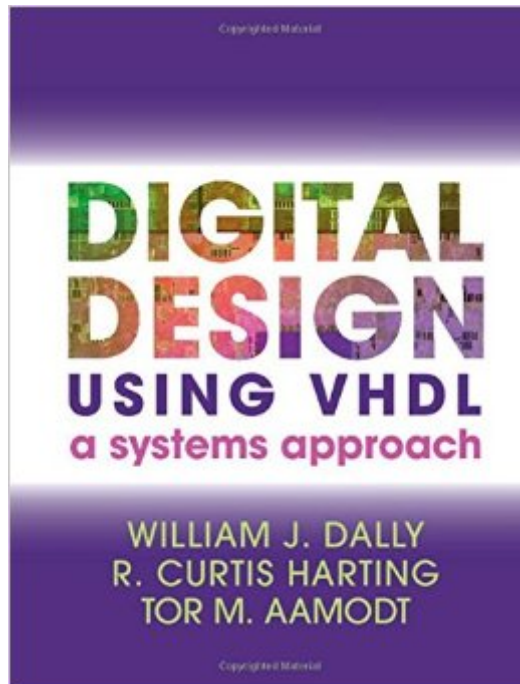


The book was found

# Digital Design Using VHDL: A Systems Approach



## Synopsis

This introductory textbook provides students with a system-level perspective and the tools they need to understand, analyze and design digital systems. Going beyond the design of simple combinational and sequential modules, it shows how such modules are used to build complete systems, reflecting real-world digital design. All the essential topics are covered, including design and analysis of combinational and sequential modules, as well as system timing and synchronization. It also teaches how to write VHDL-2008 HDL in a productive and maintainable style that enables CAD tools to do much of the tedious work. A complete introduction to digital design is given through clear explanations, extensive examples and online VHDL files. The teaching package is completed with lecture slides, labs and a solutions manual for instructors. Assuming no previous digital knowledge, this textbook is ideal for undergraduate digital design courses that will prepare students for modern digital practice.

## Book Information

Hardcover: 721 pages

Publisher: Cambridge University Press; 1 edition (March 9, 2016)

Language: English

ISBN-10: 1107098866

ISBN-13: 978-1107098862

Product Dimensions: 7.4 x 1.4 x 9.7 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,486,602 in Books (See Top 100 in Books) #192 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated #423 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design #458 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

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

Digital Design Using VHDL: A Systems Approach Digital Systems Design Using VHDL Advanced Digital Logic Design Using VHDL, State Machines, and Synthesis for FPGA's Digital Design with RTL Design, VHDL, and Verilog Fundamentals of Digital Logic with VHDL Design Fundamentals of Digital and Computer Design with VHDL RTL Hardware Design Using VHDL: Coding for Efficiency, Portability, and Scalability Digital Design (Verilog): An Embedded Systems Approach Using Verilog

Measuring the Digital World: Using Digital Analytics to Drive Better Digital Experiences (FT Press Analytics) The Student's Guide to VHDL, Second Edition (Systems on Silicon) Finite State Machines in Hardware: Theory and Design (with VHDL and SystemVerilog) (MIT Press) Circuit Design with VHDL Introduction to Embedded Systems: Using ANSI C and the Arduino Development Environment (Synthesis Lectures on Digital Circuits and Systems) Digital Systems Design and Prototyping: Using Field Programmable Logic and Hardware Description Languages Digital Systems Design: A Practical Approach: The Verilog Edition Digital Design: A Systems Approach Fotografia Submarina / Underwater Photography: Tecnicas Fotograficas / Digital and Traditional Techniques (Ocio Digital / Leisure Digital) (Spanish Edition) The Complete Digital Video Guide: A Step-by-Step Handbook for Making Great Home Movies Using Your Digital Camcorder Emergency Relief System Design Using DIERS Technology: The Design Institute for Emergency Relief Systems (DIERS) Project Manual Effective Coding with VHDL: Principles and Best Practice (MIT Press)

[Dmca](#)