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Disciplina	006.3
Soggetti	User interfaces (Computer systems) Human-computer interaction Artificial intelligence Computer systems Signal processing Information technology - Management User Interfaces and Human Computer Interaction Artificial Intelligence Computer System Implementation Signal, Speech and Image Processing Computer Application in Administrative Data Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	AI and Big Data -- Automated Fashion Clothing Image Labeling System -- AI-based Estimation from Images of Food Portion Size and Calories for Healthcare Systems -- Blockchain Technology as a Defense Mechanism Against Data Tampering in Smart Vehicle Systems -- Classification of Weeds using Neural Network Algorithms and Image Classifiers -- Weed detection in Rice field using Improved R-CNN -- Deep Learning -- Spatial Attention Transformer based Framework for Anomaly Classification in Image Sequences -- Development of LSTM-Based Sentence Generation Model to Improve Recognition Performance of OCR System -- Satellite imagery super resolution using classical and

deep learning algorithms -- Traffic Sign Recognition by Image Preprocessing and Deep Learning -- Convolutional Autoencoder for Vision-based Human Activity Recognition -- Deep Learning Approach for Enhanced Object Recognition and Assembly Guidance with Augmented Reality -- 3D Facial Reconstruction from a Single Image using a Hybrid Model based on 3DMM and Deep Learning -- Human Activity Recognition with a Time Distributed Integration of Deep Neural Network -- Intelligent Systems -- Artificial Neural Network To Estimate Deterministic Indices In Control Loop Performance Monitoring -- Interference Mitigation in Multi-Radar Environment Using LSTM-Based Recurrent Neural Network -- Centrifugal Pump Health Condition Identification Based on Novel Multi-Filter Processed Scalograms and CNN -- Attacks on Cryptosystems and Countermeasures -- A Prototype of IoT Medication Management System for Improved -- Mobile Computing and Ubiquitous Interactions -- Navigating the Complexities of 60 GHz 5G Wireless Communication Systems: Challenges and Strategies -- A survey on channel estimation technique classifications and various algorithms -- Wearable-based SLAM with Sensor Fusion in Firefighting Operations -- The Novel Electrocardiograph Sensor and Algorithm for Arrhythmia Computer Aided Detection -- Optimizing Sensor Subset Selection with Quantum Annealing: A Large-Scale Indoor Temperature Regulation Application -- Smart IoT-based Wearable Lower-Limb Rehabilitation Assistance System -- Using Machine Learning of Sensor Data to Estimate the Production of Cutter Suction Dredgers -- Optimizing Microstrip Patch Antenna Array Feeders for Efficient Wi-Fi Energy Harvesting -- A Resource Efficient Encoding Algorithm for Underwater Wireless optical Communication Link -- Containerized Wearable Edge AI Inference Framework in Mobile Health Systems -- Social Computing and Interactive Elements -- Leveraging Explainable AI to Analyze Researchers' Aspect-Based Sentiment about ChatGPT -- Wi-SafeHome: WiFi Sensing based Suspicious Activity Detection for Safe Home Environment -- Comparative Analysis of Machine Learning Models for Menu Recommendation System -- A novel similarity-based method for link prediction in complex networks -- Semantic Segmentation Based Image Signature Generation for CBIR -- Startup Unicorn Success Prediction using Ensemble Machine Learning Algorithm.

Sommario/riassunto

This book constitutes the refereed proceedings of the 15th International Conference on Intelligent Human Computer Interaction, IHCI 2023, held in Daegu, South Korea, during November 8–10, 2023. The 55 full papers and 16 short papers included in this book were carefully reviewed and selected from 139 submissions. They were organized in topical sections as follows: Volume I: Natural Language and Dialogue Systems, Affective Computing and Human Factors, Human Centred AI, Human-Robot Interaction and Intelligent Interfaces and User Centred Design. Volume II: AI and Big Data, Deep Learning, Intelligent Systems, Mobile Computing and Ubiquitous Interactions and Social Computing and Interactive Elements.