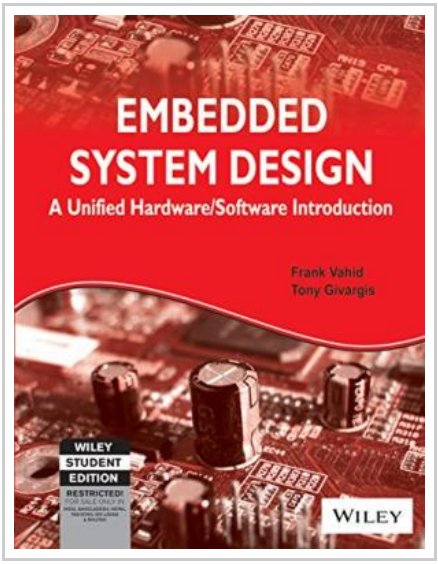

Embedded System Design: A Unified Hardware Software Introduction

By Frank Vahid,Tony Givargis

Wiley India Pvt. Ltd, 2006. Softcover. Book Condition: New. First edition. ummary Of The Book Embedded systems have become commonplace in the modern world today; they are present in practically all electronic consumer goods, from cars to mobile phones to homes to hospitals. Given their relevance in the present day world, there is a necessity to understand them from the point of view of sophisticated tools and hardware-software tradeoffs. Embedded System Design: A Unified Hardware / Software Introduction talks about how to build a hardware/software system which meets requirements, while minimizing costs. The book also speaks of different microprocessors and their common features, saying that a high-level programming language can easily generate hardware. Another concept that is completely new is the presentation of methods to derive hardware implementations of sequential programs. The book then touches upon the software aspect, talking about general-purpose processors and their various components like chips, integrated circuits and buses. Finally, control systems, memory details and advanced computation models are discussed. Some important features of Embedded System Design: A Unified Hardware / Software Introduction are that there are simple examples to illustrate the balance between hardware and software, one of them being a digital camera, which makes...

Reviews

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