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Nota di contenuto	IoT, Communication Security, Data Mining or Big Data -- Research on informatization platform of university performance appraisal based on big data collection based on Internet of Things technology -- The impact of disposal effects generated by Internet of Things technology on quantitative investment -- A Survey on IoT Modules: Architecture, Key Technologies and Future Directions -- The Calibration of inspection data on juvenile theft cases in 5G context and IOT age -- A Cross-domain Authentication Scheme Based Master-slave Chain In Edge Computing -- Balance of interests: the legal path of data circulation and utilization in the Internet of Things era -- Hybrid AI-based iBeacon Indoor Positioning Cybersecurity Attacks and Defenses Thereof -- Digital Transformation Application of Precision Industrial Quotation System -- Balance between Data Circulation and Personal Information Protection -- Artificial Intelligence, Machine Leaning, Deep Learning & Neural network -- Combined Short-term Load Forecasting Method Based on HHT -- Research on edge computing offloading based on reinforcement learning in multi-user scenarios -- Design of Malicious Code Detection System Based on Convolutional Neural

Network -- Comprehensive Task Priority Queue for Resource Allocation in Vehicle Edge Computing Network Based on Deep Reinforcement Learning -- Applying the Shapley Value Method to Predict Mortality in Liver Cancer based on Explainable AI -- Face Emotion Expression Recognition using DLIB Model and Convolutional Neural Network Approach for Supporting Online Learning -- Image Classification for Smoke and Flame Recognition using CNN and Transfer Learning on Edge Device -- WLAN, Wireless Internet 5G -- Non-Uniform Time Slice Parallel Simulation Method Based on Offline Learning for IEEE 802 -- A Joint Optimization Method for Scheduling and Random Access Based on the Idea of Particle-based Access in IEEE 802.11ax -- A Two-Level Adaptive Resource Allocation Algorithm for Quality of Service Guarantee in Home WiFi Networks -- Joint Energy Detection and Transmission Power Adjustment for FIM problem in High Density WLANs -- An Uplink OFDMA Access Method for Low Latency in Next-generation WLANs -- Edge Station Throughput Enhancement Method based on Energy Detection Threshold and Transmission Power Joint Dynamic Adjustment -- A Channel Reservation Mechanism in IEEE 802.11be for Multi-Cell Scenarios -- An Adaptive Beamtracking Method for the Next Generation mmWave WLAN -- A Collision Aware Multi-link Operation for Next Generation WLAN -- Protocol, Algorithm, Services and Applications -- Angular Position Estimation For Human-Following and Robot Navigation -- Social Risk Analysis of Smart Grid Based on Emerging Technologies in the Chinese Context: A Review Based on CiteSpace -- Using HTC Vive to Design a Virtual Reality Simulation Environment on Radiography -- Bidirectional Scanning Based Medium Access Control Algorithm in Directional Aviation Relay Network with Multiple Air Nodes -- Research on Backbone Routing Protocol of Ad Hoc Network based on SDN -- A Coexistence Method of Short-range Heterogeneous Network based on Cell Cooperation -- Using Push Technology to Discover Factors Influencing Consumers' Intention to Purchase Greenwashed Products -- A Real-time Streaming Application for License Plate Recognition Using OpenALPR.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th EAI International Conference on Smart Grid and Internet of Things, SGIoT 2022, held in TaiChung, Taiwan, in November 19-20, 2022. The 33 regular papers presented were carefully reviewed and selected from 96 submissions. The papers cover a broad range of topics in wireless sensor, vehicular ad hoc networks, security, deep learning and big data. The papers are organized in subject areas as follows: IoT, Communication Security, Data Mining or Big Data; Artificial Intelligence, Machine Leaning, Deep Learning and Neural Network; WLAN, Wireless Internet and 5G; Protocol, Algorithm, Services and Applications.