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Soggetti	Computational intelligence Software engineering Computer networks Artificial intelligence Computers, Special purpose Computational Intelligence Software Engineering Computer Communication Networks Artificial Intelligence Special Purpose and Application-Based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- Artificial Intelligence. -- Neuropathic Pain Detection through Embedding Synergies of Deep Language and Image Models. -- Detection of depressive symptomatology in written narratives in Spanish using machine learning and semantic ontology. -- Unveiling Tourist Profiles in the Department of Sucre: A Text Analysis Approach. -- Ethical norms and literary visions: A comparative analysis of Artificial Intelligence in regulatory frameworks and science fiction. -- Application of Artificial Intelligence to Stock Market Investments: RSI Analysis with Genetic Algorithms and Neural Networks. -- A Study of U-Net-based Architectures for Segmenting COVID-19 Lung Lesions.

-- Hyperparameter Optimization of Multi-Layer Perceptron-based Predictors. -- Emotional BDI Model (eBDI) of the Peasants Families WellProdSim Social Simulator. -- Pattern recognition and computer vision. -- Analysis of Pre-Trained Convolutional Neural Network Models in Diabetic Macular Edema Detection Through Retinal Fundus Images. -- Gaussian Mixture Connectivity with Alpha-Renyi Regularization for EEG-based MI Classification. -- Optimisation of User Interaction for the Calculation of the Cobb Angle in Lumbar Spine MR Images. -- Implementation of Convolutional Neural Networks for Automated Disease Detection in Cucumber Crops. -- Automatic Disease Detection in Physalis Peruviana Based on Image, a review systematic. -- Computational statistics and formal methods. -- On missing values and the imputation in learning neural networks. -- Formalisation of Hall's Theorem for Countable Infinite Graphs. -- Efficient Strategies for Finding the Minimum Information Partition in Integrated Information Theory 3.0. -- Decomposition models for agricultural commodity price time series: A comparative research. -- Cyber security and information security. -- Feature Selection in Machine Learning-Based IDS Performance. -- Exploring Advanced Deep Learning Methods for Image Steganography: New Approaches to Concealing Videos Within Videos. -- Automated Machine Learning Prototype for Detecting Phishing, Deepfakes, and Fraudulent Audio Patterns: A Systematic Literature Mapping. -- Entropy wall for symmetric cryptographic key generation through frame processing. -- Transparency and security in tourism: exploring the potential of blockchain technology. -- Vulnerability analysis of IoT devices (IP cameras) in Ocaña Norte de Santander. -- Safeguarding Connected Autonomous Vehicles: A Cybersecurity Perspective.

Sommario/riassunto

This two-volume set CCIS 2208-2209 constitutes revised selected papers from the refereed proceedings of the 18th Colombian Congress on Computing, CCC 2024, held in Manizales, Colombia, during September 4-6, 2024. The 50 full papers and 5 short papers included in this book were carefully reviewed and selected from 124 submissions. They were organized in topical sections as follows: Artificial Intelligence; Pattern recognition and computer vision; Computational statistics and formal methods; Cyber security and information security; Data, information and knowledge; ICT for education and e-Learning; Industry 4.0 and digital transformation; Software engineering and automation.
