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Soggetti	Telecommunication Computer networks Multimedia systems Internet of things Electronic circuits Artificial intelligence Communications Engineering, Networks Computer Communication Networks Multimedia Information Systems Internet of Things Electronic Circuits and Systems Artificial Intelligence
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1 - An Analysis of the Research Situation of China's National Security—Based on the Perspective of Social Network Analysis -- Chapter 2 - A Study of online electronic voting system based Blockchain -- Chapter 3 - Study of Effective Intelligent Campus using Zigbee based on Sensor Network -- Chapter 4 - Implementation of Smart English Education using IoT based on Blockchain.-Chapter 5 - Implementation for Smart Contract Visualization based on BlockChain -- Chapter 6 - The Effect of Korean Companies Business Environment and Halal Certification on Export Performance.-Chapter 7 - A Study on the Utilization Factors and Satisfaction of Cross-Border E-Commerce in

Korea -- Chapter 8 - Study of Effective Storage System for MPEG-7 Document Clustering -- Chapter 9 - An Automatic Pollen Grain Detector Using Deep Learning -- Chapter 10 - Hiding of Personal Information Areas through a Dynamic Selection Strategy -- Chapter 11 - An enhanced adaptive neighbourhood adjustment strategy on MOEA/D for EEG signal decomposition-based big data optimization -- Chapter 12 - Detection of HVDC Interference on Pipeline Based on Convolution Neural Network -- Chapter 13 - Detection of Human Relaxation Level Based on Deep Learning -- Chapter 14 - Human physiological signal detection based on LSTM -- Chapter 15 - A Novel Diagnosis Method of Depression Based on EEG and Convolutional Neural Network -- Chapter 16 - Applying Decision Tree to Detect Credit Card Fraud -- Chapter 17 - Implementation of Traffic Sign Recognition System on Raspberry Pi -- Chapter 18 - The Development of Medical and Nursing VR Lesson Plan with Data Visualization and Evaluation Feedback -- Chapter 19 - Integrating object detection and semantic segmentation into automated pallet forking and picking system in AGV -- Chapter 20 - Multichannel convolutional neural network based soft sensing approach for measuring moisture content in tobacco drying process.

Sommario/riassunto

This book gathers the proceedings of the 11th International Conference on Frontier Computing, held in Seoul, on July 13–17, 2021, and provides comprehensive coverage of the latest advances and trends in information technology, science, and engineering. It addresses a number of broad themes, including communication networks, business intelligence and knowledge management, Web intelligence, and related fields that inspire the development of information technology. The respective contributions cover a wide range of topics: database and data mining, networking and communications, Web and Internet of things, embedded systems, soft computing, social network analysis, security and privacy, optical communication, and ubiquitous/pervasive computing. Many of the papers outline promising future research directions, and the book benefits students, researchers, and professionals alike. Further, it offers a useful reference guide for newcomers to the field.
