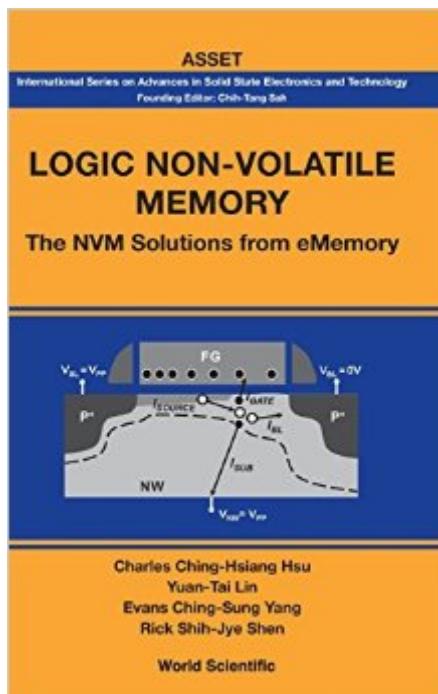


The book was found

Logic Non-Volatile Memory : The NVM Solutions From eMemory (International Series On Advances In Solid State Electronics)



Synopsis

Would you like to add the capabilities of the Non-Volatile Memory (NVM) as a storage element in your silicon integrated logic circuits, and as a trimming sector in your high voltage driver and other silicon integrated analog circuits? Would you like to learn how to embed the NVM into your silicon integrated circuit products to improve their performance? This book is written to help you. It provides comprehensive instructions on fabricating the NVM using the same processes you are using to fabricate your logic integrated circuits. We at our eMemory company call this technology the embedded Logic NVM. Because embedded Logic NVM has simple fabrication processes, it has replaced the conventional NVM in many traditional and new applications, including LCD driver, LED driver, MEMS controller, touch panel controller, power management unit, ambient and motion sensor controller, micro controller unit (MCU), security ID setting tag, RFID, NFC, PC camera controller, keyboard controller, and mouse controller. The recent explosive growth of the Logic NVM indicates that it will soon dominate all NVM applications. The embedded Logic NVM was invented and has been implemented in users' applications by the 200+ employees of our eMemory company, who are also the authors and author-assistants of this book. This book covers the following Logic NVM products: One Time Programmable (OTP) memory, Multiple Times Programmable (MTP) memory, Flash memory, and Electrical Erasable and Programmable Read Only Memory (EEPROM). The fundamentals of the NVM are described in this book, which include: the physics and operations of the memory transistors, the basic building block of the memory cells and the access circuits. All of these products have been used continuously by the industry worldwide. In-depth readers can attain expert proficiency in the implementation of the embedded Logic NVM technology in their products. Readership: Advanced undergraduate students and graduate students in electrical, electronics, computer engineering, and physics departments; university researchers and teachers interested in NVM; device and process engineers; circuit designers; product engineers; reliability engineers; and engineering managers.

Book Information

Series: International Series on Advances in Solid State Electronics

Hardcover: 200 pages

Publisher: World Scientific Publishing Company (May 9, 2014)

Language: English

ISBN-10: 9814460907

ISBN-13: 978-9814460903

Product Dimensions: 6 x 0.8 x 9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,074,234 in Books (See Top 100 in Books) #85 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #91 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #824 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors

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

Logic Non-Volatile Memory : The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics) Logic Non-Volatile Memory: The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics and Technology) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) 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) Charge-Trapping Non-Volatile Memories: Volume 1 - Basic and Advanced Devices Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Optical Processes in Semiconductors (Prentice-Hall electrical engineering series. Solid state physical electronics series) Digital Electronics: A Primer : Introductory Logic Circuit Design (Icp Primers in Electronics and Computer Science) Fiber Optics and Optoelectronics (Prentice Hall Series in Solid State Physical Electronics) Waves and Fields in Optoelectronics (Prentice-Hall series in solid state physical electronics) Fundamentals of Solid-State Electronics: Solution Manual Basic Solid-State Electronics, Complete Course (5 Vols. in 1) Fundamentals of Solid State Electronics Basic Solid State Electronics: The Configuration and Management of Information Systems (5 Volume Set) Solid-State Electronics Fundamentals of Quantum Mechanics: For Solid State Electronics and Optics Non Fiction Writing Templates: 44 Tips to Create Your Own Non Fiction Book (Writing Templates, Writing Non Fiction, Kindle Publishing) Eco-Friendly Cleaning: Money Saving Solutions for a Clean, Green, All-Natural, Non-Toxic, Eco-Friendly Home (eco-friendly, sustainability, homesteading, ... natural cleaning, green home, non-toxic) BRAIN: 51 Powerful Ways to Improve Brain Power, Enhance Memory,

Intelligence and Concentration NATURALLY! (MEMORY, Memory Improvement, Learning, Brain Training)

[Dmca](#)