

Contents

Artificial Bee Colony Algorithm for Classification of Semi-urban LU/LC Features Using High-Resolution Satellite Data	1
J. Jayanth, T. Ashok Kumar, Shivaprakash Koliwad and V.S. Shalini	
Saliency-Based Image Compression Using Walsh–Hadamard Transform (WHT)	21
A. Diana Andrushia and R. Thangarjan	
Object Trajectory Prediction with Scarce Environment Information	43
Jin Sung Park, Daniela López De Luise and Jude Hemanth	
A Twofold Subspace Learning-Based Feature Fusion Strategy for Classification of EMG and EMG Spectrogram Images	57
Anil Hazarika and Manbendra Bhuyan	
Automatic Detection of Brain Strokes in CT Images Using Soft Computing Techniques	85
B.S. Maya and T. Asha	
Survey on the Classification of Intelligence-Based Biometric Techniques	111
K. Martin Sagayam, J. Felix Jacob Edwin, J. Sujith Christopher, Gowru Vamsidhar Reddy, Robert Bestak and Lim Chot Hun	
Spatial and Spectral Quality Assessment of Fused Hyperspectral and Multispectral Data	133
Somdatta Chakravortty and Anil Bhondekar	
Deep Learning Techniques for Breast Cancer Detection Using Medical Image Analysis	159
D. Selvathi and A. Aarthy Poornila	

A Tour Toward the Development of Various Techniques for Paralysis Detection Using Image Processing	187
Banita Banita and Poonam Tanwar	
Chlorella Algae Image Analysis Using Artificial Neural Network and Deep Learning	215
S. Lakshmi and R. Sivakumar	
Review on Image Enhancement Techniques Using Biologically Inspired Artificial Bee Colony Algorithms and Its Variants	249
Rehan Ahmad and Nitin S. Choubey	
Certain Applications and Case Studies of Evolutionary Computing Techniques for Image Processing.	273
A. Vasuki	
Histopathological Image Analysis for the Grade Identification of Tumor	297
M. Monica Subashini	
Super-Resolution via Particle Swarm Optimization Variants	317
Maria Aparecida de Jesus, Vania V. Estrela, Osamu Saotome and Dalmo Stutz	



<http://www.springer.com/978-3-319-61315-4>

Biologically Rationalized Computing Techniques For
Image Processing Applications

Hemanth, D.J.; Balas, V.E. (Eds.)

2018, VI, 337 p. 210 illus., 147 illus. in color., Hardcover

ISBN: 978-3-319-61315-4