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| Nota di contenuto | -- IoT, Network Security and Privacy Challenges. -- HybridFL: Hybrid approach toward privacy-preserving Federated Learning. -- The Design of a Multi-application micro-operating system platform in the context of big data. -- Consortium Blockchain Storage Optimization Based on Fountain Codes. -- An Incentive Mechanism and An Offline Trajectory Publishing Algorithm Considering Sensing Area Coverage Maximization and Participant Privacy Level. -- Research on Face Recognition System Based on RLWE Homomorphic Encryption. -- Feedback Feed-forward Iterative Learning Control for Non-affine Nonlinear discrete-time Systems with Varying Trail Lengths. -- Open-Closed-Loop Iterative Learning Control Based on Differential Evolution Algorithm for Nonlinear System. -- Overview of Vehicle Edge Computing and Its Security. -- Multi-party Privacy Preserving Neural Networks. -- ConFlow: Contrast Network Flow Improving Class Imbalanced Learning in Network Intrusion Detection. -- Anomaly Detection of Unstable Log Data Based on Contrastive Learning. -- An integration-enhanced ZNN approach for chaotic combined synchronization with external disturbances. -- A lightweight anomaly detection method for industrial processes based on event correlation |

behavior. -- A Novel Polar Code-Based Key Encapsulation Mechanism with Non-Permutation Equivalent Public Key. -- Two-stage Multi-lingual Speech Emotion Recognition for Multi-lingual Emotional Speech Synthesis. -- EncoderMU: Machine Unlearning In Contrastive Learning. -- NoCrypto: A Web Mining Behavior Detection Method Based on RGB Images. -- Security and PrivacyffSteganography and Forensics. -- Image copy-move forgery detection in the social media based on a prior density clustering and the point density. -- Detection of Speech Spoofing Based on Dense Convolutional Network. -- Speech Emotion Recognition Based on Recurrent Neural Networks with Conformer for Emotional Speech Synthesis. -- Route Privacy-Preserving Authentication Scheme based on PUF in VANETs. -- Stable NICE Model-Based Image Generation for Generative Steganography. -- Computer-generated Image Forensics Based on Vision Transformer with Forensic Feature Pre-processing Module. -- VoIP steganalysis using shallow multiscale convolution and transformer.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Security and Privacy in New Computing Environments, SPNCE 2023, held in Guangzhou, China, during November 25-26, 2023. The 29 full papers were selected from 75 submissions and are grouped in these thematical parts: IoT, network security and privacy challenges; multi-party privacy preserving neural networks; security and privacy steganography and forensics.