



# 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)

### Student Papers List of ICSCI-2004

#### SYSTEMICS

Session SS-1	
1	<b>Analog VLSI implementation of Cellular Neural Network And Its Applications To Image Processing</b> <i>B. Yamuna, S. Veni</i>
2	<b>Systolic Architecture for Fixed Modulo GF (2n) Multiplier</b> <i>Vijaya kumar K, Bindu Madhavan K</i>
3	<b>Real-Time Operating System Energy Characteristics</b> <i>Prabakaran R, Shanmugahari M.</i>
4	<b>Design of an Embedded Model for a Fuzzy System</b> <i>Kanchan S. Tiwari</i>
5	<b>Embedded Tools</b> <i>Shyam Kumar, Mrinalmadhav Govind, Satish Kumar</i>
6	<b>Network RamDisk</b> <i>Amit Gawande</i>
7	<b>Micro Controller Based Anesthesia Injector</b> <i>S. Arthi, R. Parthibban</i>
8	<b>Guided System For Unmanned Vehicle Using Co-Ordinate Geometry</b> <i>Vivek Singh, Prateek Caire, Manish Agarwal</i>

Session SS-2	
1	<b>Effect Of Process Parameters On The Magnetoresistance Of Nanocrystalline Cu-Co Alloy Films Prepared By Eletrodeposition</b> <i>Tanmay Bera</i>
2	<b>A Novel Method For Ultra Low Power Applications Using Subthreshold Logics</b> <i>P.Mounica, V.Manoj Kumar, P.Kondal Reddy</i>
3	<b>Design Considerations for Optically Connected SoC</b> <i>D. Ravi Kumar, S.Karunakarm, K.Suresh</i>
4	<b>Congestion Controlled Placement And Routing</b> <i>Dhanya Satheesh, Jaya S</i>
5	<b>MEMS</b> <i>I. Mohan Rao, M. Murali Krishna, K.N.Malleswara rao, N.N.Pavan Raju, V.Nagesh Babu</i>
6	<b>MEMS Accelerometer And Its Applications</b> <i>Pratul Prakash, Kumar Vinodanand, Rakech Kumar Pandey</i>
7	<b>Nanotechnology</b> <i>I. Mohan Rao, M. Murali Krishna, K.N.Malleswara rao, N.N.Pavan Raju, V.Nagesh Babu</i>
8	<b>Nanotechnology</b> <i>Rahul B. Karadkar, Sandeep S. Wagh</i>

## Session SS-3

1	<b>Aircraft Guiding System with 3D-Display Of Terrain : Tunnel in the Sky</b> <i>Ashish Singhal</i>
2	<b>Wind Energy Generation In Non-Windy Areas Using Solar Concentrators</b> <i>M.Sundeep Krishna, R.Mekhala</i>
3	<b>Wastelands as a Non-Conventional Source of Energy</b> <i>Suresh Gopalakrishnan, M. Sundeep Krishna</i>
4	<b>Non Convention of Energy Resources</b> <i>Braj Bhushan</i>
5	<b>Performance Study of A Simulated Job Shop</b> <i>T.R.K.Kameswara Sarma, M.Phani Bhushan</i>
6	<b>E-Metering</b> <i>Javid H. desai, Sunil B. Das, Abhijeet H. Chavan</i>
7	<b>Process of Disinfection</b> <i>Abhishek Chaturvedi, Nidhi Mishra</i>
8	<b>Microsats and Their Applications</b> <i>S.Karthik, B. Maneendra</i>

## CYBERNETICS

### Session SC-1

1	<b>Voice Recognition- Text Dependent Speaker Identification (TDSI) System</b> <i>Prathap V., Anusha K.</i>
2	<b>Speech Recognition With Hidden Markov Models</b> <i>Vamsi K. Valluri, Sandeep Kota, Kodanda Ramam .G</i>
3	<b>Neural Network Based Learning Techniques: Application to Intelligent Driving</b> <i>Pankaj Rajan, Inder Jeet Singh, Vasu Gulati</i>
4	<b>Genetic Algorithm for Protein Structure Prediction</b> <i>K SrinivasaRaghavan</i>
5	<b>Analysis of Statistical Tests and Fuzzy Techniques in Diagnosis of Epilepsy from EEG signals</b> <i>P.Aravindan Bharathi, V.Beena.</i>
6	<b>Neural Network based Intelligent Pressure Sensor</b> <i>Saradwata Sarkar, Salil Popli, Siddhartha Laxman Medhi</i>

