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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- E-Health Networks. -- Transfer Learning for Audio-based Speech Emotion Recognition in Chinese: Leveraging Pretrained Models for Improved Performance. -- Optimal Design of Hydraulic Fracturing Simulation Experiments for In-situ Stress Measurement. -- Sentiment analysis based on social media — Early stress and depression detection. -- Automatic Depression Detection Using Attention-Based Deep Multiple Instance Learning. -- Analysis of Factors Related to Anxiety and Depression in Medical Students. -- Structural health monitoring of carbon fiber composite lamination using electrical resistance. -- Identification of Economic Factors for Mass Depression Based on Panel Study and Machine Learning. -- Review of Sleep Monitoring Research based on Wireless Sensor. -- Understanding

Obsessive-Compulsive Disorder Through Human Skin Textures. -- Transportation Networks. -- Design and implementation of traffic flow prediction model based on short and long time memory network. -- Research on Traffic Sign Image Recognition Algorithms under Complex Weather Conditions. -- Deep Neural Network based on Sparse Auto-encoder for Road extraction. -- DECS: A Decentralized and Efficient Cross-chain Scheme in IoT System. -- Enhancing IoT Security in Smart Grids with Quantum Resistant Hybrid Encryption (QRHE-IoT): A Comprehensive Study. -- Artificial Intelligence model based security protection method for IoT applications. -- Extraction of frequently active areas of ships based on advanced grid density peak clustering. -- Cyber Physical System modeling and analysis in typical scenarios based on the theory of autonomous transportation system. -- Reliability and Scalability. -- PathBit: a Bit Index based on Path for Large-scale Knowledge Graph. -- Skeleton Prototype Contrastive Learning with Multi Level Graph Relation Modeling for Unsupervised Person Re-Identification. -- E-Health Networks II. -- Investigating the EEG Embedding by Visualization. -- Identifiable EEG Embeddings by Contrastive Learning from Differential Entropy Features. -- Contrastive Learning Consistent and Identifiable Latent Embeddings for EEG. -- SEVGNet-LSTM: a fused deep learning model for ECG classification. -- Fast Convergence Federated Learning with Adaptive Gradient: an Application to Mental Healthcare Monitoring System. -- Artificial Intelligence and Machine Learning I. -- Research on Handover Technology for 5G LEO Satellite Network based on ns-3. -- Joint Delay and Energy Optimization for WPT-MEC System Based on Immune Algorithm. -- An Abnormal Detection Method based on the Device Interaction Behavior in the Internet of Things. -- Trusted Personalized Federated Learning based on Differential Privacy. -- Networks and Applications. -- An Online Big-Data Driven Design of Reading and Writing Test. -- Research on Feature Extraction and Recognition of Inverter Fault Data Based on Neural Networks. -- Short Text Data Mining Based on Incremental AP Clustering. -- A Novel Method for Semantic Segmentation on Lidar Point Clouds. -- Forward Secure Searchable Encryption over Medical Cloud Data. -- Wireless Network Topology Discovery Based on Spectrum Data by Convolutional Neural Network. -- Semi-Supervised Learning based Trust Evaluation for Underwater Wireless Sensor Networks. -- Wireless Charging Based Sensor Network Information Collection through Unmanned Aerial Vehicles (UAVs). -- Joint Symbol-Level Precoding and Reflecting Design for Heterogeneous Networks with Intelligent Reflecting Surface. -- SOH Prediction in Lithium-ion Battery Energy Storage System in Power Energy Network. -- Load Balancing of Software-Defined Networking Based on Particle Swarm Optimization. -- An improved genetic algorithm for college course scheduling. -- KNN-based Collaborative Filtering for Fine-Grained Intelligent Grad-School Recommendation System. -- RPBFT: A Scalable Consensus Mechanism for Large Blockchain Systems. -- Multi-objective Deployment of WSNs in Underground Sheltered Space.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 19th EAI International Conference on Quality, Reliability, Security and Robustness in Heterogeneous Networks, QShine 2023, held in October 2023. The 78 full papers included in these proceedings were carefully reviewed and selected from 200 submissions. They are organized in these topical sections: Part I: E-Health networks; transportation networks; reliability and scalability; E-Health networks II; artificial intelligence and machine learning I; networks and applications. Part II: Robustness; Network Security and Privacy; Quality of Service (QoS) and

