

1. Record Nr.	UNINA9911049062003321
Autore	Kumar Abhishek
Titolo	Blockchain Enabled Metaverse for Smart Wireless Sensor Networks // edited by Abhishek Kumar, Pramod Singh Rathore, Fernando Moreira
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-07305-7
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (368 pages)
Collana	Information Systems Engineering and Management, , 3004-9598 ; ; 72
Altri autori (Persone)	RathorePramod Singh MoreiraFernando
Disciplina	006.3
Soggetti	Computational intelligence Cooperating objects (Computer systems) Telecommunication Computational Intelligence Cyber-Physical Systems Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Blockchain Mechanisms for Metaverse Applications -- Emerging and Advanced Blockchain Mechanisms for Enhancing Interoperability, Security, and Decentralized Functionality in Metaverse Applications -- Quantum Computing and Blockchain: Advanced Security in Metaverse -- Emerging Paradigms and Advanced Architectures in the Blockchain Metaverse -- Quantum Computing and Blockchain: Advanced Security in the Metaverse -- Digital Twin Models in the Blockchain Metaverse Framework: Convergence of Virtual Replicas and Decentralized Ecosystems -- Artificial Intelligence and Blockchain in the Metaverse -- Emerging Trends in Blockchain Metaverse for Intelligent Sensor Network Applications -- Integrating Blockchain and Metaverse for Next Generation Smart Healthcare Networks -- Blockchain-Based Authentication in 6G Metaverse Using Hyperledger Indy for Self-Sovereign Identity (SSI) -- Sustainable Blockchain and WSN architecture -- IoT in Blockchain-Enabled Metaverse Infrastructures -- Sustainable Blockchain and WSN Architecture for the Metaverse -- MetaBlockSphere Self Evolving Framework (MBSF) for Scalable and Interoperable

Blockchain Metaverse Systems -- Integrating Explainable AI and Blockchain for Secure and Transparent Skin Disease Diagnosis in Virtual Healthcare.

Sommario/riassunto

The future of digital interaction lies at the crossroads of blockchain, metaverse, and smart wireless sensor networks. This book explores how these transformative technologies are reshaping communication, security, and trust in next-generation virtual ecosystems. With contributions from leading researchers and practitioners, the chapters provide insights into blockchain mechanisms, decentralized data management, AI-driven applications, and immersive smart environments. By blending theory with practical perspectives, the book offers a roadmap for building scalable, secure, and intelligent systems within the metaverse. Designed for researchers, engineers, professionals, and students, it highlights applications across healthcare, education, agriculture, smart cities, and industry 4.0, while addressing pressing challenges such as privacy, interoperability, and sustainability.
