

International Conference on Advances in Computer Engineering

(ACE 2011)

**Kerala, India
25 August 2011**

Editors:

**G. Reynolds
S. Phoha
V. Das**

**J. Stephen
P. Thankachan**

ISBN: 978-1-62993-403-7

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2011) by The Institute of Doctors Engineers and Scientists (IDES)
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact IDES-CPS
at the address below.

IDES-CPS
Prins Hendriklaan 19
1075 AZ Amsterdam, Netherlands

Phone: +31-6855 84465

cps.info@theides.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

1. Intrusion Detection System - False Positive Alert Reduction Technique <i>Manish Kumar, Hanumanthappa M and Suresh Kumar T V</i>	1-4
2. Thinned Concentric Circular Array Antennas Synthesis Using Improved Particle Swarm Optimization <i>Durbadal Mandal, Debanjali Sadhu and Sakti Prasad Ghoshal</i>	5-9
3. Coding and ANN - assisted Pseudo - Noise Sequence Generator for DS / FH Spread Spectrum Modulation for Wireless Channels <i>Juthika Gogoi and Kandarpa Kumar Sarma</i>	10-14
4. Image Fusion of Video Images and Geo-localization for UAV Applications <i>Senthil Kumar K, Kavitha G, Subramanian R and Marwan</i>	15-19
5. Colored Image Watermarking Technique Based on HVS using HSV Color Model <i>Piyush Kapoor, Krishna Kumar Sharma, Bedi S S and Ashwani Kumar</i>	20-24
6. An Iterative Improved k-means Clustering <i>Madhuri A Dalal, Nareshkumar D Harale and Umesh L Kulkarni</i>	25-28
7. A Novel Optimum Technique for JPEG 2000 Post Compression Rate Distortion Algorithm <i>Shaik.Mahaboob Basha and Jinaga B C</i>	29-34
8. A New Watermarking Algorithm Based on Image Scrambling and SVD in the Wavelet Domain <i>Gokhale U M and Joshi Y V</i>	35-39
9. Simulation Based Routing Protocols Evaluation for IEEE 802.15.4 enabled Wireless Sensor Networks <i>Seema Verma and Prachi</i>	40-43
10. A Novel Approach to Fingerprint Identification Using Gabor Filter-Bank <i>Prajakta M Mudegaonkar and Ramesh P Adgaonkar</i>	44-48
11. An attempt to automate the process of Source Evaluation <i>Sonal Aggarwal and Herre Van Oostendorp</i>	49-51
12. A Secured Approach to Visual Cryptographic Biometric Template <i>Rahna P Muhammed</i>	52-54
13. FIR Filter Design using Particle Swarm Optimization with Constriction Factor and Inertia Weight Approach <i>Rajib Kar, Durbadal Mandal, Dibbendu Roy and Sakti Prasad Ghoshal</i>	55-59
14. Image Denoising Techniques Preserving Edges <i>Radhika N and Tinu Antony</i>	60-62

15. Evolutionary Algorithmical Approach for VLSI Physical Design-Placement Problem <i>Varatharajan R, Perumal Sankar S, Lekha R and Kumaravel</i>	63-67
16. A PIC compatible RISC CPU core Implementation for FPGA based Configurable SOC platform for Embedded Applications <i>Haritha Madasi, Nagakishore Bhavanam S and Vaujadevi Midasala</i>	68-72
17. Performance analysis of Multiband - OFDM systems using LDPC coder in pulsed - OFDM modulation for UWB communications <i>Manimegalai C T, Kumar R and Sumith Babu S B</i>	73-76
18. A Novel Method for Image Enhancement <i>Mahesh S</i>	77-79
19. Cross Lingual Information Retrieval Using Search Engine and Data Mining <i>Mallamma V Reddy, Hanumanthappa M and Manish Kumar</i>	80-83
20. Intrusion Detection using Conditional Random Fields <i>Siddheshwar V Patil and Prakash J Kulkarni</i>	84-87
21. Analysis of Software Complexity Measures for Regression Testing <i>Mrinal Kanti Debbarma, Nagendra Pratap Singh, Amit Kr Shrivastava and Rishi Mishra</i>	88-92
22. Fluent Interfaces <i>Shushobhickae Singh and Chitrangada Nemani</i>	93-96
23. Analysis of Neocognitron of Neural Network Method in the String Recognition <i>Amit Kumar Gupta and Yash Pal Singh</i>	97-101
24. Image Compression using WDR & ASWDR Techniques with different Wavelet Codecs <i>Raja S P and Suruliandi A</i>	102-105
25. Predicting the Future of Car Manufacturing Industry using Data Mining Techniques <i>Hanumanthappa M and Sarakutty T K</i>	106-108
26. Improving Performance of Texture Based Face Recognition Systems by Segmenting Face Region <i>Reena Rose R and Suruliandi A</i>	109-113
27. Neural Network Based Noise Identification in Digital Images <i>Karibasappa K G, Shivarajkumar Hiremath and Karibasappa K</i>	114-117
28. Race Identification for Face Images <i>Hlaing Htake Khaung Tin and Myint Myint Sein</i>	118-120
29. Data Management In Cellular Networks Using Activity Mining <i>Ramachandran R and Aishwaryalakshmi V</i>	121-126

