



International Conference

Systemics, Cybernetics and Informatics (ICSCI - 2005)

January 06 - 09, 2005

Venue: Taramati Baradari Cultural Complex, Hyderabad, India
Chief Guest: Dr. Pradeep K. Khosla (Professor of Carnegie-Mellon University, U.S.A)

Student Papers List of ICSCI-2005

SYSTEMICS

Session SS-1	
1	Miniature Mantra "Nano Technology" J. V. Padmapriya, B. Venkat Shiva Ganesh, M. Siva Durga Prasad
2	Polymeric Biomaterials - A Brief Review Inder Kumar, Aditya Prakash
3	Nano-Technology - An Introduction T. Venkat Sai, D. Sreelekha, G. Adinarayana
5	Advantages of Nano-Technology P. Aditya, S. Revanth, G. Jayanth
6	Nano-Technology: Enhancement of MOSFETs Using Nanotubes Prashanth Bondada, T. Salman Raju
7	Track While Scan System V. Saravana Kumar
8	Nano World -- A Complete Review K. Raghavendar Rao, Saurabh Malik

Session SS-2	
1	Calculating Processor Utilization in Embedded Systems. Y. Srinivasa Reddy
2	Space Robots, Their Intelligence and Security Requirements Nishu Gupta
3	Embedding of Neural Networks in Robotics V. Mahalakshmi Sarada, M. V. Saikumar Srivastay
4	Suggested CPU Design of An Android Using the "Theory of Intelligent Design" Indrajeet Singh, K. Shanthi
5	Embedded Systems - An Overview Hemant Varde, Deepak Sav, Vishal Gupta
6	Micro Machining Techniques Used in the Fabrication of MEMS Shiva A. Aher, Sagar M. Lawhate, Milind V. Kolekar
7	Micro Robots Based on Micro Electro Mechanical Systems Nishant Garg, Navinderjeet Singh

Session SS-3

1	Zero Point Energy As a Non Conventional Source of Energy Nitin Bansal, Sahil Mohinder
2	Psychophysics of a New Mouse and Ergonomic Study of Mouse Holding Procedure Bhaskar Gupta
3	GENE Processor Rajnish Kaur Bedi, Deshpande Vivek S
4	Indian Pyramid P. J. Shanker Ganesh
6	Lunar - Solar Power Generation S. Anandh, P. Thamizhazhagan, A. Sambathkumar
7	Simulation, Design and Implementation of Hybrid Synthesizer for Frequency Hopping N. Siva Srinivasa Murthy

Session SS-4

1	Design of Microstrip Antenna for Mobile Handsets With Minimized Radiation to Human Head K.Gokulakrishnan, B.Jagadeshchandiran, S.Nagarajan
2	Modeling of Carbon Nano Tube FETs Girish K. Hariharan, Abhay Rathod, P. S. K. Balaji
3	EHW Chip for Cellular Networks Kuppa Aditya, Navneet Basson, Sajesh Nambiar
4	Controlling the mains of a building remotely using a SMS gateway Kapil Nawani
5	" Lawless " Universally Stable Floating Base Saurabh Sarkar, Arijit Maity
6	" Micro- Electro Mechanical System " [MEMS] Integration, Applications & Advantages Shikha Somani, Nishant Jain
7	Modelling in Nanotechnology Using Structural Model of an Atoms V Raghavendra, M Sravanthi
8	Design of a Profiled Corrugated Horn Antenna Using Particle Swarm Optimization M.Jayasheela

CYBERNETICS

Session SC-1

1	Aquatic Robot Anup Gupta, Misbah Nayeem, Akshay Sangekar
2	Control of Hopping Height For a One-Legged Hopping Machine Vivek Kumar, Deepak Prashanth
3	Fuzzy Position Controller for Robotic Manipulators P. Sumathi
4	WASBOT Shivam Shukla, Harsh Kumar Singh, D. Krishna Aravind
5	Advanced Control Systems " Fuzzy Logic Control" Ch. V. K. Shailesh Kumar, M. G. S. R. D Prasad, A. M. S Pratap Reddy
6	Cybernetics for Living Organisms Vishal S. Joshi, Sunil R. Dolwani
7	Creating A Biological Robot Neeraj Krishnan

Session SC-2

1	The Weapon of Next Age Mudit Misra, Vipul Shrivastava
2	Position Vectoring for Battle Tanks Sugata Ranjan Das
3	A Visual Keyboard -Replacement for Conventional Keyboard Raaja Sunder, Revathi Sundararajan, Srinidhi Devanathan
5	Applications of Nanotechnology in Chemical Engineering Shruti S. Kulkarni, Rohan B. Rajeshirke
6	Pranic Healing - Solution for Any Disease V. V. Nagarjun, B. Mohan Vamsee
7	Real-Time Operating Systems: Aperiodic Task Handling & Shared Resources Accessing Protocols E . Kranthi Kiran, K. Ravi Tej, Bharat Kumar S S Eapi

Session SC-3

1	Bacterial Computing U. Raj Kumar, Vejeey Karthick Gandier, J. Mahendran
2	Artificial Immune System - A Computer Defense System Niranjan Y. Mutkekar, Nikita A. Maheswari
3	Method for Solving Polynomial Algebraic Equations With Infinite Degree and Its Applications Prateek Caire, Manish Agarwal, Ankur Bansal, Kumar Vishal
5	Application of Artificial Intelligence in Space Exploration Animesh Sarkar, Surabhi Paliwal
6	Artificial Intelligence and Its Applications S. Preethi, S. Athilakshmi
7	Safety of Indian Railways with the Networking of GPS Sensors and Software Systems With the DBMS Himanshu Amol Dande

