

# IJSCI

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### Table of Contents

Topics	Page Number
Towards Experimental Verification Of Distributed, Spinning / Vibrating String Energy Systems At Cosmic Level <i>Garimella Rama Murthy</i> .....	009
Compensating Systems - A Challenge For Neuro-Fuzzy Modeling <i>Claudio Moraga</i> .....	016
MIMO Channel Capacity Measurement Of Uniform And Exponential Correlation Matrix Models <i>K. Murali Krishna, K. Raja Rajeswari, G. N. Swamy</i> .....	021
Recognizing Human Movements Through Human Anatomy Based Coupled Hidden Markov Models <i>Kanav Kahol, Priyamvada Tripathi, Sethuraman Panchanathan</i> .....	025
E-Moviemaking System For Visualizing Screenplay Using Sound Motion Picture <i>Jinhong Shen, Seiya Miyazaki, Terumasa Aoki, Hiroshi Yasuda</i> .....	032
A New Coding Scheme For 2-D And 3-D MR Images Using Shape Adaptive Integer Wavelet Transform <i>Abhishek Mehrotra, R. Srikanth, A. G. Ramakrishnan</i> .....	038
The Fuzzy Space-Time Universe B. G. Siddharth .....	043
Content Bbased Image Inpainting Video Streaming And Object Tracking <i>Ankush Mittal</i> .....	049
Convergence In Telecommunications <i>K. M. Doraiswamy</i> .....	055
Design Of Optimum Cross-Sections For Load Carrying Members Using Multi-Objective Evolutionary Algorithms <i>Dilip Datta, Kalyanmoy Deb</i> .....	057
Rajan Transform And Its Uses In Pattern Recognition <i>M. Ekambaram Naidu, G. Sai Chand</i> .....	064
Recursive Formulation For Neural Generalized Predictive Control <i>D. N. Rao, M. R. K. Murthy, S. R. M. Rao</i> .....	071
Performance Evaluation Of Congestion Aware Distance Vector Routing In Mobile Ad hoc Networks <i>P. Ramamoorthy, A. Shanmugam, Garimella Rama Murthy, B. Tripathi</i> .....	076
Dominant Lines Perceptual Organization And Eigen Value Analysis: An Integrated Approach For Object Recognition <i>D. S. Guru, P. Nagabhushan, B. H. Shekar</i> .....	081
Performance Of The Split Vector Quantization Of Speech Line Spectral Frequencies <i>E. V. Krishna Rao, P. G. Krishna Mohan, P. V. Subbaiah</i> .....	087
Fingerprint Verification Using Vector Distance Approach For Minutiae Matching <i>A. N. Gaikwad, N. B. Pasalkar</i> .....	091
A Simple Algorithm For The Simulation Of A Direct Digital Synthesizer <i>N. Siva Srinivasa Murthy, K. Janardhan Rao, T. G. Thomas</i> .....	097
Speech Compression Using Lifting Schemes <i>V. S. Subahar, S. Valarmathy, D. Sarmila</i> .....	102
No Reference Measurement Of Blocking Artifacts In JPEG Compressed Images <i>D. Venkata Rao, L. Pratap Reddy</i> .....	108
Symbolic Computing - Nonnumerical Representation And Processing Of Signals And Images <i>E. G. Rajan</i> .....	114

