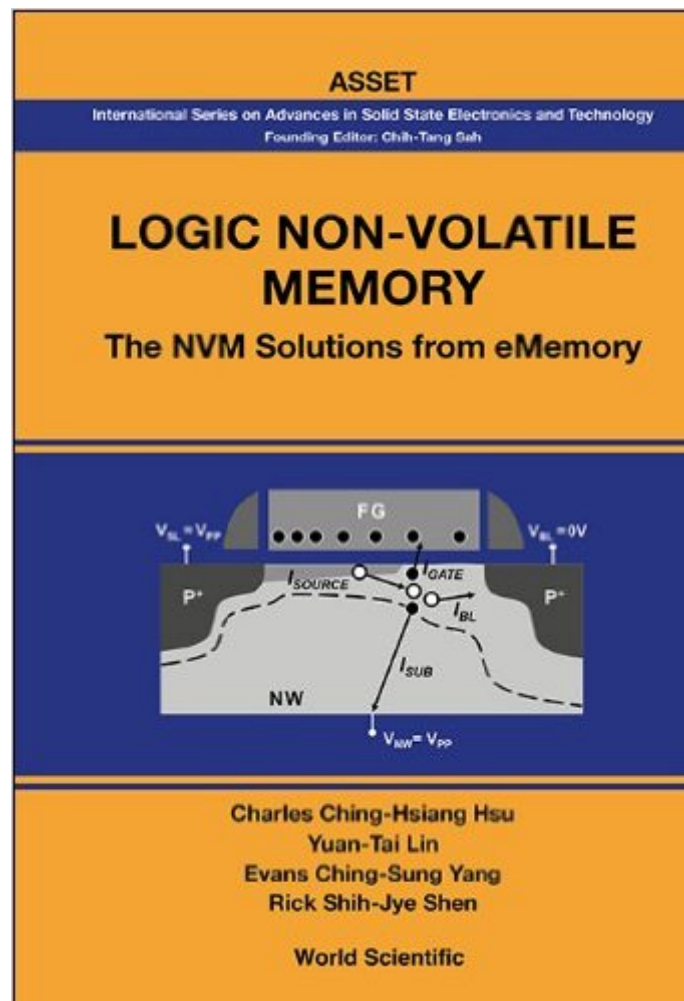


The book was found

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



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 Electrically Erasable 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.

Book Information

File Size: 15535 KB

Print Length: 316 pages

Page Numbers Source ISBN: 9814460907

Publisher: WSPC (March 18, 2014)

Publication Date: April 7, 2015

Sold by:Â Digital Services LLC

Language: English

ASIN: B00VR4RRBS

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #2,325,644 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #19

in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Solid State #93 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #116 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State

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

Logic Non-Volatile Memory: The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics and Technology) Logic Non-Volatile Memory : The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics) 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) Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Charge-Trapping Non-Volatile Memories: Volume 1 - Basic and Advanced Devices 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) Basic Solid State Electronics: The Configuration and Management of Information Systems (5 Volume Set) Fundamentals of Quantum Mechanics: For Solid State Electronics and Optics Fundamentals of Solid-State Electronics: Solution Manual Basic Solid-State Electronics, Complete Course (5 Vols. in 1) Fundamentals of Solid State Electronics Solid-State Electronics Programmable Controllers and Designing Sequential Logic (Saunders College Publishing Series in Electronics Technology) Non Fiction Writing Templates: 44 Tips to Create Your Own Non Fiction Book (Writing Templates, Writing Non Fiction, Kindle Publishing) Magnetic Bubble Technology (Springer Series in Solid-State Sciences)

