

1. Record Nr.	UNINA9910830276903321
Autore	Darche Philippe
Titolo	Microprocessor 4 : Core concepts -- Hardware aspects // Philippe Darche
Pubbl/distr/stampa	London, England ; ; Hoboken, New Jersey : , : ISTE, Ltd. : , : John Wiley & Sons, Incorporated, , [2020] Â©2020
ISBN	1-119-80196-6 1-119-80197-4 1-119-80195-8
Descrizione fisica	1 online resource (261 pages) : illustrations
Collana	Computer engineering series
Disciplina	004.16
Soggetti	Microprocessors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Matter -- Coding and Addressing Modes -- Instruction Set and Class -- Additional Concepts -- Subroutine -- Interrupt Mechanism -- Conclusion of Volume 4 -- Exercises -- Tables for Encoding and Decoding Instructions -- Acronyms -- References -- Index -- Other titles from iSTE in Computer Engineering
Sommario/riassunto	Since its commercialization in 1971, the microprocessor, a modern and integrated form of the central processing unit, has continuously broken records in terms of its integrated functions, computing power, low costs and energy saving status. Today, it is present in almost all electronic devices. Sound knowledge of its internal mechanisms and programming is essential for electronics and computer engineers to understand and master computer operations and advanced programming concepts. This book in five volumes focuses more particularly on the first two generations of microprocessors, those that handle 4- and 8- bit integers. Microprocessor 4 - the fourth of five volumes - addresses the software aspects of this component. Coding of an instruction, addressing modes and the main features of the Instruction Set Architecture (ISA) of a generic component are presented. Futhermore, two approaches are discussed for altering the flow of execution using mechanisms of subprogram and interrupt. A

comprehensive approach is used, with examples drawn from current and past technologies that illustrate theoretical concepts, making them accessible.

2. Record Nr.	UNINA9911058127303321
Autore	Singh Priyanka
Titolo	Solid Waste Management : Challenges, Sustainability and Advancements
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2026 ©2026
ISBN	1-394-26794-0 1-394-26799-1 1-394-26795-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (474 pages)
Disciplina	363.72
Soggetti	Refuse and refuse disposal Sustainable development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Tackle the global challenge of environmental sustainability with this essential book, which provides a critical review of innovative and sustainable solid waste management strategies by leveraging advanced technologies like AI and geographic information system-based predictive models.