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Nota di contenuto	Data Mining and Machine Learning: Research on Pain Information Management System Based on Deep Learning -- LS-SVM assisted multi-rate INS UWB itegrated indoor quadrotor localization using Kalman filter -- Design of Digital Image Information Security Encryption Method Based on Deep Learning -- Design of Iot Data Acquisition System Based on Neural Network Combined With STM32 Microcontroller -- Research on Network Equilibrium Scheduling Method of Water Conservancy Green Product Supply Chain Based on Compound Ant Colony Algorithm -- Weak Association Mining Algorithm for Long Distance Wireless Hybrid Transmission Data in Cloud Computing -- Detection Method of Large Industrial CT Data Transmission Information Anomaly Based on Association Rules -- Design of Intelligent Integration System for Multi-Source Industrial Field Data Based on

Machine Learning -- Link Transmission Stability Detection Based on Deep Learning in Opportunistic Networks -- Intelligent Mining Method of New Media Art Image Features Based on Multi-Scale Rule Set -- Data Security Sharing Method of Opportunistic Network Routing Nodes Based on Knowledge Graph and Big Data -- Security Awareness Method of Opportunistic Network Routing Protocol Based on Deep Learning and Knowledge Graph -- Research on Pedestrian Intrusion Detection Method in Coal Mine Based on Deep Learning -- Personalized Recommendation Method of College Art Education Resources Based on Deep Learning -- Global Planning Method of Village Public Space Based on Deep Neural Network -- A Multi Stage Data Attack Traceability Method Based on Convolutional Neural Network for Industrial Internet -- Machine Learning Based Method for Mining Anomaly Features of Network Multi source Data -- Data Anti-Jamming Method for Ad Hoc Networks Based on Machine Learning Algorithm -- A Data Fusion Method of Information Teaching Feedback Based on Heuristic Firefly Algorithm -- Research on Database Language Query Method Based on Cloud Computing Platform -- Reliability Evaluation Method of Intelligent Transportation System Based on Deep Learning -- Forecasting Method of Power Consumption Information for Power Users Based on Cloud Computing -- Power Consumption Behavior Analysis Method Based on Improved Clustering Algorithm of Big Data Technology -- Anomaly Detection of Big Data Based on Improved Fast Density Peak Clustering Algorithm -- Data Privacy Access Control Method Based on Ciphertext Policy Attribute-Based Encryption Algorithm -- Evaluation Method of Enterprise Circular Economy Development Level Based on AHP Fuzzy Inference -- Research on Performance Evaluation of Industrial Economic Management Based on Improved Machine Learning -- Application of Big Data Processing Technology in Power Consumption Information Acquisition -- Task Scheduling Method of Wireless Sensor Multimedia Big Data Parallel Computing Based on Bee Colony Algorithm.

Sommario/riassunto

The four-volume set LNICST 532, 533, 534 and 535 constitutes the refereed proceedings of the 5th EAI International Conference on Multimedia Technology and Enhanced Learning, ICMTEL 2023, held in Leicester, UK, during April 28-29, 2023. The 121 papers presented in the proceedings set were carefully reviewed and selected from 285 submissions. They were organized in topical sections as follows: AI-based education and learning systems; medical and healthcare; computer vision and image processing; data mining and machine learning; workshop 1: AI-based data processing, intelligent control and their applications; workshop 2: intelligent application in education; and workshop 3: the control and data fusion for intelligent systems.