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| Autore | Kumar Rajesh |
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| ISBN | 981-9720-89-3 |
| Edizione | [1st ed. 2024.] |
| Descrizione fisica | 1 online resource (472 pages) |
| Collana | Lecture Notes in Networks and Systems, , 2367-3389 ; ; 971 |
| Altri autori (Persone) | VermaA. K (Ajit Kumar) <br> VarmaOma Prakasa <br> WadehraTanu |
| Disciplina | 006.3 |
| Soggetti | Computational intelligence <br> Artificial intelligence <br> Automatic control <br> Robotics <br> Automation <br> Signal processing <br> Computational Intelligence <br> Artificial Intelligence <br> Control, Robotics, Automation <br> Signal, Speech and Image Processing |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | An extensive review on designing of blood bank management system -- Ensemble Models for vulnerability prediction using code metrics -- Echo State Networks for Cryptography: A Novel Framework for Key Generation and Secure Communication -- Exploration of Coarse-Graining and Threshold Selection of Lempel-Ziv Complexity on Vibroarthrographic Signals -- Image Super Resolution using Extensive Residual Network (ERN) for Orange fruit disease detection -- A Powerful High-Order B-Spline Galerkin Technique for Numerical Solutions of Advection-Diffusion Equation -- Some Explicit Formulas for Changhee-Genocchi Polynomials and Numbers -- Numerical |

Simulations of Third-Order Singularly Perturbed Boundary Value Problems -- A Study on -Analogue Type Of Degenerate Daehee Polynomials And Numbers -- Water Quality Prediction using Machine Learning -- Single Smart Card for Identity and Authentication Using Data Analytics -- Strategic Utilization of ChatGPT in Teaching and Learning -- Particle Based Swarm Fuzzy Optimization Approach in Vague Measurement of the Distance in Transportation Problems -- Design and Implementation of Network Coverage Area in WSN Using Swarm Optimization Techniques -- Divergence Models in Fuzzy Environment and Their Solicitations for the Development of Fuzzy Information Improvement Models -- ViT-ALZ: Vision Transformer with Deep Neural Network for Alzheimer's Disease Detection -- Edge-ward computational offloading for Smart Waste Management System -- AMPpred-CNN: Prediction of antimicrobial peptide by using 1D convolution neural network and Composition/Transition/Distribution (CTD) encoding -- A hybrid system for detection of Stress using human emotions through voice -- Quasi-opposition based whale optimization applied to Multilevel Image thresholding -- Enhanced Georeferencing by adapting improvised Lens Distortion Correction in Stationary Drone Video Frames -- Feature Selection and Classification to detect Fetal Abnormalities -- Adoption of Blockchain Technologies into Forensic Accounting Practices -- Path Tracking Control of Mobile Manipulator with Skidding and Slipping -- Predicting Stock Market Prices Using a Hybrid of HighOrder Neural Networks and Barnacle Mating Optimization -- Stock Price Prediction Using LSTM & SVM -- Automated Plant disease detection: CNN for corn maize, tomato and potato -- Survey of Deep Learning Models for Image-Based Disease Detection in Plants -- A Comprehensive Review on Technological Advancements in Object Detection Deep Learning Models -- Identification and Classification of PV Array Faults Using Artificial Neural Network -- Ray Based Covid-19 Detection Using Preprocessing Techniques and Deep Learning Algorithms -- Threat or gift to academic: A case study on ChatGPT -- Breaking Barriers: Sign Language to Text Transformation in the Digital Era -- Sarcasm Detection and Classification using Deep Learning Model -- Suspicious Human Activity Detection through Video Analysis and Alert System: A Comprehensive Review -- Hybrid Deep Learning Techniquefor Leaf Disease Detection System -- A Comprehensive Review of Predicting Lifestyle based disease specifically PCOS among Women Using Data Mining and Machine Learning Approaches -- A Modified Honey Badger Algorithm with Logistic Map and Enhanced Exploitation -- Optimal Performance of a quantum Einstein heat engine with ecological function -- Performance Analysis of GIoU Loss Function for Object Tracking.

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| Sommario/riassunto | This book focuses on soft computing and how it can be applied to solve real-world problems arising in various domains, ranging from medicine and healthcare, to supply chain management, image processing, and cryptanalysis. It gathers high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2023), held at Indian Institute of Information Technology (IIIT) Una, Himachal Pradesh, India, during 21–23 December 2023. The book offers valuable insights into soft computing for teachers and researchers alike; the book inspires further research in this dynamic field. |