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	Nota di contenuto	From Smart Devices to Smarter Systems: The Evolution of Artificial Intelligence of Things (AIoT) with Characteristics, Architecture, Use cases and Challenges -- AI enabled human and machine activity monitoring in Industrial IoT systems -- AI Model for Block-chain Based Industrial IoT and Big Data Analytics -- SIMDPS: Smart Industry Monitoring And Disaster Prediction System -- An Artificial Intelligence Based Sustainable Approaches - IoT Systems for Smart Cities -- Empowering Artificial Intelligence of Things (AIoT) toward Smart Healthcare Systems -- AI Enabled Internet of Medical Things In Smart Healthcare -- AI Model for Blockchain based Industrial Application in Healthcare IoT.
	Sommario/riassunto	The goal of this book is to explore various security paradigms such as Machine Learning, Big data, Cyber Physical Systems, and Blockchain to address both intelligence and reconfigurability in various IoT devices.

The book further aims to address and analyze the state of the art of blockchain-based intelligent networks in IoT systems and related technologies including healthcare sector. AI can ease, optimize, and automate the blockchain-based decision-making process for better governance and higher performance in IoT systems. Considering the incredible progress made by AI models, a blockchain system powered by intelligent AI algorithms can detect the existence of any kind of attack and automatically invoke the required defense mechanisms. In case of unavoidable damage, AI models can help to isolate the compromised component from the blockchain platform and safeguard the overall system from crashing. Furthermore, AI models can also contribute toward the robustness and scalability of blockchain-based intelligent IoT networks. The book is designed to be the first-choice reference at university libraries, academic institutions, research and development centers, information technology centers, and any institutions interested in integration of AI and IoT. The intended audience of this book include UG/PG students, Ph.D. scholars of this fields, industry technologists, young entrepreneurs, professionals, network designers, data scientists, technology specialists, practitioners, and people who are interested in exploring the role of AI and blockchain technology in IoT systems.