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	Nota di contenuto	Hiding Bitcoin Transaction Information based on HEVC -- A new Sustainable Interchain Network Protocol-Transport Layer -- Design and Implementation of a Loan System Based on Smart Contract -- Formal Verification of Smart Contracts from the Perspective of Concurrency -- A Blockchain Based Data Management System for Energy Trade -- A Distributed Digital Asset-Trading Platform Based on Permissioned Blockchains -- Crux|a new fast, exible and decentralized consensus algorithm with high fault tolerance rate -- Boost Blockchain Broadcast Propagation with Tree Routing -- A Simple Auditable Fingerprint

Authentication Scheme Using Smart-Contracts -- A vision for trust, security and privacy of blockchain -- A Blockchain-based Data Hiding Method for Data Protection in Digital Videos -- A Novel Sustainable Interchain Network Framework for Blockchain -- Economic Incentive Structure for Blockchain Network -- An Improved Consensus Mechanism for Blockchain -- A Novel Cross-Chain Mechanism for Blockchains -- How to Detect and Contain Suspicious Transactions in Distributed Ledgers -- A Dynamic Scalable Blockchain Based Communication Architecture for IoT -- The impact of blockchain on food supply chain: the case of Walmart.

Sommario/riassunto	This book constitutes the refereed proceedings of the First International Conference on Smart Blockchain, SmartBlock 2018, held in Tokyo, Japan, in December 2018. The 17 papers presented in this volume were carefully reviewed and selected from 102 submissions. They focus on a broad range of topics in the area of blockchain, from privacy-preserving solutions to designing advanced blockchain mechanism, from empirical studies to practical manuals. .