1. Record Nr. UNINA9910688494703321

Titolo	Integrated circuits/microchips / / edited by Kim Ho Yeap, Jonathan Sayago
Pubbl/distr/stampa	London : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (204 pages)
Disciplina	621.3815
Soggetti	Integrated circuits - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introductory Chapter: Integrated Circuit Chip -- 2. Ultra-Low-Voltage IC Design Methods -- 3. Tunnel Field Effect Transistors Based on Two-Dimensional Material Van-der-Waals Heterostructures -- 4. Crystal Polymorph Control for High-Performance Organic Field-Effect Transistors -- 5. High Capacitance Dielectrics for Low Voltage Operated OFETs -- 6. Tackling the Problem of Dangerous Radiation Levels with Organic Field-Effect Transistors -- 7. CMOS Integrated Circuits for Various Optical Applications -- 8. Area-Efficient Spin-Orbit Torque Magnetic Random-Access Memory -- 9. Computationally Efficient Hybrid Interpolation and Baseline Restoration of the Brain-PET Pulses.
Sommario/riassunto	With the world marching inexorably towards the fourth industrial revolution (IR 4.0), one is now embracing lives with artificial intelligence (AI), the Internet of Things (IoTs), virtual reality (VR) and 5G technology. Wherever we are, whatever we are doing, there are electronic devices that we rely indispensably on. While some of these technologies, such as those fueled with smart, autonomous systems, are seemingly precocious; others have existed for quite a while. These devices range from simple home appliances, entertainment media to complex aeronautical instruments. Clearly, the daily lives of mankind today are interwoven seamlessly with electronics. Surprising as it may seem, the cornerstone that empowers these electronic devices is nothing more than a mere diminutive semiconductor cube block. More colloquially referred to as the Very-Large-Scale-Integration (VLSI) chip or an

	integrated circuit (IC) chip or simply a microchip, this semiconductor cube block, approximately the size of a grain of rice, is composed of millions to billions of transistors. The transistors are interconnected in such a way that allows electrical circuitries for certain applications to be realized. Some of these chips serve specific permanent applications and are known as Application Specific Integrated Circuits (ASICS); while, others are computing processors which could be programmed for diverse applications. The computer processor, together with its supporting hardware and user interfaces, is known as an embedded system.In this book, a variety of topics related to microchips are extensively illustrated. The topics encompass the physics of the microchip device, as well as its design methods and applications.

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Record Nr.	UNINA9910953540503321
Titolo	Popularizing anthropology / / edited by Jeremy MacClancy and Chris McDonaugh
Pubbl/distr/stampa	London ; ; New York, : Routledge, 1996
ISBN	1-134-77794-9 1-134-77795-7 1-280-35493-3 0-203-43675-X 0-203-28544-1
Edizione	[1st ed.]
Descrizione fisica	viii, 253 p
Altri autori (Persone)	MacClancyJeremy McDonaughChris <1953->
Disciplina	301
Soggetti	Anthropology Human beings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	chapter 1 Popularizing anthropology / Jeremy MacClancy -- chapter 2 Tricky tropes -- Styles of the popular and the pompous / Alan Campbell -- chapter 3 Typecasting -- Anthropology’s dramatis

personae / Wendy James -- chapter 4 The chrysanthemum continues to flower -- Ruth Benedict and some perils of popular anthropology / Joy Hendry -- chapter 5 Communicating culture -- Margaret Mead and the practice of popular anthropology / William E. Mitchell -- chapter 6 Enlarging the context of anthropology -- The case of Anthropology Today / Jonathan Benthall -- chapter 7 Claude Levi-Strauss and Louis Dumont -- Media portraits / Dominique Casajus -- chapter 8 Proximity and distance: representations of Aboriginal society in the writings of Bill Harney -- Representations of Aboriginal society in the writings of Bill Harney and Bruce Chatwin / Howard Morphy -- chapter 9 Women readers -- Other Utopias and own bodily knowledge / Judith Okely -- chapter 10 A bricoleur's workshop -- Writing Les lances du crepuscule / Philippe Descola -- chapter 11 Fieldwork styles: Bohannan, Barley, and Gardner -- Bohannan, Barley, and Gardner / Jeremy MacClancy.