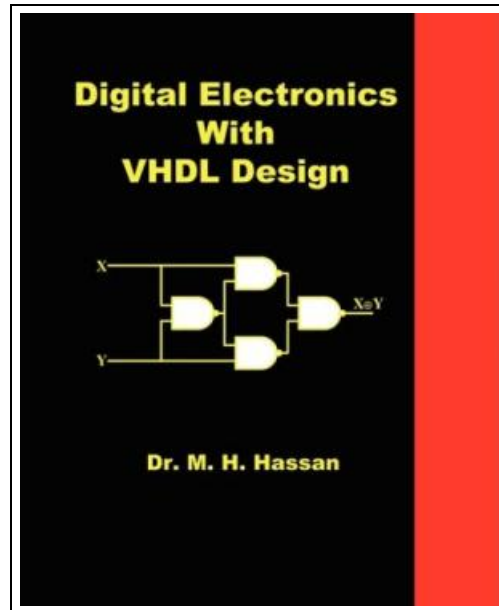


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Innovate LLC, United States, 2008. Paperback. Condition: New. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. This book presents the theory that is necessary for understanding the fundamentals of digital logic design in an easily understandable approach without the use of unnecessary formalism. It emphasizes the design of digital networks and systems with clear explanations, exceptional collection of design examples, solved problems, and many exercises. The text provides such fundamental concepts as number systems, Boolean algebra, logic gates, minimization of logic functions, combinational network design with logic gates, combinational logic design with standard modules, arithmetic network design, and introduction to design reliability of digital systems. The text presents, after covering the basics, modern design techniques using programmable logic devices and the VHDL hardware description language. The book also introduces Altera s Quartus II CAD software. This textbook is intended for an introductory course in logic design, taken by engineering, engineering technology, and computer science students, for self-learning, or as a good reference for engineers and professionals. About the Author: Michael H. Hassan holds B.S. in Electrical Engineering, M.S. in Electronics Engineering; and M.S. and Ph.D. in Electrical and Computer Engineering from WSU, Michigan, USA. He is a Senior Member of IEEE, member of Sigma Xi, the Scientific Research Society, Tau Beta Pi, the Engineering Honor Society, and Eta Kappa Nu, the Electrical Engineering Honor Society. Dr. Hassan received the IEEE 2009 Outstanding Engineering Educator Award. His teaching and research interests include digital systems theory and design, microcomputer systems, microelectronics and VLSI design, Reconfigurable computing, image processing and vision systems, communication systems and networks, and alternative energy systems. He is the author of many papers and four textbooks including Microprocessors and Systems Design...



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