



International Conference
Systemics, Cybernetics and Informatics
(ICSCI - 2004)
February 12 - 15, 2004
Venue: Dr. MCR HRD Institute of A.P., Hyderabad, India
Chief Guest: Dr. S. S. Iyengar (Professor of Louisiana State University, U.S.A)

Contributed Papers List of ICSCI-2004

SYSTEMICS

Session CS-1	
1	System Identification Approach to Echo Cancellation <i>G. Ramamurthy, M Srinivas Arunachalam, Bharat Bhargava, E. G. Rajan</i>
2	Moving Target Detection Using Real-Time Signal Processing On DSP Processor <i>S. P. Singh, Tara Dutt Bhatt</i>
3	A Direct Digital frequency synthesizer using an IIR resonator implemented with DSP TMS 320 C5X <i>S. P. Singh, Tara Dutt Bhatt, M. V. Nageswara Rao</i>
4	A Filterbank Design For Oversampled Filter Banks <i>G.A.E.Satish Kumar, P. Chandra Sekhar Reddy, B.Stephen Charles</i>
5	Design of multirate Filter using two channel Filter Bank <i>R. Vinod Kumar, R. Saravan Kumar</i>
6	Implementation of Realisation of IIR Filters in FPGA <i>G.Seetharaman, T.Senthil Kumar, M. Gokulakrishnan</i>
7	Implementation of DPSK modem using ADSP2189M EZKIT Lite <i>G.Narasimha Rao, V. Prapulla</i>

Session CS-2	
1	Mitigation Techniques for High Reliable Space Applications <i>B.Shridar, A.Suryanarayana, Hemang Mistry</i>
2	An Aspect Of Small / Mini/ Micro /Pico/ Nano - Hydro Power <i>Ashok Kumar Akeela, Rajeshwar Prasad Saini, Mahendra Pal Sharma</i>
3	Channel Length Dependent Characteristics of Large Grain Polysilicon Thin-Film Transistors (TFTs) <i>Navneet Gupta, B.P.Tyagi</i>
4	Power VDMOSFETs With Vertical Floating Islands <i>Rakesh Vaid, Naresh Padha</i>
5	Architectural Optimization for a 1.82Gbits/sec VLSI Implementation of the AES Rijndael Algorithm <i>M. Girija, Rameshwar Rao, V.Krithivasam</i>
6	FPGA based fuzzy logic controller system <i>T. N. Prabhakar, T.Senthil Kumar, M. Gokulakrishnan</i>
7	VLSI Architecture for Rayleigh Fading Emulator <i>G.Narasimha Rao, V. Prapulla</i>

Session CS-3

1	Architecture of Touch-mouse for Computer Haptics <i>G.M.Lingaraju, C.S.Bagewadi, D.L.Prabhakara, Sandeep C Senan</i>
2	Modeling of Three-Dimensional Objects by combining CSG Methodology and Ray-Tracing Algorithm <i>Pushpa R. Suri, Sanjay G. Dhande, Pritee Khanna</i>
3	Surface Analysis for CAD and CFD <i>Rajiv Sharma, O. P. Sha</i>
4	Fuzzy Logic Based Intelligent Cruise Controller For Passenger Car <i>V. Senthil Kumar, N.P.Balaji, N. Ramachandar</i>
5	Neuro-Fuzzy Controller For A Permanent Magnet Brushless DC Drive <i>V. Senthil Kumar, N.P.Balaji.</i>
6	e-Devices <i>Aditya Nandan Agarwal, M. B. Srinivas</i>

Session CS-4

1	Some Aspects Of Designing Embedded Microprocessor Based Control For Manufacturing Process <i>Ashish M. Dave, Shrikant A Sheoday, P.B.Desai</i>
2	Multi-Objective Genetic Algorithm (MOGA) for Embedded System Design <i>Amiya Kumar Rath, Satchidananda Dehuri</i>
3	Design Of Solid State Flight Recorder <i>A.R.Saravanan, P.Chandra Sekhar, N.P.R.Sharma</i>
4	Experimental Studies on Square Patch Stacked Antenna Array with 90 degrees Hybrid Feed <i>V.Saidulu, B.R. Vishwakarma</i>
5	Modeling and Simulation of a process using time series data <i>A. Vimala Juliet,G. Govindarajan,C. Senthilkumar</i>
6	CAE Software System: A Case Study <i>Ashfaq Rehman, Shafquat Rehman, Tanzim Samad Choudary, Md. Sharif Muktedir</i>
7	Optimization, Simulation And Performance Evaluation of Cellular Layouts <i>K. Eswaraiah, C. S. P. Rao</i>

