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Soggetti	Application software Computer engineering Computer networks Database management Artificial intelligence Computer and Information Systems Applications Computer Engineering and Networks Database Management System Artificial Intelligence
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Multimedia Technology and Enhanced Learning -- Identification of Tea Leaf Based on Histogram Equalization, Gray-Level Co-occurrence Matrix and Support Vector Machine Algorithm.-Research on durability test for composite pipe fitting materials of automobile -- Method for extracting information of database of smart phone terminal in lock screen mode.-Quality Detection method of Phase change Energy Storage and Thermal Insulation Building Materials based on Neural Network -- Automatic Monitoring system of vehicle Pollutant Emissionbased on Fusion algorithm -- Research on Multi-source Heterogeneous Sensor Information Fusion Method under Internet of Things Technology.-Analysis of Guangdong-Hong Kong-Macau Greater

Bay Area's Economic growth trend based on big data Mining --
 Analysis on the Development Path of Urban Agglomeration in Gulf
 Region of Guangdong, Hong Kong, Macao under the background of Big
 Data -- Research on Intelligent diagnosis of Fault data of large and
 medium-sized pumping stations under Information Evaluation system
 -- On-line Monitoring method of Power Transformer Insulation Fault
 based on Bayesian Network -- Mining and analyzing behavior patterns
 of smart home users based on cloud computing -- Research on
 Behavior Recognition Method Based on Machine Learning and Fisher
 Vector Coding -- A Local Occlusion Face Image Recognition Algorithm
 -- Based on the Recurrent Neural Network -- Analysis of the Training
 Method for the Time-of-time of the Movement Based on the Wireless
 -- Moving target location method of video image based on computer
 vision -- Design of Anti-interference Control system for vacuum
 Packaging Machine based on Wireless Network -- Design of sealing
 Transformer for vacuum Packaging -- Machine based on single Chip
 Microcomputer Control -- Image Segmentation Technology of
 Marathon Motion Video based on Machine Learning -- Research on the
 Adaptive Tracking Method for the Tracking of the Track of the Long-
 jump Athletes -- Application of Big Data's Association Rules in the
 Analysis of Sports Competition Tactics -- Identification and Analysis of
 Limb Swing Image in Short Run Training Based on Visual Signal
 Processing -- Intelligent agricultural information remote data storage
 method based on block chain -- Design of multi-parameter monitoring
 system for intelligent agriculture greenhouse based on
 artificial intelligence -- Design of Agricultural Network Information
 Resource Sharing System Based on Internet of Things -- An Evaluation
 Model of the Efficiency of Agricultural Information Resources Allocation
 in the Big Data Environment -- Seamless and fast panoramic image
 generation system based on VR technology -- Analysis on behavior
 characteristics of enterprise financing investment risk data -- Web
 Database Sharing Platform Design Based on Large Data Visualization of
 Learning Behavior. Network APT Attack Detection Based on Big
 Data Analysis. -Two Particle filter-based INS/LiDAR-integrated mobile
 robot localization -- Design of parametric CAD system for ceramic
 products based on virtual reality technology -- Numerical simulation of
 remaining oil distribution based on oil field data analysis. -Multiple
 Frame CT Image Sequencing Big Data Batch Clustering Method --
 Research on scale space fusion method of medical big data video image
 -- Data Mining Method of Malicious Attack Based on Characteristic
 Frequency -- Research on image recognition algorithm based on depth
 level feature -- Research on Shadow Detection Method of
 Infrared Remote Sensing Image Based on Artificial Intelligence --
 Research on Fault Intelligent Detection Technology of Dynamic
 Knowledge Network Learning System. -Design of Buoy Positioning
 System for Ocean Monitoring Based on Visual Feature Recognition --
 Application of Iridium Data Communication System in Information
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 Control System of Wireless Sensor Network in the Background of Big
 Data. -Heuristic Network Similarity Measurement Model Based on Cloud
 Computing -- Study on the Preparation of the Precursor of the Li-
 ion Screen Based on Big Data Analysis -- Bigdata Fast extraction
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 the Monitor Image. -Research on Short-term Load Forecasting Based on
 PCA-GM -- Research on Preprocessing Algorithm of Two-camera Face
 Recognition Attendance Image Based on Artificial Intelligence --
 Research on Military Intelligence Value Evaluation Method Based on Big
 Data Analysis -- Design and Simulation of Power Grid Energy Saving

Control Model.-Design and Improvement of Optimal Control Model for Wireless Sensor Network Nodes -- A Decision Model for Substation Equipment MaintenanceBased on Correlation Set Decomposition -- Research on Information Security Monitoring and Early Warning Mechanism of Internet Application Network Basedon Particle Swarm Optimization -- A multiple sclerosis recognition via Hu Moment Invariant and artificial neural network trained by Particle SwarmOptimization -- Digital Image Processing, Analysis and Application Based onMachine Learning.-Teeth category classification by Fractional Fourier Entropy and Improved Hybrid Genetic Algorithm -- Hearing Loss Identification via Fractional Fourier Entropy.-Gingivitis classification via Wavelet entropy and Support Vector Machine -- Data fusion filter and Machine Learning for Statistical SignalProcessing -- LiDAR/DR-integrated mobile robot localizationemploying IMM-EKF/PF filtering.-Review on Flocking Control -- Detection of High Voltage Transmission Lines: A Surveyand Perspective.-Image Processing-Based Electronic Fence: A Review -- Tightly INS/UWB combined indoor AGV positioning in LOS/NLOS environment.-Prediction Analysis of Soluble Solids Content in Apples Based on Wavelet Packet Analysis and BP Neural Network -- Research on Positioning Accuracy of Indoor and OutdoorPedestrian Seamless Navigation.

Sommario/riassunto

This two-volume book constitutes the refereed proceedings of the Second International Conference on Multimedia Technology and Enhanced Learning, ICMTEL 2020, held in Leicester, United Kingdom, in April 2020. Due to the COVID-19 pandemic all papers were presented in YouTubeLive. The 83 revised full papers have been selected from 158 submissions. They describe new learning technologies which range from smart school, smart class and smart learning at home and which have been developed from new technologies such as machine learning, multimedia and Internet of Things.
