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Nota di contenuto	Industrial Application of Multi-modal Information Processing -- Design of Unmanned Aerial Vehicle automatic endurance system -- Research and design of UAV environmental monitoring system -- Design of temperature measurement and control system of chemical instrument based on Internet of things -- Location and Path Planning of Cross-border E-commerce Logistics Distribution Center in Cloud Computing Environment -- Signal collection method of wireless radio frequency gas sensor array based on virtual instrument -- Artificial intelligence-based wireless sensor network radio frequency signal positioning method -- Design of big data control system for electrical automation -- Design and implementation of walking control system for orchard plant protection robot based on artificial intelligence algorithm -- Research on Real-time Monitoring Method of Communication Network Blocking Based on Cloud Computing -- Research on Voluntary Intelligent Reporting System of College Entrance Examination Based on Big Data Technology -- Design of Intelligent Recognition System for Orchard Spraying Robot Path Based on Adaptive Genetic Algorithm -- Design of Intelligent lifting system for Real-time Monitoring data expansion in Distribution Station area -- Dynamic monitoring system of big data leakage in mobile network based on Internet of things -- The Design of Philosophy and Social Sciences Terms Dictionary System

Based on Big Data Mining -- Design of Urban Air Quality Monitoring System Based on Big Data and UAV -- Design of Intelligent Monitoring System for Air Visibility Data Based on UAV -- Design of Short-term Network Congestion Active Control System Based on Artificial Intelligence -- Decentralized Control Method for UAV Arriving Simultaneously Based on Large Data Analysis -- Hyperspectral recognition and early warning of rice diseases and insect pests based on convolution neural network -- Industrialized big data processing -- Research on abnormal data detection method of power measurement automation system -- Research on Data Optimization Method of Software Knowledge Base Operation and Maintenance Based on Cloud Computing -- Dynamic data mining method of cold chain logistics in drug distribution under the background of cloud computing -- Distributed Data Collaborative Fusion Method for Industry-University-Research Cooperation Innovation System Based on Machine Learning -- Research on automatic Defense Network active attack data location and early warning method -- Efficient retrieval method of malicious information in multimedia big data network based on human-computer interaction.

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### Sommario/riassunto

This two-volume set constitutes the post-conference proceedings of the 4th EAI International Conference on Advanced Hybrid Information Processing, ADHIP 2020, held in Binzhou, China, in September 2020. Due to COVID-19 the conference was held virtually. The 89 papers presented were selected from 190 submissions and focus on theory and application of hybrid information processing technology for smarter and more effective research and application. The theme of ADHIP 2020 was "Industrial applications of aspects with big data". The papers are named in topical sections as follows: Industrial application of multi-modal information processing; Industrialized big data processing; Industrial automation and intelligent control; Visual information processing.

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