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| Nota di contenuto | Chapter 1: Neuro-Fuzzy Logic Application in Speech Recognition -- Chapter 2: A Machine Learning Model for Predicting Covid-19 -- Chapter 3: Thyroid Disease Prediction using a Novel Classification Enhancing MLP and Random Forest Algorithms -- Chapter 4: Youtube Sentimental Analysis using a Combined Approach of KNN and K-Means Clustering Algorithm -- Chapter 5: Big Data Analytics: Hybrid Classification in Brain Images using BSO and SVM -- Chapter 6: Breast Cancer Detection using Hybrid Segmentation using FOA and FCM Clustering -- Chapter 7: Hybrid Optimization using CC and PSO in Cryptography Encryption for Medical Images -- Chapter 8: Boundary Element Method for Water Wave Interaction with Semi-circular Porous |

Wave Barriers Placed over Stepped Seabed -- Chapter 9: Fostering Stem Education Competency for Elementary Education Students at Universities of Pedagogy in Vietnam -- Chapter 10: Blockchain based E-Medical Data Storage for Privacy Protection. etc.

Sommario/riassunto

The volume is a collection of high-quality, peer-reviewed research papers presented at the Third International Conference on Mathematical Modeling and Computational Science (ICMMCS 2023), held during 24 – 25 February 2023 in hybrid mode. The topics covered in the book are mathematical logic and foundations, numerical analysis, neural networks, fuzzy set theory, coding theory, higher algebra, number theory, graph theory and combinatorics, computation in complex networks, calculus, differential equations and integration, application of soft computing, knowledge engineering, machine learning, artificial intelligence, big data and data analytics, high performance computing, network and device security, Internet of Things (IoT).
