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| Nota di contenuto | DPM Workshop: Privacy Preserving Data Analysis -- Pinfer: Privacy-Preserving Inference -- Integral Privacy Compliant Statistics Computation -- Towards Data Anonymization in Data Mining via Meta-Heuristic Approaches -- Skiplist Timing Attack Vulnerability -- DPM Workshop: Field/Lab Studies -- A Study on Subject Data Access in Online Advertising after the GDPR -- On Privacy Risks of Public WiFi Captive Portals -- User Perceptions of Security and Usability of Mobile-based Single Password Authentication and Two-Factor Authentication -- DPM Workshop: Privacy by Design and Data Anonymization -- Graph perturbation as noise graph addition: a new perspective for graph anonymization -- Towards Minimising Timestamp Usage in Application Software -- Card-based Cryptographic Protocols with the Minimum Number of Rounds Using Private Operations -- CBT Workshop: |

Lightning Networks and Level 2 -- TEE-Based Distributed Watchtowers for Fraud Protection in the Lightning Network -- Payment Networks as Creation Games -- An Efficient Micropayment Channel on Ethereum -- Extending Atomic Cross-Chain Swaps -- CBT Workshop: Smart Contracts and Applications -- A minimal core calculus for Solidity contracts -- Multi-Stage Contracts in the UTXO Model -- The Operational Cost of Ethereum Airdrops -- Blockchain Driven Platform for Energy Distribution in a Microgrid -- Practical Mutation Testing for Smart Contracts -- CBT Workshop: Payment Systems, Privacy and Mining -- Online Payment Network Design -- A Multi-Protocol Payment System to Facilitate Financial Inclusion -- Simulation Extractability in Groth's zk-SNARK -- Auditable Credential Anonymity Revocation Based on Privacy-Preserving Smart Contracts -- Bonded Mining: Difficulty Adjustment by Miner Commitment -- 12 Angry Miners.

Sommario/riassunto

This book constitutes the refereed conference proceedings of the 14th International Workshop on Data Privacy Management, DPM 2019, and the Third International Workshop on Cryptocurrencies and Blockchain Technology, CBT 2019, held in conjunction with the 24th European Symposium on Research in Computer Security, ESORICS 2019, held in Luxembourg in September 2019. For the CBT Workshop 10 full and 8 short papers were accepted out of 39 submissions. The selected papers are organized in the following topical headings: lightning networks and level 2; smart contracts and applications; and payment systems, privacy and mining. The DPM Workshop received 26 submissions from which 8 full and 2 short papers were selected for presentation. The papers focus on privacy preserving data analysis; field/lab studies; and privacy by design and data anonymization. Chapter 2, “Integral Privacy Compliant Statistics Computation,” and Chapter 8, “Graph Perturbation as Noise Graph Addition: a New Perspective for Graph Anonymization,” of this book are available open access under a CC BY 4.0 license at link.springer.com.