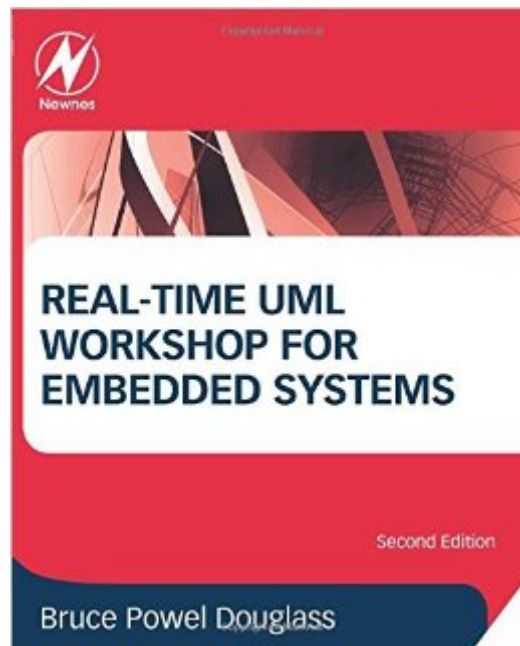


The book was found

# Real-Time UML Workshop For Embedded Systems, Second Edition (Embedded Technology)



## Synopsis

Written as a workbook with a set of guided exercises that teach by example, this book gives a practical, hands-on guide to using UML to design and implement embedded and real-time systems. A review of the basics of UML and the Harmony process for embedded software development: two on-going case examples to teach the concepts, a small-scale traffic light control system and a large scale unmanned air vehicle show the applications of UML to the specification, analysis and design of embedded and real-time systems in general. A building block approach: a series of progressive worked exercises with step-by-step explanations of the complete solution, clearly demonstrating how to convert concepts into actual designs. A walk through of the phases of an incremental spiral process: posing the problems and the solutions for requirements analysis, object analysis, architectural design, mechanistic design, and detailed design.

## Book Information

Series: Embedded Technology

Paperback: 576 pages

Publisher: Newnes; 2 edition (March 12, 2014)

Language: English

ISBN-10: 0124077811

ISBN-13: 978-0124077812

Product Dimensions: 7.5 x 1.2 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #759,999 in Books (See Top 100 in Books) #47 in [Books > Computers & Technology > Programming > Software Design, Testing & Engineering > UML](#) #86 in [Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Embedded Systems](#) #222 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics](#)

## Customer Reviews

I haven't had this book long, but it seems to provide an overall approach to using UML in several RT systems. Several of the example "systems" are used in the models presented throughout the book. It goes through the examples systems for requirements analysis and modeling. It's a problem/answer style "textbook". It provides a brief introduction to UML in the initial chapter, which might not be enough if you are fairly new to modeling or the use of tools such as Rose, RMS, Rhapsody, or EA.

The book contains a CD that has a demo version of Rhapsody that says it can generate code for an ARM9 target, for which it includes the Keil toolset and target simulator. It's a fairly readable book, even if you don't do all the examples and just look at the answers.

If you design and develop Real-Time and Embedded Systems, this book is absolutely a must, as well as "Real-Time Design Patterns" by the same author. Perhaps the two case studies treated in the book are not the best choice the author could make. Nevertheless, these books are corner-stones for model-driven design

Great book with several examples of using UML. It is of great help if one needs to get some practical, hands on experience, since it provides detailed information related to UML's usage (the book presents two pretty complete examples - Coyote Unmanned Aerial Vehicle and Roadrunner Traffic Light Controller). I'd say it is invaluable to be used with other theoretical books on UML. It presents Harmony (Douglass and Hoffman's Systems and Software Engineering Process) and the accompanying CD has Rhapsody, a good modeling tool, along with all examples used throughout the book. I recommend it for both students and practitioners. Hope this helps!

last year, ibm bought telelogic, then the promotional code brouce gives, it doesn't work. the book is vey good. very

[Download to continue reading...](#)

Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology)  
Real-time Operating Systems (The engineering of real-time embedded systems Book 1) Memory  
Controllers for Real-Time Embedded Systems: Predictable and Composable Real-Time Systems: 2  
Real Time Systems and Programming Languages: Ada 95, Real-Time Java and Real-Time  
C/POSIX (3rd Edition) DSP Software Development Techniques for Embedded and Real-Time  
Systems (Embedded Technology) Linux for Embedded and Real-time Applications, Second Edition  
(Embedded Technology) UML PrÁctico: Aprende UML paso a paso (Spanish Edition) Linux for  
Embedded and Real-time Applications, Third Edition (Embedded Technology) Linux for Embedded  
and Real-time Applications (Embedded Technology) Electric Motors in the Home Workshop: A  
Practical Guide to Methods of Utilizing Readily Available Electric Motors in Typical Small Workshop  
Applications (Workshop Practice Series) Analog Interfacing to Embedded Microprocessor Systems,  
Second Edition (Embedded Technology Series) Real Estate: Learn to Succeed the First Time: Real  
Estate Basics, Home Buying, Real Estate Investment & House Flipping (Real Estate income,

investing, Rental Property) Embedded Systems: Real-Time Operating Systems for Arm Cortex M  
Microcontrollers Applied Control Theory for Embedded Systems (Embedded Technology)  
Embedded Systems Architecture: A Comprehensive Guide for Engineers and Programmers  
(Embedded Technology) Embedded Systems: Real-Time Interfacing to Arm® Cortex™-M  
Microcontrollers DSP for Embedded and Real-Time Systems Real-Time Concepts for Embedded  
Systems Real-Time Software Design for Embedded Systems Real-Time Embedded Components  
and Systems with Linux and RTOS (Engineering)

[Dmca](#)