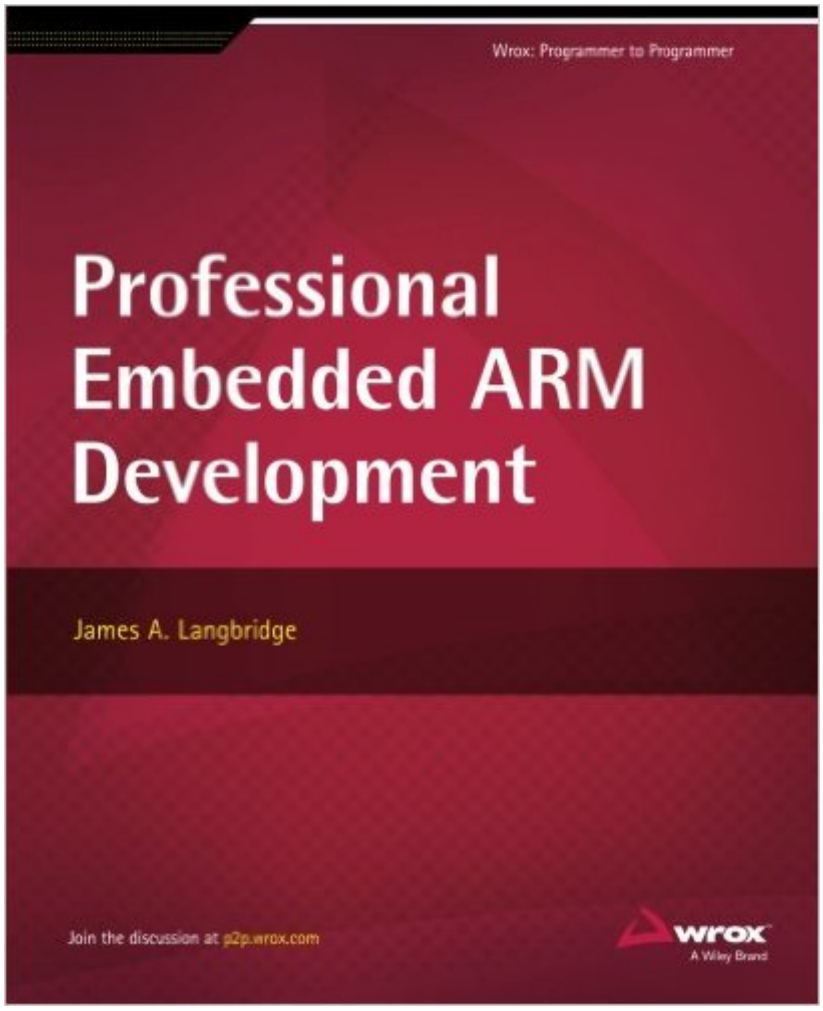
# Professional Embedded ARM Development



## Synopsis

A practical Wrox guide to ARM programming for mobile devices With more than 90 percent of mobile phones sold in recent years using ARM-based processors, developers are eager to master this embedded technology. If you know the basics of C programming, this guide will ease you into the world of embedded ARM technology. With clear explanations of the systems common to all ARM processors and step-by-step instructions for creating an embedded application, it prepares you for this popular specialty. While ARM technology is not new, existing books on the topic predate the current explosive growth of mobile devices using ARM and don’t cover these all-important aspects. Newcomers to embedded technology will find this guide approachable and easy to understand.  Covers the tools required, assembly and debugging techniques, C optimizations, and more Lists the tools needed for various types of projects and explores the details of the assembly language Examines the optimizations that can be made to ensure fast code Provides step-by-step instructions for a basic application and shows how to build upon it  Professional Embedded ARM Development prepares you to enter this exciting and in-demand programming field.

## Book Information

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## Customer Reviews

I’m an experienced software developer with a side interest in microcontrollers. I’m brand new to ARM technology and I bought this hoping it would be a convenient intro. There’s useful information in the text and the author is obviously enthusiastic but there were sections where trying to follow the language made my head ache. Mr. Langbridge needs a good editor.

The book provides a lot of truly useful information in a concise way. I like the style of the book and will definitely keep it.The book, however, is not self-contained in the sense that the reference only lists the ARM /NEON instructions but does not describe themThis information should be access elsewhere (and is widely available online).In the NEON Part a brief explanation of the Polynomial is greatly missing. Apparently is is related to carry-less multiplication used in error correction and cryptography, still few words would help.

Once I learned to keep reading when an acronym that I did not understand popped up (It was usually explained not too far further), this book was a great resource and helped a lot.Covers the right amount of background, toolchains, assembly and C.

This book is a valuable tool for all the developers, from professionals that wants to see how others do common assembler tasks to newcomers that starts in the world of the systems, and assembly programming.Very easy to read, and filled with samples that shows exactly the context of each chapter.Highly recommendable.

Microprocessor Systems, Second Edition (Embedded Technology Series) Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology) Embedded Systems Architecture: A Comprehensive Guide for Engineers and Programmers (Embedded Technology) TCP/IP Embedded Internet Applications (Embedded Technology) Linux for Embedded and Real-time Applications, Third Edition (Embedded Technology)