1. Record Nr.	UNINA9910996492403321
Titolo	Computational Intelligence and Industrial Applications : 11th International Symposium, ISCIIA 2024, Beijing, China, November 1–5, 2024, Proceedings, Part I / / edited by Bin Xin, Hongbin Ma, Jinhua She, Weihua Cao
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9647-53-3
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XIX, 415 p. 217 illus., 186 illus. in color.)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2465
Disciplina	006.3
Soggetti	Artificial intelligence
	Machine learning
	Multiagent systems
	Automatic control
	Robotics
	Automation
	Image processing - Digital techniques
	Computer vision
	Mechatronics
	Artificial Intelligence
	Machine Learning
	Multiagent Systems
	Control, Robotics, Automation
	Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Gaussian and Non Gaussian Noise Effects on Data Driven Modeling: A Comparative Investigation. -- Fuzzy Based Head Attitude Estimation for Improved Students' Concentration Evaluation. -- Quantitative Calculation Method for Growth Status of Chinese Cabbage based on YOLOv5 Network with Multivariate Linear Fitting. -- Lightweight underwater target detection algorithm based on improved yolov8. --

Research on Temperature Error Calibration Method of Fluxgate Sensor. -- IMDRSN BiLSTM for Rolling Bearing Fault Diagnosis. -- Dynamic Optimization of CHP Unit Variable Load Process Based on Hybrid of Gauss Pseudospectral Method and Direct Shooting Method. -- A Multi stage Noise Suppression Network for Segmenting Polyp Images Containing Noise Interference. -- Research of Sequential Recommendation Algorithm Based on Contrastive Learning and Causal Learning. -- Psychological Crisis Detection in Crisis Hotline Chats Based on Weighted Bidirectional Long Short Term Neural Network. -- Load Prediction Model of Gas Boiler Generator Set Based on CNN LSTM. -- Multi objective Task Allocation Algorithm for Medical Scenarios Based on MOIACO. -- Feasibility Analysis of Optimization Models for Natural Gas Distribution Networks Using Machine Learning. -- Identification of Luggage Stacked Disorderly Based on Image Analysis. -- An Embedded System of the Measurement Instrument Applied in Aluminum Electrolytic Cells.. -- Proposal on Virtual User Profile Generation for Explainable Recommendation. -- Agent based Modeling and Cultural Integration after Mergers and Acquisitions in State Owned Enterprise. -- Finite Element Simulation of TFY YH Anti-slip Device. -- A Numerical Study of Solar Pumped Lasers with Multiple Compound Parabolic Concentrator with Length Extension. -- Graph Attention Convolutional Neural Network combined with Transformer Classification Method for Small Sample Datasets. -- State of Health Estimation of Lithium ion Batteries Based on LLM BiLSTM Model. -- Research on Heterogeneous Multi Agent Coalition Formation Method Based on Auction Algorithm. -- Environment Integrated Adaptive Cognitive Training System Based on AugmentedReality and Intelligence. -- Heterogeneous Map Fusion Method of Generalized Voronoi Diagram (GVD) and OctoMap Based on Point Cloud. -- Multi objective evolutionary algorithm based graph neural network architecture search. -- Performance Evaluation of a Combined Convolutional AutoEncoder and Image Recognition Model for Large Scale Images. -- A pose estimation method for fisheye cameras based on the EPnP algorithm. -- ISAE GZSL: Interpolated Incomplete Semantic Attribute Enhancement for Generalized Zero Shot Learning. -- Posture Detection for Enhancing Elderly Daily Exercise via Reclining Chair. -- Novel least mean square based adaptive estimator for unknown periodic disturbances.

Sommario/riassunto	This two-volume set CCIS 2465-2466, constitutes of the proceedings of 11th International Symposium on Computational Intelligence and Industrial Applications, ISCIIA 2024, held in Beijing, China, during November 1–5, 2024. The 55 full papers and 5 short papers included in this volume were carefully reviewed and selected from 135 submissions. The topics cover the following fields connected to computational intelligence and intelligent informatics: intelligent information processing, pattern recognition and computer vision, intelligent optimization and decision-making, advanced control, multi-agent systems, robotics and various applications of computational intelligence methods such as neural networks, fuzzy reasoning, evolutionary computing, machine learning and deep learning.