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# Soft Computing and Signal Processing

Proceedings of ICSCSP 2018, Volume 2

# **Advances in Intelligent Systems and Computing**

Volume 898

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# Soft Computing and Signal Processing

Proceedings of ICSCSP 2018, Volume 2

 Springer

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# Preface

The International Conference on Soft Computing and Signal Processing (ICSCSP 2018) was successfully organized by Malla Reddy College of Engineering & Technology, an UGC autonomous institution, during June 22–23, 2018, at Hyderabad. The objective of this conference was to provide opportunities for the researchers, academicians, and industry persons to interact and exchange the ideas, experience, and gain expertise in the cutting-edge technologies pertaining to soft computing and signal processing. Research papers in the above-mentioned technology areas were received and subjected to a rigorous peer review process with the help of program committee members and external reviewers. ICSCSP 2018 received a total of 574 papers, each paper was reviewed by more than two reviewers, and finally, 156 papers were accepted for publication in two separate volumes in Springer AISC series.

We would like to express our sincere thanks to Chief Guest Dr. S. B. Gadgil, Outstanding Scientist, Associate Director, RCI, DRDO, and keynote speakers Mr. Aninda Bose, Senior Editor, Springer Nature; Dr. C. Suchismita, Professor, NIT Rourkela; and Dr. Rishu Gupta, Senior Application Engineer, MathWorks, India.

We would like to express our gratitude to all the session chairs, viz., Dr. Ram Murthy Garimella, IIIT Hyderabad; Dr. Chandra Sekhar, Osmania University; Dr. Mohammed Arifuddin Sohel, Muffakham Jah College of Engineering and Technology; Dr. Samrat Lagnajeet Sabat, HCU; Dr. Malla Rama Krishna Murty, ANITS, Visakhapatnam; Dr. Mohana Sundaram, VIT, Vellore; and Dr. Suresh Kumar Nagarajan, VIT, Vellore, for extending their support and cooperation.

We are indebted to the program committee members and external reviewers who have produced critical reviews in a short time. We would like to express our special gratitude to Publication Chair Dr. Suresh Chandra Satapathy, KIIT, Bhubaneswar, for his valuable support and encouragement till the successful conclusion of the conference.

We express our heartfelt thanks to our Chief Patron Sri. Ch. Malla Reddy, Founder Chairman, MRGI; Patrons Sri. Ch. Mahendar Reddy, Secretary, MRGI,

Sri. Ch. Bhadra Reddy, President, MRGI; Convener Prof. P. Sanjeeva Reddy, Director, ECE and EEE; and Organizing Chair Dr. M. Murali Krishna, Dean.

We would also like to thank the organizing secretaries, viz., Dr. S. Srinivasa Rao, HOD, ECE; Dr. D. Sujatha, HOD, CSE; and Dr. G. Sharada, HOD, IT, for their valuable contribution. Our thanks also to all the coordinators and the organizing committee as well as all the other committee members for their contribution in the successful conduct of the conference.

Last but not least, our special thanks to all the authors without whom the conference would not have taken place. Their technical contributions have made our proceedings rich and praiseworthy.

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# Contents

<b>A Graphical Computational Tool for Computerized Ventricular Extraction in Magnetic Resonance Cardiac Imaging</b> .....	1
Ayush Goyal, Disha Bathla, Sai Durga Prasad Matla Leela Venkata Manikanta, Gahangir Hossain, Rajab Challoo, Ashwani K. Dubey, Anupama Bhan and Priya Ranjan	
<b>Speckle Noise Suppression in Ultrasound Images by Using an Improved Non-local Mean Filter</b> .....	13
Aditi Gupta, Vikrant Bhateja, Avantika Srivastava, Ananya Gupta and Suresh Chandra Satapathy	
<b>Internet of Things: Illuminating and Study of Protection and Justifying Potential Countermeasures</b> .....	21
Nitesh Chouhan, Hemant Kumar Saini and S. C. Jain	
<b>GA-Based Feature Selection for Squid’s Classification</b> .....	29
K. Himabindu, S. Jyothi and D. M. Mamatha	
<b>Enabling Cognitive Predictive Maintenance Using Machine Learning: Approaches and Design Methodologies</b> .....	37
Vijayaramaraju Poosapati, Vedavathi Katneni, Vijaya Killu Manda and T. L. V. Ramesh	
<b>Agricultural Monitoring and Controlling System Using Wireless Sensor Network</b> .....	47
Karthik Chunduri and R. Menaka	
<b>A Modified Firefly Swarm Optimization Technique to Improve the Efficiency of Underwater Wireless Sensor Networks</b> .....	57
A. M. Viswa Bharathy, V. Chandrasekar and D. Sujatha	
<b>Using Hierarchies in Online Social Networks to Determine Link Prediction</b> .....	67
Ravinder Ahuja, Vipul Singhal and Alisha Banga	

