

1. Record Nr.	UNISA996217800003316
Titolo	1998 Fourth International Symposium on High-Performance Computer Architecture : proceedings, Las Vegas, Nevada, February 1-4, 1998
Pubbl/distr/stampa	[Place of publication not identified], : IEEE Computer Society Press, 1998
Disciplina	004.2/2
Soggetti	Computer architecture - Congresses High performance computing - Congresses Engineering & Applied Sciences Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
2. Record Nr.	UNINA9910842293203321
Titolo	Blockchain and Smart-Contract Technologies for Innovative Applications / / edited by Nour El Madhoun, Ioanna Dionysiou, Emmanuel Bertin
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-50028-8
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (304 pages)
Disciplina	005.74
Soggetti	Telecommunication Cooperating objects (Computer systems) Blockchains (Databases) Communications Engineering, Networks Cyber-Physical Systems Blockchain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di bibliografia

Includes bibliographical references and index.

Nota di contenuto

Introduction -- Fundamentals of blockchain and smart-contracts -- Surveys on blockchain and smart contracts -- IoT Applications -- Healthcare Applications -- Finance Applications -- Government and E-voting Applications -- Energy Applications -- Metaverse and NFT Applications -- Telecommunications Applications -- Conclusion.

Sommario/riassunto

This book is an in-depth exploration of blockchain and smart contracts technologies, systematically addressing their theoretical foundations while highlighting concrete applications in several key sectors. It begins by defining the fundamentals of blockchain and smart contracts, then ventures into the legal domain, analyzing the implications of automated contracts from both backend and frontend perspectives. A particular focus is placed on a sustainable design for cryptocurrencies, anticipating the principles and expectations of the future. The book then provides a detailed taxonomy of blockchain's financial applications, while also examining its role in managing scientific workflows. The fascinating world of NFTs is also explored, from the tokenization of fine arts to innovative event ticketing systems. The convergence between ontologies and blockchain technology is then highlighted, followed by an in-depth assessment of the implications of this technology in the telecommunications sector, including a SWOT analysis of next-generation cellular networks. Written by academic researchers and industry experts, this book offers a complete and nuanced perspective on the transformational potential of blockchain. Provides an overview of blockchain/smart-contract based applications while including NFTs and telecommunications applications; Presents a detailed taxonomy of blockchain's financial applications; Features fundamentals of blockchain and smart-contracts that include principles, theories, protocols, architectures; Includes chapters written by academic and industrial researchers.