



Embedded Systems: Real-Time Interfacing to the Msp432 Microcontroller (Paperback)

By Jonathan W Valvano

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 235 x 190 mm. Language: English . Brand New Book ***** Print on Demand *****.This book, published November 2015 as a 1st edition 1st printing, is the second in a series of three books that teach the fundamentals of embedded systems as applied to MSP432 microcontrollers. These books are primarily written for undergraduate electrical and computer engineering students. They could also be used for professionals learning the ARM platform. The first book Embedded Systems: Introduction to the MSP432 is an introduction to computers and interfacing focusing on assembly language and C programming. This second book focuses on interfacing and the design of embedded systems. The third book Embedded Systems: Real-Time Operating Systems for ARM Cortex-M Microcontrollers is an advanced book focusing on operating systems, high-speed interfacing, control systems, and robotics. An embedded system is a system that performs a specific task and has a computer embedded inside. A system is comprised of components and interfaces connected together for a common purpose. This book presents components, interfaces and methodologies for building systems. Specific topics include the architecture of microcontrollers, design methodology, verification, hardware/software synchronization, interfacing devices to the computer, timing...



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