<b>Data Analysis, Visualization, and Leak Size Modeling for Water Distribution Network</b> .....	77
Shikha Pranesh Gupta and Umesh Kumar Pandey	
<b>Context-Sensitive Thresholding Technique Using ABC for Aerial Images</b> .....	85
Kirti and Anshu Singla	
<b>Vision-Based Inceptive Integration for Robotic Control</b> .....	95
Asif Khan, Jian-Ping Li, Asad Malik and M. Yusuf Khan	
<b>A Study on Convolutional Neural Networks with Active Video Tubelets for Object Detection and Classification</b> .....	107
R. Rajkumar and J. Arunnehru	
<b>Cloud-Enabled WBANs for Ubiquitous Healthcare Applications: Data Collection and Privacy Preserving Approach</b> .....	117
K. Praveen Kumar, Makula Vani and G. Shankar Lingam	
<b>Reconstruction of Gene Regulatory Network Using Recurrent Neural Network Model: A Harmony Search Approach</b> .....	129
Biswajit Jana, Suman Mitra and Sriyankar Acharyaa	
<b>New Gossiping Protocol for Routing Data in Sensor Networks for Precision Agriculture</b> .....	139
K. Sneha, Radhika Kamath, Mamatha Balachandra and Srikanth Prabhu	
<b>Factual Instance Tweet Summarization and Opinion Analysis of Sport Competition</b> .....	153
N. Vijay Kumar and M. Janga Reddy	
<b>A New Bat Algorithm with Distance Computation Capability and Its Applicability in Routing for WSN</b> .....	163
Shabnam Sharma, Sahil Verma and Kiran Jyoti	
<b>Optimizing Network QoS Using Multichannel Lifetime Aware Aggregation-Based Routing Protocol</b> .....	173
Uma K. Thakur and C. G. Dethe	
<b>Soft-Computing Techniques for Voltage Regulation of Grid-Tied Novel PV Inverter at Different Case Scenarios</b> .....	181
T. Lova Lakshmi and M. Gopichand Naik	
<b>Deep Sentiments Extraction for Consumer Products Using NLP-Based Technique</b> .....	191
Mandhula Trupthi, Suresh Pabboju and Narsimha Gugulotu	
<b>Music Generation Using Deep Learning</b> .....	203
Aishwarya Bhawe, Mayank Sharma and Rekh Ram Janghel	

**An Implementation of Malaria Detection Using Regional Descriptor and PSO-SVM Classifier** . . . . . 213  
 Dhanshree Dawale and Trupti Baraskar

**Interactive Print Media Using Augmented Reality** . . . . . 223  
 Winston Fernandes, Thelma Gomes, Ashley Fernandes, Sweedle Mascarnes and Dakshata Panchal

**Effects of Different Queuing Models on Migration of Virtual Machines** . . . . . 233  
 Surabhi Sachdeva and Neeraj Gupta

**A Deep Learning-Inspired Method for Social Media Satire Detection** . . . . . 243  
 Sayandip Dutta and Anit Chakraborty

**Medical Diagnosis of Ailments Through Supervised Learning Techniques on Sounds of the Heart and Lungs** . . . . . 253  
 Shantanu Patil, Abha Saxena, Tarun Talreja and Vidushi Bhatti

**Fleet Management and Vehicle Routing in Real Time Using Parallel Computing Algorithms** . . . . . 263  
 A. Mummoorthy, R. Mohanasundaram, Shubham Saraff and R. Arun

**Automated Bug Reporting System with Keyword-Driven Framework** . . . . . 271  
 Palvika, Shatakshi, Yashika Sharma, Arvind Dagur and Rahul Chaturvedi

**Urban Bus Arrival Time Prediction Using Linear Regression and Kalman Filter—A Comparison** . . . . . 279  
 Neeraj Ramkumar and Archana Chaudhari

**Spark Streaming for Predictive Business Intelligence** . . . . . 289  
 M. V. Kamal, P. Dileep and D. Vasumati

**Memory Allocator for SMP and NUMA-Based Soft Real-Time Operating System Using MemSimRT** . . . . . 299  
 Vatsalkumar Shah and Apurva Shah