# Abstracts

Sl.No.	Title of the paper	Abstract
01	Towards Experimental verification Of Distributed, pinning / Vibrating string Energy systems at Cosmic Level	The Author, Gari mella Rama Murthy postulates the existences of hypothetical Dark matter in the Universe and applies various experiments to explore the properties of Dark matter Synthesizable / Creatable on Earth. This hypothesis explains the experimentally observed SIX quarks and one electron. Fine Grain quantization laws for traslational harmonics is also defined.
02	Compensating Systems: A Challenging for Neuro-Fuzzy Modeling	The Author, Claudio Morago presents a method to extract fuzzy rules with the aid of neural networks through which rule based models can be prepared
03	MIMO Channel Capacity Measurement of Uniform And Exponential Correlation Matrix Models	The most prospective research in today's wireless communication is MIMO systems.(Multiple - Input and Multiple - output) The present paper studies the channel capacity using the uniform correlation matrix model and exponential correlation matrix model by analytical techniques
04	Recognizing Human Movements through Human Anatomy based coupled Hidden Markov Models	Hidden Markov Models have been the most popular technique for gesture recognition. However, all motion sequences performed by humans are constraints to the anatomy of the body. In this paper we use these constraints to construct a novel algorithm for modeling gesture. Hopefully, this approach might provide a better solution to the problem of whole body gesture recognition than traditional pose - driven methods
05	E-Movie making System for visualizing screenplay Using Sound Motion Picture	Dr. Shen Jinhong demonstrates the Digital software system tool with Design, which a common man can make his own Visual contents and deliver it easily over phone lines or fiber optic superhighway
06	A New coding Scheme For 2-D and 3-D MR Images Using shape Adaptive Integer Wavelet Transformation	Abishek Mehrotra proposes a new shape Adaptive Integer Wavelet Transform based progressive trasmission coding scheme for 2- D and 3-D MRI.The main contribution of this paper is it's unique approach which rejects the noisy background than the lossy compression as proposed in recent schemes. Another contribution is object is based 3-D coding which is out of scope of baseline JPEG2000
07	The Fuzzy Space-Time Universe	B. G. Sidharth starts with the "old " Cosmological history and defines the Dark Energy and its fluctuations. In between he speaks about Quantum Mechanism and justifies his points with the aid of mathematic formulas
08	Content Based Image In painting Video Streaming And Object Tracking	Ankush Mittal has briefed the new dimensions in Image Processing. First, is Image in painting, second is Content based video compression,and third is object tracking beyond the Visible Spectrum which is boom to video Sureillance,traffic control and detection of remote objects
09	Convergence In Telecommunications	Technical advancements in the Telecommunications can be credited to the increasing expectations and demands of the Customers.In this respect , K.M Doraiswamy, highlights some of the positive impacts in the developments
10	Design of Optimum Cross Sections for Load Carrying members Using Multi- Objective Evolutionary Algorithms	Dilip Datta attempted to Design optimum cross Scetions for load carrying members using a multi objective evolutionary algorithm.He justified his work through Case studies
11	Rajan Transform And Its Users Patter Recognition	M. Ekambaram Naidu details the techniques of using RT for pattern recognition purposes. For example, Pattern recognition operations like extracting lines, curves, from a digital gray or Color image could be carried out using RT based fast algorithms
12	Recursive Formulations For Neural Generalized Predictive Control	In this paper, Dr. D. N. Rao compares NGPC (Neural Generalized predictive control) with recursive NGPC, in order to investigate the recursive advantages.

13	Performance Evaluation of congestion Aware Distance Vector Routing Protocol in Mobile Adhoc Networks	P. Ramamoorthy examines the scalability issues pertinent to a protocol called Congestion - Aware Distance Vector Routing (CADV) .The behavior of CADV is analyzed in a densely populated area and the results drawn were useful for functioning and maintenance of the systems using it
14	Dominant Lines Perceptual Organisation And Eigenvalue Analysis: An Integrated Approach for Object Recognition	D. S. Guru has proposed a methodology which is invariant to linear transformations and is simple to realize.He describes a simple and robust method to recognise objects considering grouping of dominant lines and eigenvalue analysis
15	Performance of the split vector quantization of speech line spectral Frequencies	E. V. Krishna Rao came up with a new method of efficient split Vector Quantization (SQV) of line spectral Frequency (LSF) parameters for speech coding . Further he says that this application is much better than the current algorithms like LBG (LINDE, BUZO, GRAY) algorithm
16	Fingerprint Verification Using Vector Distance Approach For Minutiae Matching	A. N. Gaikwad briefs the identification of ridge bifurcation and implmentation of fingerprint matching using minutiae distance approach.This is a novel approach that makes the matcher invaritant to rotation ,translation and small amount of scale changes
17	A simple Algorithm For The Simulation Of A Direct Digital Synthesizer	N. Siva Srinivas Murthy gives a clear explanation about the architecture of Direct Digital Synthesizer (DDS) .Here a simple algorithm has been developed for the simulation of DDS and the results are shown using MATLAB 6.5
18	Speech Compression Using Lifting Schemes	In this paper Simulations as well as Segmental SNR evaluations were done and the results wereobtained to analyze the performance of the implemented algorithm. The Author,V.S.Subahar has compared the standarized technique and the lifting schemes in terms of compression ratio and signal to noise ratio.
19	No References Mesurement Of Blocking Artifacts in JPEG Compressed Images	D. Venkata Rao proposes a blocking effect mesurement technique to quantify the Image and Video compression in JPEG images.The proposed approach has the flexibility to integrate Human Visual System ( HVS ) features.
20	Nonnumerical Representation And Processing Of signal And Images lecture Series	In this lecture Sereies – 1, E. G. Rajan discuss the basic Issuse concerning the study of systems for symbolic processing of signals and images ,he comes out with fundamental philosophy quoting “ The Abstraction of Potential Realizability of Infinity and not the idealization of abstraction of actual infinity .”