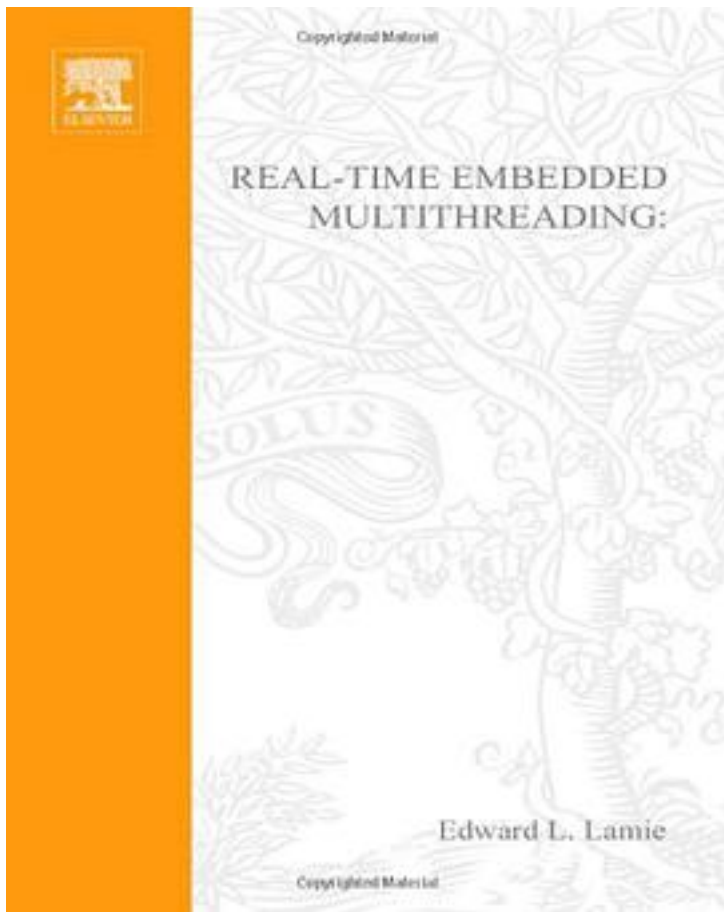


Real-Time Embedded Multithreading



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Use the industry's most popular RTOS/processor combination to develop embedded applications that are small, fast, reliable, and deterministic. Beginning with a discussion of embedded and real-time concepts and terminology, this book uses a specific demonstration system for illustration so you can apply the techniques

immediately. You get all the details you need for implementation including an overview about the ARM® processor, and a review of all the services provided by the ThreadX® real-time operating system (RTOS). A major case study translates this all into a working knowledge of implementation that includes solutions to the most common pitfalls. The ThreadX/ARM processor combination is the ideal RTOS/processor combination on which to learn how to develop real-time multithreaded embedded systems. Popular because of their inherent simplicity, the ARM microprocessors can be found in a wide variety of devices—from cell phones to laser printers. Similarly, Express Logic's ThreadX RTOS is one of the most popular for the ARM processor because of its simplicity and robust multithreading capabilities. The companion CD contains a Win32-based ThreadX demonstration system capable of processing all the sample systems, end-of-chapter projects, and the case study. While the book uses C programming throughout you can use C++ if you prefer.

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目录:

[Real-Time Embedded Multithreading_下载链接1](#)

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