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Soggetti	Computational intelligence Signal processing Image processing Speech processing systems Electrical engineering Computational Intelligence Signal, Image and Speech Processing Communications Engineering, Networks
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Virtual Experimental Analysis of Redundant Robot Manipulators using Neural Networks -- Selection of Energy Efficient Material: an Entropy-TOPSIS Approach -- Analyses & Detection of Health Insurance Fraud Using Data Mining & Predictive Modeling Techniques -- Software Cost Estimation Using Artificial Neural Network -- A Three Layer Approach for Overlay Text Extraction in Video Stream -- Recognition of Noisy Numbers Using Neural Network -- Secure Group Authentication Scheme for LTE-Advanced -- Frequency Fractal Behaviour in the Retina Nano Centre- Fed Dipole Antenna Network of a Human Eye -- Trigonometric Probability Tuning in Asynchronous Differential Evolution -- Analytical review on Image Compression using Fractal Image Coding -- The Fulcrum principle between Parasympathetic and Sympathetic peripheral systems: Auditory noise can modulate body's peripheral temperature -- Improved Clustering Algorithm for Wireless

Sensor Network -- Fuzzy based probabilistic ecological risk assessment approach: A case study of heavy metal contaminated soil -- Performance Comparisons of Four Modified Structures of Log Periodic Three Element Microstrip Antenna Arrays -- Preliminary Study of Ecommerce Adoption in Indian Handicraft SME: A Case Study -- Threat Detection for Software Vulnerability using DE based Adaptive Approach -- Methods to choose the 'Best-fit' Patch in Patch-Based Texture Synthesis Algorithm -- Revisiting Requirements Analysis Techniques and Challenges -- Speech Recognition with Combined MFCC, MODGDF and ZCPA Features Extraction techniques using NTN and MNTN conventional Classifiers for Telugu language -- Real Time Sentiment Analysis of Big Data Applications Using Twitter Data with Hadoop Framework -- Addressing Security concerns for Infrastructure of Cloud Computing.

Sommario/riassunto

This book focuses on soft computing and its applications to solve real-life problems occurring in different domains ranging from medical and health care, supply chain management and image processing to cryptanalysis. It presents the proceedings of International Conference on Soft Computing: Theories and Applications (SoCTA 2016), offering significant insights into soft computing for teachers and researchers and inspiring more and more researchers to work in the field of soft computing. >The term soft computing represents an umbrella term for computational techniques like fuzzy logic, neural networks, and nature inspired algorithms. In the past few decades, there has been an exponential rise in the application of soft computing techniques for solving complex and intricate problems arising in different spheres of life. The versatility of these techniques has made them a favorite among scientists and researchers working in diverse areas. SoCTA is the first international conference being organized at Amity University Rajasthan (AUR), Jaipur. The objective of SoCTA 2016 is to provide a common platform to researchers, academicians, scientists, and industrialists working in the area of soft computing to share and exchange their views and ideas on the theory and application of soft computing techniques in multi-disciplinary areas. The aim of the conference is to bring together young and experienced researchers, academicians, scientists, and industrialists for the exchange of knowledge. SoCTA especially encourages the young researchers at the beginning of their career to participate in this conference and present their work on this platform.
