1.
Record Nr.	UNINA9910586575403321
Titolo	AI and Blockchain Technology in 6G Wireless Network / / edited by Malaya Dutta Borah, Pushpa Singh, Ganesh Chandra Deka
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811928680 9811928681
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (263 pages)
Collana	Blockchain Technologies, , 2661-8346
Disciplina	006.3
Soggetti	Blockchains (Databases) Wireless communication systems Mobile communication systems Computational intelligence Artificial intelligence Blockchain Wireless and Mobile Communication Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Technologies Assisting the Paradigm Shift from 5G to 6G -- 2. Key Technologies & Architecture for 6G and Beyond Wireless Communication System -- 3. Blockchain-enabled Decentralized Network Management in 6G -- 4. AI-Enabled Intelligent Resource Management in 6G -- 5. Role of Blockchain and AI in Security and Privacy of 6G -- 6. Security, Privacy Challenges and Solutions for Various Applications in Blockchain Distributed Ledger for Wireless based Communication Networks.
Sommario/riassunto	This book highlights future research directions and latent solutions by integrating AI and Blockchain 6G networks, comprising computation efficiency, algorithms robustness, hardware development and energy management. This book brings together leading researchers in Academia and industry from diverse backgrounds to deliver to the

technical community an outline of emerging technologies, advanced architectures, challenges, open issues and future directions of 6G networks. This book is written for researchers, professionals and students to learn about the integration of technologies such as AI and Blockchain into 6G network and communications. This book addresses the topics such as consensus protocol, architecture, intelligent dynamic resource management, security and privacy in 6G to integrate AI and Blockchain and new real-time application with further research opportunities.