1. Record Nr. UNINA9910585783503321

Titolo	Quantum and blockchain for modern computing systems, vision and advancements : quantum and blockchain technologies : current trends and challenges / / edited by Adarsh Kumar, Sukhpal Singh Gill, and Ajith Abraham
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	3-031-04613-7
Descrizione fisica	1 online resource (371 pages)
Collana	Lecture Notes on Data Engineering and Communications Technologies ; ; v.133
Disciplina	006.3843
Soggetti	Quantum computing Blockchains (Databases)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
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11.1 Mobile Application Architecture.

Sommario/riassunto

This book states that blockchain technology provides a secure distributed, peer-to-peer, and decentralized network with advanced cryptography primitives and protocols. The important question that arises in the quantum computing world is to test the existing blockchain networks against quantum attacks and design quantum computing enabled secure blockchain solutions. This book encourages professionals from different fields to provide blockchain and quantum technology-integrated solutions that incorporate low-cost, effective QoS, fast, secure, and futuristic demands. This book has surveyed and proposed approaches that improve quantum computing and cryptography protocols. Quantum computing and quantum science are not just helpful in software but the hardware world as well. To design networks with quantum science, quantum-enabled devices like quantum memories and quantum repeaters can be useful to demonstrate for organizations. For example, designing a single quantum repeater for long-distance quantum communication is useful in reducing the network cost, and ensuring better security levels. This book has introduced the quantum computing and blockchain technology aspects, their integration approaches and future directions.