Contents

A Comparative Study of Various Color Texture Features for Skin Cancer Detection ............................................. 1
Maurya Ritesh and Srivastava Ashwani

Pattern Classification and Retrieval of Content-Based Images—a Step Towards Amelioration ........................................ 15
Hemjot and Amitabh Sharma

Novel Threshold Formulation for Energy Detection Method to Efficient Spectrum Sensing in Cognitive Radio ..................... 25
Rohini S. Kale, Vijay M. Wadhai and Jagdish B. Helonde

A Novel Architecture to Crawl Images Using OAI-PMH ............. 37
Shruti Sharma, Parul Gupta and C.K. Nagpal

A Novel Web Page Change Detection Technique for Migrating Crawlers ................................................................. 49
Ashlesha Gupta, Ashutosh Dixit and A.K. Sharma

Developing Prototype for Prosopagnosia Using PCA .................. 59
Gunjan Jhawar, Prajacta Nagraj and N. Ramesh Babu

Implementation of Smart Video Surveillance System Using Motion Detection Technique ................................................. 65
Gaurav Verma, Swati Gautam, Rohan Agarwal, Sarthak Saxena and Deval Verma

Intelligent Algorithm for Automatic Multistoried Parking System Using Image Processing with Vehicle Tracking and Monitoring from Different Locations in the Building .............................. 73
Sagar Juneja, Saurav Kochar and Sachin Dhiman

Computer-Aided Detection of Breast Cancer Using Pseudo Zernike Moment as Texture Descriptors ............................ 85
Shabana Urooj, Satya P. Singh and A.Q. Ansari
Analysis of Leukoderma Images Using Neuro-Fuzzy Hybrid Technique .................................................. 93
Sudhakar Singh, Shabana Urooj and Satya P. Singh

Texture and Clustering-based Skin Disease Classification ............... 103
Pradeep Mullangi, Y. Srinivasa Rao and Pushpa Kotipalli

Melanoma Skin Cancer Detection Using Image Processing ............. 111
Nishtha Garg, Vishakha Sharma and Prabhjot Kaur

Performance Assessment for Clustering Techniques for Image Segmentation ................................................ 121
Jyoti Arora, Kiran Khatteer and Meena Tushir

Automatic Seed Point Selection in B-Mode Breast Ultrasound Images .................................................. 131
Madan Lal and Lakhwinder Kaur

Umang, M.N. Hoda and Geetanjali Singh

Secure Cluster-Based Data Integrity Routing for Wireless Sensor Networks .................................................. 157
Shashikala and C. Kavitha

Objects Detection and Tracking Strategies ............................. 169
Sureshbabu Matla and Ravi Subban

Road Accident Informer System ...................................... 181
S. Vanitha

Hybrid Intelligent Algorithm for Energy-Efficient Routing in WSN .... 189
Raminder Singh Uppal

A Method for Secret Image Transmission to Preserve Privacy ........ 201
Rasika Thakare, B Sumit and Umesh Kulkarni

Text Retrieval from Scanned Forms Using Optical Character Recognition .................................................. 207
Vaishali Aggarwal, Sourabh Jajoria and Apoorvi Sood

Combined Approach of Fuzzy Image Blocking Implementation for Medical Image Fusion .......................... 217
Madhuri Patel and Drashti Baldev

A Systematic Review on Image Enhancement Techniques ........... 227
Nishant Bhardwaj, Gagandeep Kaur and Pradeep Kumar Singh

Virtual Field and Wave Laboratory Using Scilab and Java .......... 237
Sarika Agarwal and Gunjeet Kaur
Classification and Comparative Study of IRS LISS-III Satellite Images Using RBFN and Decision Tree .................................................. 245
Anand Upadhyay, Santosh Kumar Singh, Shailesh Kisan Gaikwad and Ashutosh Chandra Mukherjee

An Analytic Review on Image Enhancement Techniques Based on Soft Computing Approach ...................................................... 255
Gagandeep Kaur, Nishant Bhardwaj and Pradeep Kumar Singh

An Auto-Threshold Control for Isolating False Shadow from High-Resolution Images ............................................................. 267
K. Komathy
Sensors and Image Processing
Proceedings of CSI 2015
Urooj, S.; Virmani, J. (Eds.)
2018, XV, 275 p. 123 illus., 80 illus. in color., Softcover