CYBERNETICS

Session CC-1

1	Robust Facial Expression Recognition using Spatially Localized Geometric Model <i>Ashutosh Saxena, Ankit Anand ,Amitabha Mukerjee</i>
2	Probabilistic Neural network based Finger Print Identification System <i>S. Madhusudhana, S. Basavaraj Patil</i>
3	A Novel Scheme for Hand Gesture Recognition by Extracting Key Video Object Plane <i>Manas Kamal Bhuyan, D.Ghosh, P.K.Bora.</i>
4	Tri-line Grouping and Principle Component Analysis for Object Recognition: An Integrated Approach <i>D. S. Guru, P Nagabhushan, B. H. Shekar</i>
5	Face detection based on Lines-of- Separability Face Model <i>P. S. Hiremath, Ajit Danti</i>
6	Human IRIS- High Security Authentication <i>S.Malathy, J.Madhu priya</i>

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1	Artificial Intelligence & It's Application for Detecting Incipient Faults in Transformer by using Dissolved Gas Analysis <i>Nitin Keshao Dhote, Devendra M. Holey, Manisha B. Gaikwad</i>
2	Rremoval of Interaction Using Neural Network For An Industrial Process <i>A.Vimala Juliet, G.Govindarajan, C.Senthil Kumar, S.Deepak, Kathik Prabhu</i>
3	Effective Network Models for Multimedia Streaming <i>K.K. Thyagarajan, V. Ramachandran</i>
4	Object Modeling of Virtual Instrumentation for Test Measurement and Automation <i>Sujit Kumer Ghosh, Shamik Misra</i>
5	LQG Controller for Speed Governing of a Hydroturbine <i>Nand Kishor, R. P. Saini, S. P. Singh</i>
6	Multi-Objective Optimization In Simultaneous Scheduling of Machines And Agvs In Automated Manufacturing Systems <i>B. Siva Prasad Reddy, C. S. P. Rao</i>

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1	Modeling Human Body With Superquadrics And Splines <i>Sumit Gupta</i>
2	Generation of Topologically Continuous, Smooth, and Fair Triangular Elements for Open and Closed Solid Surfaces <i>Rajiv Sharma, O. P. Sha</i>
3	Semiotics and XML <i>Maringanti Hima Bindu</i>
4	Electronic Intelligence In Combat Space <i>S.Vijaya Kumar</i>
5	Sensor Fault detection and Isolation using Artificial Neural Networks <i>P Ramesh , S Mukhopadhyay, A. Samanta</i>
6	Generation of Pitman Shorthand Language Symbols for Consonant-Vowel (CV) from Spoken English Language: An approach based on Linear Predictive Coefficients <i>M.RaviShankar, G.Hemantha Kumar ,P.Nagabushan, Basavaraj, S.Anami</i>
7	Order-Sensitive Learning in Hopfield Neural Network <i>M. Sreenivasa Rao, C. D. Naidu, Arun K. Pujari</i>

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1	Adaptive Congestion Control in ATM Networks - A Neural Model <i>M. V. Submramanyam, D.Satyanarayana, Dr.Satyaprasad</i>
2	Performance Analysis of Distributed Systems <i>R.Seethalakshmi, K.S.Ravichandran</i>
3	An Insight into the applications of Quantum Fourier transforms <i>Vidya Raj C., Phaneendra H.D, M.S. Shiva Kumar</i>
4	Reduced Order Controllers for Stabilization of Large-Scale Linear Difference Systems <i>S. Ravichandran, S. Subha rani</i>
5	Application Of Stochastic L-Systems For Visualizing Program Behaviors <i>CRK Reddy, Chakravarthy Bhaghavati</i>
6	Logical Alphabet Design <i>Dr.G.Rama Murthy, Satish Kambala,Rakesh Kukkamalla</i>

