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Soggetti	Computational intelligence Bioinformatics Image processing - Digital techniques Computer vision Image processing Computational Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics Image Processing
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Molecular Docking Analysis of Selected Phytochemicals for The Treatment of Proteus Syndrome -- A Deep Learning Based Detection of Wrinkles on Skin -- Image Transmission using Leach and Security using RSA in Wireless Sensor Networks -- Code Injection Prevention in Content Management Systems using Machine Learning -- A Review of Hyperspectral Image Classification with various Segmentation approaches based on Labelled Samples -- Improvements in user Targeted Offline Advertising using CNN and Deviation-based Queue Scheduling -- Movie Recommendation System using Hybrid Collaborative filtering Model -- Hybrid Pipeline Infinity Laplacian Plus Convolutional Stage Applied to Depth Completion -- A Novel approach of DEMOO with SLA Algorithm to predict Protein Interactions -- Economic Load Dispatch Problem with valve point loading effect using DNLP optimization using GAMS -- Solar Radio Spectrum Classification

based on ConvLSTM -- Particle Swarm Optimization -based Neural Network for Wireless Heterogeneous Networks -- Impact Analysis of Covid-19 on various Indian Sectors.

Sommario/riassunto

This book includes selected papers from the 5th International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2021), held in Coimbatore, India, during November 25–26, 2021. This book presents state-of-the-art research innovations in computational vision and bio-inspired techniques. The book reveals the theoretical and practical aspects of bio-inspired computing techniques, like machine learning, sensor-based models, evolutionary optimization and big data modeling and management that make use of effectual computing processes in the bio-inspired systems. It also contributes to the novel research that focuses on developing bio-inspired computing solutions for various domains, such as human–computer interaction, image processing, sensor-based single processing, recommender systems and facial recognition, which play an indispensable part in smart agriculture, smart city, biomedical and business intelligence applications.