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	Nota di contenuto	Blockchain and Distributed Systems -- Secure Cross-chain Transaction for Medical Data Sharing in Blockchain-based Internet of Medical Things -- An blockchain-based proxy re-encryption scheme with cryptographic reverse firewall for IoV -- SCCT-DARS: Secure and Compliant Cryptocurrency Transactions in a Decentralized Anonymous Regulated System -- ODSC: A Unique Chameleon Hash-based Application Framework for Blockchain Smart Contracts -- Cross-chain Identity Authentication for BIoMT with Multi-chain Fusion Mode -- Blockchain-based signature scheme with cryptographic reverse firewalls for IoV -- Network Security and Privacy Protection -- A Hierarchical Asynchronous Federated Learning Privacy-Preserving Framework for IoVs -- A Secure Mutual Authentication Scheme for

Wireless Communication -- A Multi-tab Webpage Fingerprinting Method Based on Multi-head Self-attention -- Improving Accuracy of Interactive Queries in Personalized Differential Privacy -- VPSearch+: Achieving Verifiability for Privacy-Preserving Multi-Keyword Search without Client Storage Overhead -- Security-Enhanced Function Privacy Attribute-Based Encryption -- Certificateless Ring Signcryption Scheme with Conditional Privacy Protection in Smart Grid -- Byzantine-robust Privacy-preserving Federated Learning based on DT-PKC -- Updatable and Dynamic Searchable Symmetric Encryption Scheme with Forward and Backward Privacy -- Efficient and Secure Count Queries on Encrypted Genomic Data -- Automatic construction of knowledge graph for personal sensitive data -- Cryptography and Encryption Techniques -- Heterogeneous Aggregate Signature for Unmanned Aerial Vehicles -- Secure arbitrated quantum signature scheme with Bell state -- An Authorized Function Homomorphic Proxy Signature Scheme with Sampling Batch Verification -- ASEV: Anonymous and Scored-Based E-Voting Protocol on Blockchain -- A New Self-Dual-BKZ algorithm based on Lattice Sieving -- A Certificateless Designated Verifier Sanitizable Signature -- An Inner Product Function Encryption Scheme for Secure Distance Calculation -- Efficient Non-Interactive Zero-Knowledge Proof for Graph 3-Coloring Problem -- Cloud-Aided Scalable Revocable IBE with Ciphertext Update from Lattices in the Random Oracle Model -- Heterogeneous Signcryption Scheme With Equality Test for Internet of Vehicles -- An Improved Updatable Signature Scheme with Weakened Token -- A pairing-based certificateless authenticated searchable encryption with MTI guarantees -- Machine Learning and Security -- Anomaly detection method for integrated encrypted malicious traffic based on RFCNN-GRU -- TimeGAN: A Novel Solution to Imbalanced Encrypted Traffic Datasets -- Secure Steganography Scheme based on Steganography Generative Adversarial Network -- SR-GNN: Spectral Residuals with Graph Neural Networks for Anomaly Detection in ADS-B Data -- Learned Pseudo-Random Number Generator based on Generative Adversarial Networks -- An Intrusion Detection System Using Vision Transformer for Representation Learning -- PaBiL-Net: Parallel Bidirectional LSTM Network for Mobile Encrypted Traffic Classification -- A General Source Code Vulnerability Detection Method via Ensemble of Graph Neural Networks -- Federated Long-Tailed Learning by Retraining the Biased Classifier with Prototypes -- Internet of Things and System Security -- Ensuring SLA Compliance of Edge Enabled Cloud Service for IoT application: A Dynamic QoS-aware Scheme -- A Regenerating Code Based Data Restoration Scheme in Active RFID System -- Lightweight Privacy-Preserving Medical Diagnostic Scheme for Internet of Things Healthcare -- Windows Fuzzing Framework Based on Dynamic Tracing And Process Cloning -- Meta-HFMD: A Hierarchical Feature Fusion Malware Detection Framework via Multi-TaskMeta-Learning -- Privacy-Preserving Cloud-Edge Collaborative K-Means Clustering Model in IoT.

| Sommario/riassunto | This volume constitutes the refereed proceedings of the 6th International Conference on Frontiers in Cyber Security, FCS 2023, held in Chengdu, China, in August 2023. The 44 full papers included in this book were carefully reviewed and selected from 89 submissions. They were organized in topical sections as follows: Blockchain and Distributed Systems; Network Security and Privacy Protection; Cryptography and Encryption Techniques; Machine Learning and Security; and Internet of Things and System Security. |