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Descrizione fisica	1 online resource (373 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2015
Disciplina	006.3
Soggetti	Artificial intelligence Machine learning Image processing - Digital techniques Computer vision Application software Artificial Intelligence Machine Learning Computer Imaging, Vision, Pattern Recognition and Graphics Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intelligent Control and Automation -- Advancing Short-term Traffic Congestion Prediction: Navigating Challenges in Learning-Based Approaches -- Interval Observers Design for Discrete-time Linear Systems with Uncertainties -- Transformer-based Multi-Industry Electricity Demand Forecasting -- Method of visual formation control for large group of AUV in environment with obstacles -- A Broader Study of Spectral Missing in Multi-Spectral Vehicle Re- Identification -- TimesNet Model for Multi-Industry ElectricityDemand Forecasting -- Design and utilization of an auto-visual-inspection composite system for suspension cables with fast flaw identification -- A Critical Review of Multi Criteria Decision Analysis Method for Decision Making and Prediction in Big Data Healthcare Applications -- A New and Efficient Dormitory Management System -- Edge Collaborative Assisted Caching

Content Placement Optimization Strategy Based on DDSG -- Design and Implementation of CNN-based DTTB Image Intelligent Fault Diagnosis Platform -- Smart power safety hazard inspection system based on YOLOv7 -- A Defect Detection Method of Drainage Pipe Based on Improved YOLOv5s -- Visual servo control system for AUV stabilization -- Research on fuzzy weighted controller for battery discharge of dual-channel dual-active bridge -- Multi-scale Texture Network for Industrial Surface Defect Detection -- Machine Learning -- Large-Scale Data Challenges: Instability in Statistical Learning -- Deepfake Detection Performance Evaluation and Enhancement through Parameter Optimization -- Prediction Interval of Principal Component Regression with Applications to Molecular Descriptors Datasets -- Tourist Attraction Recommendation System based on Django and Collaborative Filtering -- Effective Rules for a Rule-Based SIEM System in De-tecting DoS Attacks: An Association Rule Mining Approach -- Beibu Gulf Marine Ranch: Utilizing BeiDou Grid Code and Multi-System Integration for Modernized Management and Monitoring -- A member inference attack defense method based on Differential Privacy and Data Enhancement -- Air Defense Deployment of Anti-reconnaissance Based on Immune Optimization Algorithm with Nested Double Particle Swarm -- Relevant Tag Extraction based on Image Visual Content -- Natural Language Processing and Computational Linguistics -- STTS: A Novel Span-Based Approach for Topic-Aware Text Segmentation -- BERT-KRS: A BERT-based Model for Knowledge-grounded Response Selection in Retrieval-based Chatbots -- An Assembly Instruction Question Answering System Based on Knowledge Graph -- Improving Natural Language Inference with Residual Attention -- Enhancing Reasoning Pathways for Power Defect Analysis using CoT and Role-Play Prompt. .

Sommario/riassunto

This 2-volume set CCIS 2014 and CCIS 2015 constitutes the post-conference proceedings of the First International Conference on Applied Intelligence, ICAI 2023, held in Nanning, China, December 8–12, 2023. The 64 full papers presented in this proceedings were carefully selected and reviewed from 228 submissions. The papers cover a wide range on theoretical aspects of biomedical data modeling and mining; computer vision; and deep learning. They were organized in topical sections as follows: Part I: Biomedical data modeling and mining; computer vision; deep learning; Part II: Intelligent control and automation; machine learning; natural language processing and computational linguistics.
