1. Record Nr. UNINA9910349472803321

Titolo	Principles and Structures of FPGAs / / edited by Hideharu Amano
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-13-0824-1 9789811308246
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (IX, 231 p. 176 illus., 34 illus. in color.)
Disciplina	621.395
Soggetti	Logic design Electronic circuits Electronics Microelectronics Logic Design Circuits and Systems Electronic Circuits and Devices Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Basic knowledge to understand FPGAs -- Chapter 2: What is an FPGA? -- Chapter 3: FPGA Structure -- Chapter 4: Design flow and design tools -- Chapter 5: Design Methodology -- Chapter 6: Hardware Algorithms -- Chapter 7: Programmable Logic Devices (PLDs) in Practical Applications -- Chapter 8: Advanced Devices and Architectures.
Sommario/riassunto	This comprehensive textbook on the field programmable gate array (FPGA) covers its history, fundamental knowledge, architectures, device technologies, computer-aided design technologies, design tools, examples of application, and future trends. Programmable logic devices represented by FPGAs have been rapidly developed in recent years and have become key electronic devices used in most IT products. This book provides both complete introductions suitable for students and beginners, and high-level techniques useful for engineers and researchers in this field. Differently developed from usual integrated

	circuits, the FPGA has unique structures, design methodologies, and application techniques. Allowing programming by users, the device can dramatically reduce the rising cost of development in advanced semiconductor chips. The FPGA is now driving the most advanced semiconductor processes and is an all-in-one platform combining memory, CPUs, and various peripheral interfaces. This book introduces the FPGA from various aspects for readers of different levels. Novice learners can acquire a fundamental knowledge of the FPGA, including its history, from Chapter 1; the first half of Chapter 2; and Chapter 4. Professionals who are already familiar with the device will gain a deeper understanding of the structures and design methodologies from Chapters 3 and 5. Chapters 6–8 also provide advanced techniques and cutting-edge applications and trends useful for professionals. Although the first parts are mainly suitable for students, the advanced sections of the book will be valuable for professionals in acquiring an in-depth understanding of the FPGA to maximize the performance of the device.

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Record Nr.	UNIORUON00483823
Autore	SINISI, Agnese
Titolo	Economia, istituzioni agrarie e gruppi sociali in Basilicata (1861-1914) / Agnese Sinisi
Pubbl/distr/stampa	Napoli, : Giannini, 1989
Descrizione fisica	438 p. ; 21 cm.
Disciplina	945.73
Soggetti	Economia - Italia meridionale
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia