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Nota di contenuto	Signal Processing of Ground Penetrating Radar Based on MED Technology -- Application Analysis of Information Security Technology in Credit Card System -- A Job Recommendation System Based on Student and Category Similarity Computation -- Correct Modeling of SH 50ETF Option Implied Volatility Based on Neural Network -- International Trade Strategy of SMEs Based on Blockchain Technology -- Information Collection Analysis and Processing of Digital Substation Based on Artificial Intelligence -- Computer Network Monitoring and Analysis Method Based on Petri Net -- Fuzzy Control Method Based on Dynamic Self-Optimization -- Application of Data Encryption Technology in Computer Software Testing -- New Rural Intelligent Pension Model Based on Big Data Technology -- Application of Dual-Loop Control Algorithm Simulation Technology in Power Regulation of New Energy Grid -- Mine Safety Monitoring and Early Warning System Based on 5G Network Technology -- The Influence of Fintech on the Performance of Commercial Bank Based on Big Data Analysis --

Research and Design of Soft Switch Technology in New Energy Vehicle Wireless Charging System -- High Dimensional Data Visualization Analysis Based on Unsupervised Laplacian Score.

Sommario/riassunto

This book contains papers presented at the 2021 International Conference on Smart Technologies and Systems for Internet of Things, held on November 26–27, 2021, in Shanghai, China. It covers topics like distributed processing for sensor data in CPS networks, approximate reasoning and pattern recognition for CPS networks, distributed processing in mobile networking, data analytics for social media sensor data integration, data platforms for efficient integration with CPS networks, virtualized and cloud-oriented resources for data processing for CPS networks, machine learning algorithms for CPS networks, data security and privacy in CPS networks, sensor fusion algorithms, sensor signal processing, data acquisition and preprocessing technology, intelligent computing, data mining methods and algorithms, big data system solutions and tools platform, intelligent control and intelligent management, and operational situation awareness utilizing big data-driven intelligence. It caters to postgraduate students, researchers, and practitioners specializing and working in related areas.