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1	A Genetic Algorithm Based Approach to Short Term Thermal Unit Commitment <i>Sachin Sukhadeorao Wagh, Archana G. Thosar, G. R. Shekapure</i>
2	Greedy Genetic Algorithm Based Convolutional Trellis Decoder <i>Rajani P. Kurup, Simi P. Valsan</i>
3	Fuzzy based DC motor speed control system with Speed and current feed back <i>A.Vimala Juliet, G.Govindarajan, C.Senthil Kumar,Aparajita Paul</i>
4	Takagi-Sugeno Fuzzy Controller for Six Dimensional Inverted Pendulum System <i>R. Rajesh, M.R. Kaimal</i>
5	Optimization of Triangular Membership Function Width Values of FLC To Attain An Objective Function With Minimum Number of Fuzzy-Rules <i>A. Vimalajuliet, C. Senthilkumar, G. Govindarajan, Aparajita Paul</i>
6	Parametric optimization of RPT - Fused deposition modeling using fuzzy logic control algorithm <i>A. Chennakesava Reddy, B. Kotiveerachari</i>

INFORMATICS

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1	Edge Detection of Textured Image <i>R.S Anand, Vaibhav Shrivastava</i>
2	Particle Filter for SpaceVariant Blur Identification <i>S. Ibrahim Sadhar, A. N. Rajagopalan</i>
3	Estimation of Vocal Tract Shape During Stop Closures <i>Milind S. Shah Prem C. Pandey</i>
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5	Wavelet Denoising In Image Analysis <i>M.Thiyagarajan, B.Santhi</i>
6	Image Segmentation by Binary Tree-Structured Markov Random Fields <i>P.Suresh,T.Mahesh, A. Venugopal Reddy</i>
7	Enhancement of radial arterial pulse by spectral subtraction <i>Apama M. Surve, Prem C. Pandey, S.S. Pratapwar, Vinod K. Pandey, N. S. Manigandan</i>
8	Hexagonal Pixel Grid Modeling and Processing of Digital Images Using CLAP Algorithms <i>K.Pramod Sankar, T.Sanjay, E.G.Rajan</i>

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1	Comparative evaluation of edge detection techniques for feature extraction in ultrasound NDT images <i>Alaknanda, R.S Anand, Pradeep Kumar</i>
2	Quantile Based Noise Estimation for Spectral Subtraction of Self Leakage Noise in Electrolaryngeal Speech <i>Santosh S. Pratapwar, Prem C. Pandey</i>
3	Extraction of Linear and Curvilinear road segments from satellite images <i>M.V.Nageswara Rao, S.P.Singh, T D Bhatt</i>
4	Signal Processing Robust Powerspectrum Estimation Methods <i>D.Satyanarayana, Satyaprasad, P.Gopal Reddy, M.V.Subramanyam</i>
5	Wind Profile Detection of Atmospheric Radar Signals Using Wavelets And Harmonic Decomposition Techniques <i>S. Varadarajan, K. Jithendra Reddy, G. Ramachandra Reddy</i>
6	Image fusion using influence factor modification method for digital image classification <i>M. Seetha, I. V. MuraliKrishna, G.V. Anjaneyulu</i>

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3	Binaural Dichotic Presentation for Moderate Bilateral Sensorineural Hearing-Impaired <i>Alice N. Cheeran, Prem C. Pandey</i>
4	Performance Analysis of Supervised and Unsupervised ANN for Segmentation of MR Images of Human Brain <i>Selvathi.D, Thamarai Selvi.S, Mohamed Hasbath Ali. M.A</i>
5	Analyzing Original Data After Depression – A Review <i>K. Muthu Ramalingam, A. Areef Khan, R. Siva Kumar</i>
6	A Radial Basis Function Neural Network For Glaucoma Diagnosis <i>V.Malarvili, G.V.Uma</i>
7	Machine Learning: A Survey on Machine learning approaches for Protein Structure Prediction <i>Y.Rama Devi, K.C.Reddy</i>
8	Molecular Analysis of Beta-Myosin Heavy Chain gene in Hypertrophic Cardiomyopathy <i>Reena T R, Annapurna S D, Ushasree B, Pratibha Nallari, Narasimhan C, Soma Raju B, Bhavesh Thakkar, Deeraj Narula, Kerkar P</i>

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