### Session SC-2

1	<b>Programmable Blocks: A Physical Programming Tool</b> <i>Ritu Raj Singh, Vineet Punnose</i>
2	<b>IRON CLAD: An Engineering Approach to Forbid Flight Hijacking</b> <i>Thilak Prasath T.P., Saravana Karthik .M.</i>
3	<b>Automated Visual Tracking in Real Time with Application to Designing Cost Effective, Hands Free, Conversational Human Computer Interface</b> <i>R V Nataraj, P. Raja Shaker.</i>
4	<b>Decision Making System in Routing Algorithm using AHP</b> <i>A.Sriram, Jyothy Gopalan, R.Venkatesh</i>
5	<b>Collision prediction and its avoidance: an experimentation technique</b> <i>A.Jithender Reddy, V.Gowrinatha Reddy, Lokesh Chowdhary</i>
6	<b>Learning Automata and reinforcement Algorithms</b> <i>A.L. Ramya, M.Haritha</i>

# INFORMATICS

<b>Session SI-1</b>	
1	<b>Compression of Radiologic(Medical) Images</b> <i>Deepak.B, B.K.S.Rao(Guide)</i>
2	<b>Vector Quantization and SPIHT in Image Compression</b> <i>Jilagam Pradeep Kumar</i>
3	<b>Performance Evaluation of Distributed Database Distributed Computing (DDDC) for Fingerprint Matching over large Database</b> <i>Vishwanath P. Khanapure</i>
4	<b>Digital Signal Processing( Designing of your own audio playback device by interfacing with the PC</b> <i>K. Muralidhar Raju</i>
5	<b>Mobile agent Technology in Distributed System for faster Information retrieval</b> <i>Biswajeet Sahu</i>
6	<b>Biometrics Information Processing</b> <i>M. Selvam , P. Sudha</i>

<b>Session SI- 2</b>	
1	<b>Emerging Network Standard For High Speed Communication With Efficient Security</b> <i>M. Ravikumar, P.dhanalakshmi</i>
2	<b>A Communication Efficient Key establishment Scheme for Wireless Sensor networks</b> <i>Pawan Kumar Jadia</i>
3	<b>DCS and PLC based traffic control through networking</b> <i>S.Karthik, A. C. Sangeethakumar, P.S.Lenin</i>
4	<b>Network Security using Deception Technologies</b> <i>K.Anand, R.Rashmi, M.N.Sivakarhik</i>
5	<b>Global Positioning Systems – Applications</b> <i>K.Sri Babu, L.Rani Rudrama Devi</i>
6	<b>Measurement of Water Vapor – using GPS</b> <i>K.Prasanthni, C.Swapna</i>

<b>Session SI-3</b>	
1	<b>Communication Network for the Aeronautical Industry</b> <i>M Surendra Nath</i>
2	<b>Performance Of Slip Algorithm In WATM Switch</b> <i>D.V.Nagarajan, N.Yogesh, J.Hemalatha</i>
3	<b>Mobile-ip</b> <i>Kranthi Challa, Aarunya Pamulapati</i>
4	<b>A Framework for peer to peer Radio streaming with End system Multicast</b> <i>P. Sunder, M. Krishna Das</i>
5	<b>Wireless Fidelity And Bluetooth</b> <i>Shyam Kumar, Mrinalmadhav Govind, Satish Kumar</i>

**Session SI-4**

1	<b>Effective Camber Profile for Two-High Mill Rolls</b> <i>William Jacob S. Dolla, Saritha Sodadasi, Ratnam Ch.</i>
2	<b>Component-based business process composition made simple</b> <i>Prashant Kaushik, K.G. Ranjani</i>
3	<b>Echelon- the hidden dragon</b> <i>Aalap R. Trivedi, Pavan H. Shah</i>
4	<b>Algorithms for Community Subject Identification: Experiments and Test Results</b> <i>Deepak P</i>
5	<b>TRANSCOMM (Transform the community)</b> <i>E.S.Mukesh Rao, V.S.R.Prasad Chowdary, T.V.R.Aditya Kumar</i>
6	<b>I. T. For socio-economic transformation in rural areas in developing countries</b> <i>Gaikwad Ravindra D, Tupe Vaibhav P, Pagar Nitin D</i>