

**Critical Reading Books for VLSI Design, Computer Architecture, and Digital System
Design**

CMOS VLSI Design: A Circuits and Systems Perspective (3rd Edition)
by Neil H.E. Weste, David Harris
ISBN: 0321149017

CMOS Logic Circuit Design
by John P. Uyemura
ISBN: 0792384520

Synthesis and Optimization of Digital Circuits
by Giovanni De Micheli
ISBN: 0070163332

Power Aware Design Methodologies
by Massoud Pedram, Jan M. Rabaey
ISBN: 1402071523

Low Power Design Methodologies
by Jan M. Rabaey (Editor), Massoud Pedram (Editor)
ISBN: 0792396308

Essentials of Electronic Testing for Digital, Memory, and Mixed-Signal VLSI Circuits
by Michael L. Bushnell, Vishwani D. Agrawal
ISBN: 0792379918

Analysis and Design of Digital Integrated Circuits
David A. Hodges, Horace G. Jackson, and Resve A. Saleh
ISBN: 0072283653

Analysis and Design of Analog Integrated Circuits (4th Edition)
by Paul R. Gray, Paul J. Hurst, Stephen H. Lewis, Robert G. Meyer
ISBN: 0471321680

The Design of CMOS Radio-Frequency Integrated Circuits, Second Edition
by Thomas H. Lee
ISBN: 0521835399

Low Voltage, Low Power VLSI Subsystems
by Kiat-Seng Yeo, Kaushik Roy
ISBN: 007143786X

Design of High-Performance Microprocessor Circuits
by Anantha Chandrakasan (Editor), William J. Bowhill (Editor), Frank Fox (Editor)

ISBN: 078036001X

Low Power Digital CMOS Design
by Anantha P. Chandrakasan, R.W. Brodersen
ISBN: 079239576X

Digital System Clocking: High-Performance and Low-Power Aspects
by Vojin G. Oklobdzija, Vladimir M. Stojanovic, Dejan M. Markovic, Nikola M. Nedovic
ISBN: 047127447X

Skew-Tolerant Circuit Design
by David Harris
ISBN: 155860636X

Logical Effort: Designing Fast CMOS Circuits
by Ivan Sutherland, Robert F. Sproull, David Harris
ISBN: 1558605576

High-Performance System Design: Circuits and Logic
by Vojin G. Oklobdzija (Editor)
ISBN: 0780347161

Digital Arithmetic
by Milo D. Ercegovic, Tomás Lang
ISBN: 1558607986

Design of Analog CMOS Integrated Circuits
by Behzad Razavi
ISBN: 0072380322

Contemporary Logic Design
by Gaetano Boriello, Randy Katz
ISBN: 0131278304

Logic Design Principles: With Emphasis on Testable Semicustom Circuits
by Edward J. McCluskey
ISBN: 0135397847

Switching and Finite Automata Theory
by Zvi Kohavi
ISBN: 0070353107

Computer Organization and Design: The Hardware/Software Interface, Third Edition
by David A. Patterson, John L. Hennessy
ISBN: 1558606041

Modern Processor Design: Fundamentals of Superscalar Processors
by John P. Shen, Mikko Lipasti, John Shen
ISBN: 0072829680

Operating System Concepts
by Abraham Silberschatz, Peter Baer Galvin, Greg Gagne
ISBN: 0471694665

Compilers
by Alfred V. Aho, Ravi Sethi, Jeffrey D. Ullman
ISBN: 0201100886

Advanced Compiler Design and Implementation
by Steven Muchnick
ISBN: 1558603204

High-Speed Digital Design: A Handbook of Black Magic
by Howard Johnson
ISBN: 0133957241

Practical Low Power Digital VLSI Design
by Gary K. Yeap
ISBN: 0792380096

An Introduction To VLSI Physical Design
by Majid Sarrafzadeh, C. K. Wong
ISBN: 0070571945

Structure and Interpretation of Computer Programs - 2nd Edition
by Harold Abelson, Gerald Jay Sussman
ISBN: 0262510871

Introduction to Algorithms, Second Edition
by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein
ISBN: 0262531968

The C Programming Language (2nd Edition)
by Brian W. Kernighan, Dennis Ritchie
ISBN: 0131103628

Discrete Mathematics and Its Applications
by Kenneth H Rosen
ISBN: 0072930330

Microelectronic Circuits
by Adel S. Sedra, Kenneth C. Smith

ISBN: 0195142519

Computer Arithmetic Algorithms

by Israel Koren

ISBN: 1568811608

Algorithms for VLSI Physical Design Automation

by Naveed A. Sherwani

ISBN: 0792383931

VLSI Digital Signal Processing Systems: Design and Implementation

by Keshab K. Parhi

ISBN: 0471241865

Logic Synthesis and Verification Algorithms

by Gary D. Hachtel, Fabio Somenzi

ISBN: 0792397460

Applied Cryptography: Protocols, Algorithms, and Source Code in C

by Bruce Schneier

ISBN: 0471117099

VLSI Technology (Hardcover)

by Simon Sze

ISBN: 0070627355

Advanced Semiconductor Memories: Architectures, Designs, and Applications (Hardcover)

by Ashok K. Sharma

ISBN: 0471208132

Design of Analog-Digital VLSI Circuits for Telecommunications and Signal Processing

by Jose Epifanio Franca, Yannis Tsividis

ISBN: 0132036398

Mixed Analog-Digital Vlsi Device and Technology

by Yannis Tsividis

ISBN: 9812381112

Design with Operational Amplifiers and Analog Integrated Circuits

by Sergio Franco

ISBN: 0072320842

Writing Testbenches: Functional Verification of HDL models

by Janick Bergeron

ISBN-10: 0-387-29221-7

ISBN-13: 978-0-387-29221-2

Verification Methodology Manual for SystemVerilog
by: Janick Bergeron, et al.
ISBN-10: 0-387-25538-9
ISBN-13: 978-0-387-25538-5