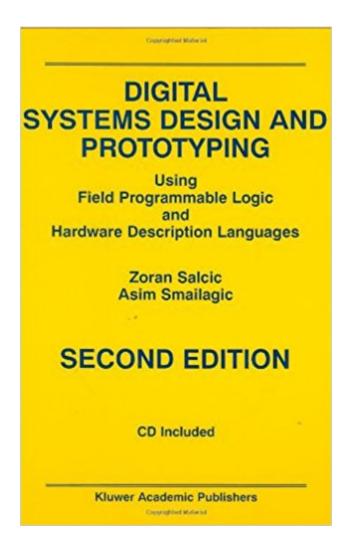
## The book was found

# Digital Systems Design And Prototyping: Using Field Programmable Logic And Hardware Description Languages





# Synopsis

Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware Description Languages, Second Edition covers the subject of digital systems design using two important technologies: Field Programmable Logic Devices (FPLDs) and Hardware Description Languages (HDLs). These two technologies are combined to aid in the design, prototyping, and implementation of a whole range of digital systems from very simple ones replacing traditional glue logic to very complex ones customized as the applications require. Three HDLs are presented: VHDL and Verilog, the widely used standard languages, and the proprietary Altera HDL (AHDL). The chapters on these languages serve as tutorials and comparisons are made that show the strengths and weaknesses of each language. A large number of examples are used in the description of each language providing insight for the design and implementation of FPLDs. With the addition of the Altera UP-1 prototyping board, all examples can be tested and verified in a real FPLD. Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware Description Languages, Second Edition is designed as an advanced level textbook as well as a reference for the professional engineer.

# **Book Information**

Hardcover: 621 pages

Publisher: Springer; 2nd edition (October 1, 2000)

Language: English

ISBN-10: 0792379209

ISBN-13: 978-0792379201

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,945,630 in Books (See Top 100 in Books) #82 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #609 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Logic #891 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design

### Download to continue reading...

Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware

Description Languages FPGA-Based Prototyping Methodology Manual: Best Practices in

Design-For-Prototyping Programmable Logic Controllers: Hardware and Programming VLSI Chip

Design with the Hardware Description Language VERILOG: An Introduction Based on a Large RISC Processor Design ECHO USER GUIDE: The Official User Guide For Using Your Echo (technology mobile communication kindle alexa computer hardware) ( Echo ... & Technology Ebooks Hardware & DYI) Digital Signal Processing with Field Programmable Gate Arrays (Signals and Communication Technology) Description of the Colt's double-action revolver, caliber .38, with rules for management, memoranda of trajectory, and description of ammunition Advanced Digital Logic Design Using VHDL, State Machines, and Synthesis for FPGA's Programmable Controllers and Designing Sequential Logic (Saunders College Publishing Series in Electronics Technology) Fundamentals of Programmable Logic Controllers, Sensors, and Communications (3rd Edition) Mitsubishi FX Programmable Logic Controllers, Second Edition: Applications and Programming Programmable Logic Controllers: Principles and Applications (5th Edition) Mitsubishi FX Programmable Logic Controllers: Applications and Programming Programmable Logic Controllers: Operation, Interfacing and Programming Programmable Logic Controllers, Third Edition Introduction to Programmable Logic Controllers, 3rd Edition Programmable Logic Controllers Programmable Logic Controllers (2nd Edition) Programmable Logic Controllers Textbook w/ PLC Stimulation Software Programmable Logic Controller (PLC) Tutorial, Siemens Simatic S7-200

**Dmca**