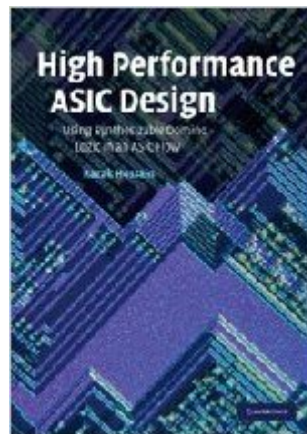




**Ebook Directory**  
the best source of ebook

**The book was found**

# **High Performance ASIC Design: Using Synthesizable Domino Logic In An ASIC Flow**



## Synopsis

Presenting a methodology for using domino logic in an ASIC design flow developed over several years in an industrial context, this text covers practical issues related to the use of domino logic in an automated framework, and brings together all the knowledge needed to apply these design techniques in practice. Beginning with a discussion of how to achieve high speed in ASIC designs, subsequent chapters detail the design and characterization of standard cell compatible domino logic libraries and an advanced domino logic synthesis flow. The results achieved by using automated domino logic design techniques, including silicon measurements, are used to validate the presented solution. With design examples including the implementation of the execution unit of a microprocessor and a Viterbi decoder, this text is ideal for graduate students and researchers in electrical and computer engineering and also for circuit designers in industry.

## Book Information

Hardcover: 160 pages

Publisher: Cambridge University Press; 1 edition (September 15, 2008)

Language: English

ISBN-10: 0521873347

ISBN-13: 978-0521873345

Product Dimensions: 6.8 x 0.5 x 9.7 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,576,133 in Books (See Top 100 in Books) #96 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #546 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #687 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic

## Customer Reviews

Presenting a methodology for using domino logic in an ASIC design flow, this text covers all the knowledge needed to apply these design techniques in practice and includes detailed, real-world design examples. This is ideal for graduate students and researchers in electrical and computer engineering, and circuit designers in industry.

Razak Hossain is Senior Principal Engineer at STMicroelectronics, San Diego, California, where he

has worked since 2000 on high speed ASIC chips and design methodologies. He gained his Ph.D. in Electrical Engineering from the University of Rochester, New York, in 1995, before taking a position at Mentor Graphics Corporation, Warren, New Jersey.

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

High Performance ASIC Design: Using Synthesizable Domino Logic in an ASIC Flow domino: Your Guide to a Stylish Home (DOMINO Books) High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) Variety Logic Puzzles Book: Summer Brain Games(Wordsearch, Domino, LadderWord, Minesweeper, Crossword) to Keep Your Brain Healthy Every Day(Volume 2) Variety Logic Puzzles Book: Winter Brain Games(Wordsearch, Domino, LadderWord, Minesweeper, Crossword) to Keep Your Brain Healthy Every Day(Volume 2) The ASIC Handbook Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles Socratic Logic: A Logic Text using Socratic Method, Platonic Questions, and Aristotelian Principles, Edition 3.1 Introduction to Logic Circuits & Logic Design with VHDL Introduction to Logic Circuits & Logic Design with Verilog Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) High Blood Pressure Cure: How To Lower Blood Pressure Naturally in 30 Days (Alternative Medicine, Natural Cures, Natural Remedies, High Blood Pressure ... Cures for High Blood Pressure, High BI) Domino: The Book of Decorating: A Room-by-Room Guide to Creating a Home That Makes You Happy The Domino Diaries: My Decade Boxing with Olympic Champions and Chasing Hemingway's Ghost in the Last Days of Castro's Cuba The Domino Effect Pirin National Park (Bulgaria) 1:50,000 Hiking Map, GPS-compatible DOMINO, 2014 edition Sofia (Bulgaria) 1:19,000 Street Map by DOMINO, in English Rila Mountains (Bulgaria) 1:50,000 Hiking Map, GPS-compatible DOMINO Performance-Based Medicine: Creating the High Performance Network to Optimize Managed Care Relationships The Lost Art of High Performance Driving: How to Get the Most Out of Your Modern Performance Car (Speed Secrets)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)