**Comparative Study of AODV And OLSR Routing Protocols** . . . . . 309  
 Meenal Jain and Manoj Kumar Pal

**Analysis of MRI-Based Brain Tumor Detection Using RFCM Clustering and SVM Classifier** . . . . . 319  
 Venkateswara Reddy Eluri, Ch. Ramesh, Siva Naga Dhipiti and D. Sujatha

**Image Retargeting Using Dynamic Load Balancing-Based Parallel Architecture** . . . . . 327  
 Ganesh V. Patil and Santosh L. Deshpande



<b>Exploring the Nexus Between Mobile Phone Penetration and Economic Growth in 13 Asian Countries: Evidence from Panel Cointegration Analysis</b> . . . . .	337
Ujjal Protim Dutta, Abhishek Gupta and Partha Pratim Sengupta	
<b>Subjective Answer Grader System Based on Machine Learning</b> . . . . .	347
Avani Sakhapara, Dipti Pawade, Bhakti Chaudhari, Rishabh Gada, Aakash Mishra and Shweta Bhanushali	
<b>Lesion Classification Using Convolutional Neural Network</b> . . . . .	357
Mayank Sharma and Aishwarya Bhawe	
<b>‘Learning to Rank’ Text Search Engine Platform for Internal Wikis</b> . . . . .	367
Nilesh Sah and Harika Raju	
<b>Energy-Efficient Routing Protocols for Wireless Sensor Networks</b> . . . . .	377
Ch. Usha Kumari and Tatiparti Padma	
<b>LSTM Based Paraphrase Identification Using Combined Word Embedding Features</b> . . . . .	385
D. Aravinda Reddy, M. Anand Kumar and K. P. Soman	
<b>A Distributed Support Vector Machine Using Apache Spark for Semi-supervised Classification with Data Augmentation</b> . . . . .	395
S. S. Blessy Trencia Lincy and Suresh Kumar Nagarajan	
<b>An Extensive Review on Various Fundus Databases Use for Development of Computer-Aided Diabetic Retinopathy Screening Tool</b> . . . . .	407
Kalyan Acharjya, Girija Shankar Sahoo and Sudhir Kr. Sharma	
<b>Estimation of Skew Angle from Trilingual Handwritten Documents at Word Level: An Approach Based on Region Props</b> . . . . .	419
M. Ravikumar, B. J. Shivaprasad, G. Shivakumar and P. G. Rachana	
<b>FPGA Implementation of Coding for Minimizing Delay and Power in SOC Interconnects</b> . . . . .	427
N. Chintaiiah and G. Umamaheswara Reddy	
<b>Instrumentation for Measurement of Geotechnical Parameters for Landslide Prediction Using Wireless Sensor Networks</b> . . . . .	437
Mohammed Moyed Ahmed, Gorre Narsimhulu and D. Sreenivasa Rao	
<b>Improving Diagnostic Test Coverage from Detection Test Set for Logic Circuits</b> . . . . .	447
Bommidi Madhan and J. P. Anita	

**Design and Modelling of Different Types of SRAMs for Low-Power Applications** . . . . . 453  
 V. Vijayalakshmi and B. Mohan Kumar Naik

**Analysis of Coding Unit Size and Coding Depth for Class A Sequence in HEVC** . . . . . 463  
 Shruti D. Sawant and Shilpa P. Metkar

**A Novel Approach of Low Power, Less Area, and Economic Integrated Circuits** . . . . . 471  
 Sanjeeda Syed, R. Thriveni and Pattan Vaseem Ali Khan

**Design and Implementation of Car for Smart Cities—Intelligent Car Prototype** . . . . . 485  
 Anita Chaudhari, Dhvani Shah, Kiran Mungekar and Vidhan Wani

**Security Systems in Design for Testing** . . . . . 495  
 M. I. Shiny, R. Reshma, Shine Ross, Siji John, R. Sreevidya and Sumana Moothedeth

**Design of an Area-Efficient FinFET-Based Approximate Multiplier in 32-nm Technology for Low-Power Application** . . . . . 505  
 V. M. Senthil Kumar and S. Ravindrakumar

**Adaptive Noise Cancellation Using NLMS Algorithm** . . . . . 515  
 R. Rashmi and Shweta Jagtap

**Optimizing MPLS Tunnel Creation Performance by Using SDN** . . . . . 527  
 Snehal Patil and Mansi S. Subhedar

**Dictionary Learning-Based MR Image Reconstruction in the Presence of Speckle Noise: Greedy Versus Convex** . . . . . 537  
 M. V. R. Manimala, C. Dhanunjaya Naidu and M. N. Giri Prasad