30. Dynamic Spectrum Derived Mfcc and Hfcc Parameters and Human Robot Speech Interaction <i>Krishna Kumar Sharma, Piyush Kapoor, Nandi G C and Pavan Chakraborty</i>	127-131
31. Prototyping a Wireless Sensor Node using FPGA for Mines Safety Application <i>Manoranjan Das and Banoj Kumar Panda</i>	132-137
32. Development and Testing of Feedback Control System for Fused Deposition by Electrochemical Discharge (FDED) Process <i>Madhavan L, Thakare P A and Karnik M</i>	138-143
33. User-Rating Based QoS Aware Approach for Selection of Updated Web Services to Web Service Composition <i>Vivekanandan K, Neelavathi S, Subhashree S, Kavitha G and Kavitha S</i>	144-146
34. Effective Information Preservation by Identifying Victim Items <i>Rahul P Mirajkar and Santaji K Shinde</i>	147-150
35. Retrieval of Color Image using Color Correlogram and Wavelet Filters <i>Dipankar Hazra</i>	151-154
36. Face Recognition Systems under Spoofing Attack <i>Zahid Akhtar, Nasir Alfarid and Sandeep Kale</i>	155-158
37. A New Broker-Based Architecture for TQoS Driven Web Services Composition <i>Kavya Johny</i>	159-161
38. A Performance Analysis of LAR Protocol for Vehicular Ad Hoc Networks in City Scenarios <i>Sanjoy Das and Lobiyal D K</i>	162-166
39. Fuzzy Image Segmentation for Man-Machine Interaction system and Security enhancement using Recognition Accuracy <i>Chakkarvar Vrishali A and Shinde Jayashri Prashant</i>	167-171
40. Security Attacks and Solutions in MANET <i>Preeti Sachan and Pabitra Mohan Khilar</i>	172-176
41. Performance Evaluation of Coded and Adaptive Filter assisted MRC in Faded Wireless channels using Semi Analytic and Monte Carlo Approach <i>Atlanta Choudhury and Kandarpa Kumar Sarma</i>	177-181
42. Image Fusion Technique using Curvelet Transform <i>Sruthy S and Latha Parameswaran</i>	182-184
43. Implementation of Backpropagation Algorithm in Reconfigurable Hardware <i>Nisha Thomas and Mercy Mathew</i>	185-187

44. Applying ITIL to Cloud Operations <i>Komal Gohil, Nagalakshmi Alapati and Sunil Joglekar</i>	188-192
45. Mobile Robot Localization using Single Camera Vision for Automated Test Bed by using DWT and HIS Color Model <i>Piyush Kapoor, Pavan Chakraborty, Nandi G C and Vibhor Agrawal</i>	193-196
46. Asynchronous Implementation of Split-radix FFT Algorithm Using FPGA <i>Shobith Thomas Jacob, Ramesh R and Malarvizhi S</i>	197-200
47. An Application of Eigen Vector in Back Propagation Neural Network for Face expression Identification <i>Ahsan Hussain, Shrikant lade and Vijay Bhandari</i>	201-203
48. Recommendation Systems - The Knowledge Engineering analysis for the best fit decisions <i>Gujral Minakshi and Asawa Krishna</i>	204-207
49. Ip Camera based Online Examination Security <i>Rajkumar Darbar, Apratibha Bhattacharya, Biswarup Neogi and Dipak Ranjan Jana</i>	208-210
50. Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer <i>Karthick Kannan M, Pavithra Deepa S and Kannimuthu S</i>	211-213
51. Secure Transmission over Insecure Channel through Higher Lsb Bit Replacement Audio Steganography with Symmetric Key Cryptography <i>Rajesh Yadav, Shrikant lade and Vijay Bhandari</i>	214-216
52. Technique for Testing the DSM Basic Architecture by Utilizing Model-Based Testing <i>Satyapal reddy Regenti and Rama Sree R J</i>	217-219