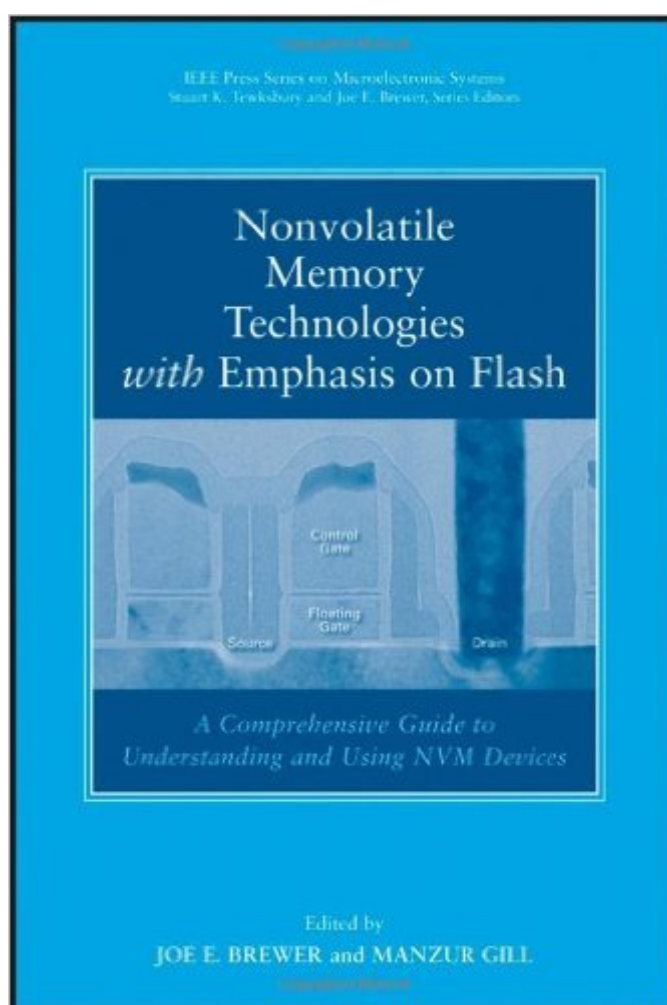# Nonvolatile Memory Technologies With Emphasis On Flash: A Comprehensive Guide To Understanding And Using Flash Memory Devices

Synopsis

Presented here is an all-inclusive treatment of Flash technology, including Flash memory chips, Flash embedded in logic, binary cell Flash, and multilevel cell Flash. The book begins with a tutorial of elementary concepts to orient readers who are less familiar with the subject. Next, it covers all aspects and variations of Flash technology at a mature engineering level: basic device structures, principles of operation, related process technologies, circuit design, overall design tradeoffs, device testing, reliability, and applications.

Book Information

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Customer Reviews

Really good book for nonvolatile memories

this book gives a very nice overview of the important circuits and algorithm for flash design. It does not go into a lot of detail, but describes enough to make you understand. If you are a newbie to flash, then I would say go for it. It covers technology, circuit, algorithm and logic aspects of flash design. So if you are looking for a career in any of these, I would recommend this book. You will learn a lot for sure.

This book will give you an excellent overview on nonvolatile memories, of course, especially about floating-gate Flash.As you can easily expect, each chapter has been written by famous researchers

in academies and industries because this book is one of the IEEE press series.I was able to read through this book so easily because it doesn't deal with headaching theories and equations.You won't be able to get an introductory and in-depth knowledge about some topics in this book.But authors provide a lot of references which help your further study.Good book to overlook what's going on in the field of Flash and new emerging memory.

Very good book. Comprehensive and approachable for a beginner in the area of NVM with emphasis on Flash. Well organized. Highly recommended

This is the only recent one to discuss flash memory with its history, principle, and ckt application. Ab excellent intro book for a general understanding.

Nonvolatile Memory Technologies with Emphasis on Flash: A Comprehensive Guide to Understanding and Using Flash Memory Devices Memory Exercises: Memory Exercises Unleashed: Top 12 Memory Exercises To Remember Work And Life In 24 Hours With The Definitive Memory Exercises Guide! (memory exercises, memory, brain training) AdvancED Flash on Devices: Mobile Development with Flash Lite and Flash 10 (Friends of Ed Abobe Learning Library) After Effects for Flash / Flash for After Effects: Dynamic Animation and Video with Adobe After Effects CS4 and Adobe Flash CS4 Professional Understanding Bergson, Understanding Modernism (Understanding Philosophy, Understanding Modernism) Constellation Shaping, Nonlinear Precoding, and Trellis Coding for Voiceband Telephone Channel Modems: with Emphasis on ITU-T Recommendation V.34 (The ... Series in Engineering and Computer Science) Functional mammalian neuroanatomy,: With emphasis on dog and cat, including an atlas of dog central nervous system The management of pain;: With special emphasis on the use of analgesic block in diagnosis, prognosis, and therapy Vegetable Insect Management: With Emphasis on the Midwest Advanced Electronic Packaging: With Emphasis on Multichip Modules (IEEE Press Series on Microelectronic Systems) An Introduction to the DLNA Architecture: Network Technologies for Media Devices US Army Technical Manual, ARMY DATA SHEETS FOR CARTRIDGES, CARTRIDGE ACTUATED DEVICES AND PROPELLANT ACTUATED DEVICES, FSC 1377, TM 43-0001-39, 1991 Advanced Mos Devices (Modular Series on Solid State Devices, Vol 7) ISO 14971:2007, Medical devices - Application of risk management to medical devices Trauma and Memory: Brain and Body in a Search for the Living Past: A Practical Guide for Understanding and Working with Traumatic Memory BRAIN: 51 Powerful Ways to Improve Brain Power, Enhance

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