**Towards Improving the Intelligibility of Dysarthric Speech** . . . . . 547  
 Arpan Roy, Lakshya Thakur, Garima Vyas and Gaurav Raj

**Modified Adaptive Beamforming Algorithms for 4G-LTE Smart-Phones** . . . . . 561  
 Veerendra Dakulagi, Ambika Noubade, Aishwarya Agasgere, Pradeep Doddi and Kownain Fatima

**Occluded Ear Recognition Using Block-Based PCA** . . . . . 569  
 V. Ratna Kumari, P. Rajesh Kumar and S. Srinivasa Kumar

**Fractal-Shaped DGS and Its Sensitivity Analysis with Microstrip Patch Antenna for 2.4 GHz WLAN Applications** . . . . . 579  
 Smeeta Hota, Guru Prasad Mishra and Biswa Binayak Mangaraj

<b>A Novel Adaptive Beamforming Algorithm for Smart Antennas . . . . .</b>	<b>589</b>
Ramakrishna Yarlagadda, V. Ratna Kumari and Venkata Subbaiah Potluri	
<b>Fruit Detection from Images and Displaying Its Nutrition Value Using Deep Alex Network . . . . .</b>	<b>599</b>
B. Divya Shree, R. Brunda and N. Shobha Rani	
<b>Modelling and Analysis of Volatility in Time Series Data . . . . .</b>	<b>609</b>
Siddarth Somarajan, Monica Shankar, Tanmay Sharma and R. Jeyanthi	
<b>Principal Component Analysis Based Data Reconciliation for a Steam Metering Circuit . . . . .</b>	<b>619</b>
C. Reddy Varshith, J. Reddy Rishika, S. Ganesh and R. Jeyanthi	
<b>Design of FIR Filter Architecture for Fixed and Reconfigurable Applications Using Highly Efficient Carry Select Adder. . . . .</b>	<b>627</b>
Shaurya Shah and Swaminadhan Rajula	
<b>Obstacle Detection and Distance Estimation for Autonomous Electric Vehicle Using Stereo Vision and DNN. . . . .</b>	<b>639</b>
Sarma Emani, K. P. Soman, V. V. Sajith Variyar and S. Adarsh	
<b>Basic Framework of Vocoders for Speech Processing . . . . .</b>	<b>649</b>
R. Chinna Rao, D. Elizabeth Rani and S. Srinivasa Rao	
<b>Vein Detection System Using Quad-Core ARM Processor and Near-Infrared Light . . . . .</b>	<b>659</b>
Aashay Mhaske, Siddhant Doshi, Pranjal Chopade and Vibha Vyas	
<b>Hardware Trojan Detection Using Deep Learning Technique . . . . .</b>	<b>671</b>
K. Reshma, M. Priyatharishini and M. Nirmala Devi	
<b>Design of Parallel Coupled Line Band-Pass Filter Using DGS for WiMAX Applications . . . . .</b>	<b>681</b>
Karunesh Srivastava and Rajeev Singh	
<b>LSTM- and GRU-Based Time Series Models for Market Clearing Price Forecasting of Indian Deregulated Electricity Markets . . . . .</b>	<b>693</b>
Ashish Ubrani and Simran Motwani	
<b>MRI Brain Tumor Segmentation Using Automatic 3D Blob Method . . . . .</b>	<b>701</b>
B. Jyothi	
<b>Reconfigured VLSI Architecture for Discrete Wavelet Transform . . . . .</b>	<b>709</b>
Pramod Naik, Hansraj Guhilot, Arun Tigadi and Prakash Ganesh	

**Design and Analysis of Universal-Filtered Multi-carrier (UFMC) Waveform for 5G Cellular Communications Using Kaiser Filter . . . . .** 721  
 Ravi Sekhar Yarrabothu, Narmada Kanchukommula and Usha Rani Nelakuditi

**Dynamic Spectrum Allocation and RF Energy Harvesting in Cognitive Radio Network . . . . .** 731  
 Pallavi Shetkar and Sushil Ronghe

**A Study on Image Segmentation in Curvelet Domain Using Snakes and Fractals for Cancer Detection in Mammograms . . . . .** 741  
 R. Roopa Chandrika, S. Karthik and N. Karthikeyan

**Key Frame Extraction Using Rough Set Theory for Video Retrieval . . . . .** 751  
 G. S. Naveen Kumar and V. S. K. Reddy

**Information Retrieval Using Image Attribute Possessions . . . . .** 759  
 D. Saravanan

**Blind DCT-CS Watermarking System Using Subsampling. . . . .** 769  
 S. M. Renuka Devi and D. Susmitha

**Author Index. . . . .** 781

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