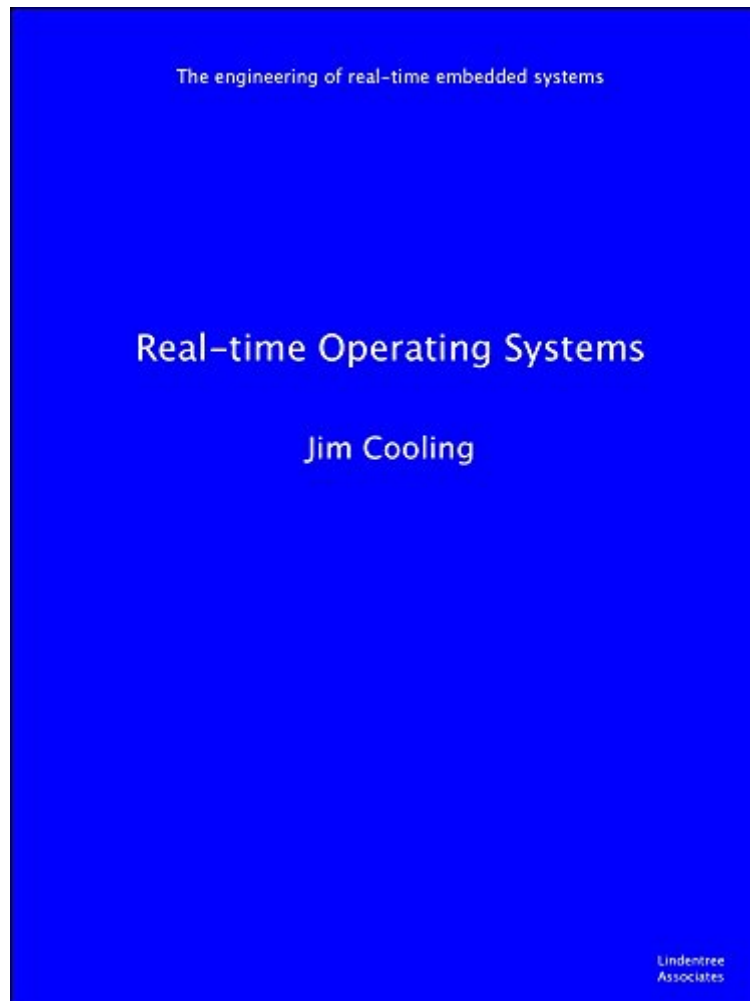


The book was found

Real-time Operating Systems (The Engineering Of Real-time Embedded Systems Book 1)



Synopsis

This book deals with the fundamentals of operating systems for use in real-time embedded systems. It is aimed at those who wish to develop RTOS-based designs, using either commercial or free products. It does not set out to give you the knowledge to design an RTOS; leave that to the specialists. The target readership includes: Students. Engineers, scientists and mathematicians moving into software systems. Professional and experienced software engineers entering the embedded field. Programmers having little or no formal education in the underlying principles of software-based real-time systems. The material covers the key nuts and bolts of RTOS structures and usage (as you would expect, of course). In many cases it shows how these are handled by practical real-time operating systems. After studying this even the absolute beginner will see that it isn't particularly difficult to implement RTOS-based designs and should be confident to take on such work. Now, that's the easy part; the really challenging aspect is how to best structure the application software in the first place. If your design is poorly-structured then, no matter which RTOS you use, you are very likely to run into problems of reliability, performance, safety and maintainability. Hence the book places great emphasis on ways to structure the application software so that it can be effectively implemented using an RTOS. The author: Jim Cooling has had many years experience in the area of real-time embedded systems, including electronic, software and system design, project management, consultancy, education and course development. He has published extensively on the subject, his books covering many aspects of embedded-systems work such as real-time interfacing, programming, software design and software engineering. Currently he is a partner in Lindentree Associates (which he formed in 1998), providing consultancy and training for real-time embedded systems. See: www.lindentreeuk.co.uk

Book Information

File Size: 10607 KB

Print Length: 329 pages

Publisher: Lindentree Associates; 1 edition (November 14, 2013)

Publication Date: November 14, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00GO6VSGE

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #481,775 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #85

inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design >

Embedded Systems #113 inÂ Books > Computers & Technology > Programming > APIs &

Operating Environments > Operating Systems Theory #437 inÂ Kindle Store > Kindle eBooks >

Computers & Technology > Operating Systems

Customer Reviews

This is a great overview of the fundamentals of RTOS for embedded programming without being specific to any one vendor. If you are new to RTOS programming and need a simple straightforward text to explain how it works - this text is a great choice.

This is a great book for the new or even experienced professional involved in RTOS's or Real Time Systems. the book has great structure and is clearly and simply written. A great learning aid is the start and end of chapter learning points, this focuses your learning and understanding of the key topics and ensures you have not misunderstand what the author is trying to convey to the reader.

It is a complete book to understand RTOS. Totally recommended.Be aware that it is not a step by step guide to writing a RTOS in any programming language, although it includes some pseudo-code to understand the fundamentals.

[Download to continue reading..](#)

Real-time Operating Systems (The engineering of real-time embedded systems Book 1) Embedded Systems: Real-Time Operating Systems for Arm Cortex M Microcontrollers Memory Controllers for Real-Time Embedded Systems: Predictable and Composable Real-Time Systems: 2 DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology) Design Patterns for Embedded Systems in C: An Embedded Software Engineering Toolkit Linux for Embedded and Real-time Applications, Third Edition (Embedded Technology) Linux for Embedded and Real-time Applications (Embedded Technology) Linux for Embedded and Real-time Applications, Second Edition (Embedded Technology) Real Time Systems and Programming Languages: Ada 95, Real-Time Java and Real-Time C/POSIX (3rd Edition) Real-Time Embedded

Components and Systems with Linux and RTOS (Engineering) Create Your Own Operating System: Build, deploy, and test your very own operating systems for the Internet of Things and other devices Applied Control Theory for Embedded Systems (Embedded Technology) Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) Embedded Systems Architecture: A Comprehensive Guide for Engineers and Programmers (Embedded Technology) Real Estate: Learn to Succeed the First Time: Real Estate Basics, Home Buying, Real Estate Investment & House Flipping (Real Estate income, investing, Rental Property) Linux: Linux Mastery. The Ultimate Linux Operating System and Command Line Mastery (Operating System, Linux) Gilbert American Flyer S Gauge Operating & Repair Guide: Volume 2 (Gilbert American Flyer S Gauge Operating and Repair Guide) Greenberg's Repair and Operating Manual for Lionel Trains, 1945-1969: 1945-1969 (Greenberg's Repair and Operating Manuals) Instrumentation for the Operating Room: A Photographic Manual, 6e (Instrumentation for the Operating Room (Brooks-T))

[Dmca](#)