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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2027
Disciplina	621.367
Soggetti	Image processing - Digital techniques Computer vision Artificial intelligence Computer systems Social sciences - Data processing Application software Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer System Implementation Computer Application in Social and Behavioral Sciences 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	Healthcare Informatics -- Leveraging Handwriting Impairment as a Biomarker for Early Diagnosis of Parkinson's Disease -- Enhancing CT Image Visualization and Analysis through Rescaling Raw Pixel Values to Hounsfield Units -- Diabetic Retinopathy Blood Vessel Detection using Deep-CNN-Based Feature Extraction and Classification -- Detection of COVID-19 Disease Using Federated Learning -- Breast Cancer Detection Using Optimal Machine Learning Techniques: Uncovering the Most Effective Approach -- Compressed Deep Learning Models with XAI for COVID-19 Detection using CXR images -- HLB disease detection in

Omani Lime Trees using Hyperspectral Imaging based Techniques -- A Stack Ensemble Approach for Early Alzheimer Classification using Machine Learning Algorithms -- Analyzing Pulmonary Abnormality with Superpixel Based Graph Neural Network in Chest X-ray -- Silicosis Detection using Extended Transfer Learning Model -- Automated Make and Model Identification of Reverse Shoulder Implants Using Deep Learning Methodology -- COVID-19 Disease Prediction Using Generative Adversarial Networks with Convolution Neural Network (GANs-CNN) Model -- Modified Snapshot Ensemble Algorithm for Skin Lesion Classification -- A residual learning approach towards the diagnosis of colorectal disease effectively -- Realistic skin image Data Generation leveraging Conditional GAN and classification using Deep CNN -- Radiography and Thermography based Image Processing Techniques for Assessment of Lower Back Pain -- Exploring Imaging Biomarkers for Early Detection of Alzheimer's Disease using Deep Learning: A Comprehensive Analysis -- Pattern Recognition in Blockchain, IOT, Cyber Plus Network Security, and Cryptography -- VAIDS: A Hybrid Deep Learning Model to Detect Intrusions in MQTT Protocol Enabled Networks -- Crypto Bank: Cryptocurrency Wallet Based on Blockchain -- Large-Language-Models (LLM) -Based AI Chatbots: Architecture, In-depth Analysis and Their Performance Evaluation -- CincoCrypto - A Cryptocurrency Price Forecasting Tool For Everyone -- Deep Neural Networks Based Security Solution for ATM Transactions -- A Comprehensive Analysis of Blockchain Network Security: Attacks and their Counter measures -- Enhancing Android Malware Detection: CFS Based Texture Feature Selection and Ensembled Classifier for Malware App Analysis -- Blockchain-Enhanced Federated Learning for Secure Malicious Activity Detection in Cyber-Physical Systems -- Classification of Images Extracted from Scientific Documents for Cyber Deception -- Optimal Resource Allocation for Energy Harvested Cognitive Radio Networks Based on Learn Heuristic Algorithm -- Blockchain for Patient Data Integrity: Decentralised Storage and Retrieval in Modern Healthcare Systems -- UI/UX for Aerospace Qualification Business Processes -- Comparative Studies of Stochastic Techniques to Minimize the Cost of Biomass Supply Networks -- Federated Unlearning and Server Right to Forget: Handling Unreliable Client Contributions.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Recent Trends in Image Processing and Pattern Recognition, RTIP2R 2023, held in Derby, UK, during December 2023, in collaboration with the Applied AI Research Lab at the University of South Dakota. The 62 full papers included in this book were carefully reviewed and selected from 216 submissions. The papers are organized in the following topical sections: Volume I: Artificial intelligence and applied machine learning; applied image processing and pattern recognition; and biometrics and applications. Volume II: Healthcare informatics; pattern recognition in blockchain, IOT, cyber plus network security, and cryptography.
