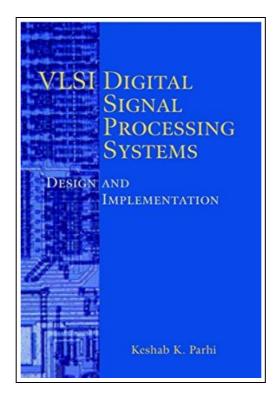
# VLSI Digital Signal Processing Systems: Design and Implementation (Hardback)



Filesize: 2.54 MB

# Reviews

This ebook is wonderful. It really is writter in simple words and phrases rather than difficult to understand. Your daily life span will be change the instant you complete looking at this pdf.

(Kale Bayer)

## VLSI DIGITAL SIGNAL PROCESSING SYSTEMS: DESIGN AND IMPLEMENTATION (HARDBACK)



John Wiley & Sons Inc, United States, 1999. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. Digital audio, speech recognition, cable modems, radar, high-definition television-these are but a few of the modern computer and communications applications relying on digital signal processing (DSP) and the attendant application-specific integrated circuits (ASICs). As information-age industries constantly reinvent ASIC chips for lower power consumption and higher efficiency, there is a growing need for designers who are current and fluent in VLSI design methodologies for DSP. Enter VLSI Digital Signal Processing Systems-a unique, comprehensive guide to performance optimization techniques in VLSI signal processing. Based on Keshab Parhi's highly respected and popular graduate-level courses, this volume is destined to become the standard text and reference in the field. This text integrates VLSI architecture theory and algorithms, addresses various architectures at the implementation level, and presents several approaches to analysis, estimation, and reduction of power consumption. Throughout this book, Dr. Parhi explains how to design high-speed, low-area, and low-power VLSI systems for a broad range of DSP applications. He covers pipelining extensively as well as numerous other techniques, from parallel processing to scaling and roundoff noise computation. Readers are shown how to apply all techniques to improve implementations of several DSP algorithms, using both ASICs and off-the-shelf programmable digital signal processors. The book features hundreds of graphs illustrating the various DSP algorithms, examples based on digital filters and transforms clarifying key concepts, and interesting end-of-chapter exercises that help match techniques with applications. In addition, the abundance of readily available techniques makes this an extremely useful resource for designers of DSP systems in wired, wireless, or multimedia communications. The material can be easily adopted in new courses on either VLSI digital signal processing architectures or high-performance VLSI system design. An invaluable reference and practical guide to VLSI...



Read VLSI Digital Signal Processing Systems: Design and Implementation (Hardback) Online Download PDF VLSI Digital Signal Processing Systems: Design and Implementation (Hardback)

## Other eBooks



#### Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)

John Wiley & Sons Inc, United States, 2013. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. A through guide covering Modern Portfolio Theory as well as the recent developments surrounding it Modern portfolio...

Save PDF

>>



## Asset Pricing Theory (Hardback)

Princeton University Press, United States, 2009. Hardback. Condition: New. Language: English. Brand new Book. Asset Pricing Theory is an advanced textbook for doctoral students and researchers that offers a modern introduction to the theoretical and...

Save PDF

**>>** 



#### **Bayesian Biostatistics (Hardback)**

John Wiley & Sons Inc, United States, 2012. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. The growth of biostatistics has been phenomenal in recent years and has been marked by considerable technical...

Save PDF

>>



## Get into UK Medical School For Dummies (Paperback)

John Wiley & Sons Inc, United States, 2012. Paperback. Condition: New. 1. Auflage. Language: English. Brand new Book. Get the book and get into medical school. Sound simple? Well, it isn't. But Get into UK...

Save PDF



### Fundamentals of Fire Phenomena (Hardback)

John Wiley & Sons Inc, United States, 2006. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. Understanding fire dynamics and combustion is essential in fire safety engineering and in fire science curricula. Engineers...

Save PDF

**»**