

Editorial Review

From the Back Cover

This book describes the basic technologies and operation principles of charge-trapping non-volatile memories. The authors explain the device physics of each device architecture and provide a concrete description of the materials involved as well as the fundamental properties of the technology. Modern material properties used as charge-trapping layers, for new applications are introduced.

About the Author

Dr Panagiotis Dimitrakis graduated the Physics Department of the University of Athens (BSc 1995, MSc 1998) and received his PhD degree in the field of nanocrystal memories in 2006 from the School of Applied Mathematical and Physical Sciences of the National Technical University of Athens (NTUA). He has been employed by University of Athens, NTUA and National Research Center for Scientific Research “Demokritos” (NCSR) in several Greek and competitive EU research projects as research scientist. In addition, he was principal investigator for NCSR in a project funded by European Space Agency (ESA) on tunable photo-detector based on QDs. Currently, he is coordinating a project on resistive memories using graphene. He has published 50 papers in international peer-reviewed journals. He has 10 invited talks and more than 40 papers in international conference proceeding volumes on the physics and the electrical characterization of submicron MOSFETs, novel FET nano-devices, nonvolatile memories, and organic electronic devices. Also he has published two book chapters in the field of nanoelectronic memories. More specifically, he has co-organized the NVM symposia in MRS Meetings from 2010 up to 2014. He is a Member of IEEE (Electron Devices Society) and Material Research Society (MRS) and reviewer in several international journals. He has participated in the technical program committees and has organized several international conferences and Workshops in Europe and USA and edited their proceedings. Presently, he is with Institute of Nanoscience & Nanotechnology (INN)-NCSR (since 2007) where he is the manager of the Central Cleanroom Facility-Nanotechnology & Microsystems Laboratory. His research interests are focused in the field of nonvolatile memory devices, hybrid organic/inorganic semiconductor nano-devices, Graphene nanoelectronic devices as well as the physics and characterization of nanowire

transistors and novel nanostructured photovoltaic devices.

Users Review

From reader reviews:

William Deck:

In this 21st hundred years, people become competitive in each way. By being competitive today, people have do something to make these survives, being in the middle of the particular crowded place and notice by means of surrounding. One thing that at times many people have underestimated the item for a while is reading. Sure, by reading a reserve your ability to survive boost then having chance to stand up than other is high. For you personally who want to start reading a new book, we give you this Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices book as basic and daily reading guide. Why, because this book is more than just a book.

William Pak:

Typically the book Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices has a lot info on it. So when you make sure to read this book you can get a lot of benefit. The book was written by the very famous author. The author makes some research before write this book. That book very easy to read you can get the point easily after reading this book.

Lisa Haight:

Playing with family in the park, coming to see the sea world or hanging out with good friends is thing that usually you might have done when you have spare time, and then why you don't try matter that really opposite from that. One particular activity that make you not experience tired but still relaxing, trilling like on roller coaster you have been ride on and with addition info. Even you love Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices, you are able to enjoy both. It is excellent combination right, you still want to miss it? What kind of hangout type is it? Oh can occur its mind hangout fellas. What? Still don't obtain it, oh come on its known as reading friends.

Patricia Whetsel:

Is it an individual who having spare time then spend it whole day simply by watching television programs or just telling lies on the bed? Do you need something new? This Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices can be the solution, oh how comes? It's a book you know. You are therefore out of date, spending your time by reading in this new era is common not a nerd activity. So what these books have than the others?

Download and Read Online Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer #QB EYL4RZ68J

Read Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer for online ebook

Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer books to read online.

Online Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer ebook PDF download

Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer Doc

Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer Mobipocket

Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer EPub

QBEYL4RZ68J: Charge-Trapping Non-Volatile Memories: Volume 1 – Basic and Advanced Devices From Springer