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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Block Chain Systems -- Distributed Ledger Technology for Collective Environmental Action -- 1 Introduction -- 2 Literature Background -- 3 Design Science Research Methodology -- 4 DLT Prototype Construction and Evaluation -- 4.1 Prototype Design Components -- 4.2 Prototype Functional Logic Components -- 4.3 Prototype Evaluation -- 5 Discussion of Empirical Findings -- 6 Conclusions -- References -- Moving Towards Blockchain-Based Methods for Revitalizing Healthcare Domain -- 1 Introduction -- 2 Blockchain Technology Fundamentals -- 2.1 Key Concepts -- 2.2 Blockchain Taxonomy -- 3 Blockchain Technology in Service of Healthcare -- 4 Related Works -- 4.1 Research Methodology -- 4.2 Our Research Foresight Regarding Healthcare Challenges -- 4.3 Blockchain Adoption in Healthcare Domain -- 5 Discussion -- 6 Our Forthcoming Proposition -- 7 Conclusion -- References -- Design of a Tokenized Blockchain Architecture for Tracking Trade in the Global Defense Market -- 1 Introduction -- 2 Related Work -- 3 Value of Blockchain for Trades in Defense Market --

4 Design and Implementation of a NFT Based Decentralized Architecture -- 4.1 System Design -- 4.2 Implementation and Testing -- 5 Conclusion -- References -- Requirements for Interoperable Blockchain Systems: A Systematic Literature Review -- 1 Introduction -- 1.1 Research Problem -- 1.2 Key Contributions -- 2 Blockchain Interoperability Overview -- 2.1 Related Studies -- 3 Methodology -- 4 Results and Discussion -- 4.1 Technical and semantic interoperability requirements. -- 4.2 Organizational Interoperability Requirements -- 4.3 Legal Interoperability Requirements -- 5 Conclusion -- References -- Deep Learning and Healthcare Applications -- PENN: Phase Estimation Neural Network on Gene Expression Data -- 1 Introduction -- 2 Related Work -- 3 Method.

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Sommario/riassunto

This book constitutes refereed articles which present research work on new and emerging topics such as distributed ledger technology, blockchains and architectures, smart cities, machine learning and deep learning techniques and application areas such as flight pricing, energy demand and healthcare. The intended readership of the book include researchers, developers and practitioners in the areas of deep learning, big data and blockchains technologies and their applications.