Session SC-4

1	Re-Engineering Educational Institutions - The Smart Way R. Anitha
2	LESS Algorithm: A New Approach Towards Image Compression Saurabh Sarkar, Sourav Maji
3	Understanding Genetic Algorithms Varun A. Mali, Kunal R. Tripathi, Akshay V. Malkapur
4	A Ray of Light -- A Non Contact Aid for Blind Saurabh Sarkar
5	Handwriting Recognition -- " Offline " Approach S. K. Biswal, S. Kamal Kishore
6	Recognition of Handwritten Characters and Identification of Writer Basil Haider, Mayoor Sahu, Abhinav Sinha, Ritesh Verma
7	Comparative Study of a Back propagation MLP Network Classifier and HMM Based Technique for Text- Independent Speaker Recognition Abhinav Sharma, Gaurav Gopal Gupta, Kumar Gaurav Tiwari

Session SC-5

1	A Secure Instant Messaging System using Contributory Key Arrangement Amandeep Thukral, Sriram Srinivasan
2	A Hybrid Algorithm For Peak Power Minimization in Scan Testing Ashwinee Kumar Jha
3	Ion Mobility Spectrometry for detection of Explosives 5.3 & Narcotics P.Madhusudhan
4	Supply Chain Under Seasonal Demand Scenario B. S. Narayana
5	Low Cost Computer Controlled Research Robo M. S. Prathyush, S. Sabari Kumar
6	SPIDYBOT-- A Six-Legged Micro Core Controlled Walking Robot M. S. Prathyush, S. Sabari Kumar, V. Rajkumar, M. M. Sanjay
7	Speed Control of Vehicle in the Accidental Zone Using Frequency Modulation Technique P. Gunasekaran, M. Ramanan, T. Suresh, K. Venkatesh

INFORMATICS

Session SI-1

1	Generation of an IEEE 802.11A Baseband Complex System Using MATLAB K. Anusha
2	4G Wireless Technology for Mobile Systems Pradnesh A. Patil, Shekhar D. Jalane, Abhishek A. Malu
3	Authentication of MANET Through Self Issued Certification Using Public Key Cryptography R. Murugan
4	Prevention of Subverting and Eliminating Misbehaving Nodes in Mobile Ad Hoc Networks R. Vadivelan
5	Universal Re-Engineering Architectural Framework For Internet Environments S. Saravanan, V.SivaKumar, R. Velumani
6	Adhoc Networks with Swarm Intelligence S. Vidhya
7	CDMA - Mobile Communications Pooja Malpani, Vaibhav Jain

Session SI-2

1	Geometric Analyses of Remote Sensing Karthek Reddy Solipuram, Vishal Kumar, Parthasarthy Bhaskar
2	Space Technology : New Trends in Remote Sensing K. Aravind, A. Praneeth
3	Fuzzy Bloom- Based Filters for Indexing in Image Database Ratul Mukhopadhyay
4	Data Warehousing Sarika Tambe, Rohini Pawar
5	An Efficient Method For Mining Association Rules in a Large Data Base Amit Goel, Vaibhav Jain
6	Data Mining and Knowledge Recovery K. Ravindranadh, G. Sai Praveen
7	Data mining and Knowledge Discovery Nalam Lakshmi Sailaja, Nalam Lakshmi Padmaja

Session SI-3

1	Biometric Security System--Case Study Ankur Pradhyumna Kale
2	Fingerprint Information Processing P. Vamsi Mohan
3	Steganography and Steganalysis Using Multimedia Objects Ansuman Patro, Devendra Singh Rawat, Dhruv Mangla
4	Mobile Iris Recognition System K. Anitha, K. Aravinth Maharaja, A. Kavipriya
5	Biometric Information Processing C. Divya, G.Divya Teja
6	Digital Image Watermarking For Information Security U. B. P SivaKumar
7	Ultrasound Image Resolution Enhancement Using Non-Linear Harmonic Filtering M. S. R. Dixit, U. Venu Mahesh

Session SI-4

1	A Neural Network View of Wavelet Based Bayesian Classifier S. P. Rath, S.N. Dehuri, R. Mall
2	Intelligent IR Transreceiver System with Protocol Adaptive Communication Ankur Bansal
3	Architectural Framework for License Management in Smart Phone Applications S. Saravanan, V. Sivakumar, R. Velumani
4	A New Encoding Algorithm For Vector Quantization S. Bhann Chander Raj, S. Sujatha, B. Sangeetha
5	Adaptive Enhanced Neural Perceptor Prasad Satish Rode Patil, Sumitawa Mukherjee
6	Genetic Algorithm Milky Modi, Shraddha Soman
7	Keyword Searching in Databases Aayush Deep Garg
8	DNA Computing N.Badrinath

Session SI-5

1	Artificial Intelligence and Its Applications Sri Rangaru Kapilesh, Ms.Robab Khan
2	Astronomy and Space Science from the Moon Manjusha Ajay, Bala Priyadarshini Shanmugham
3	Electronic Intelligence in Combat Space Harish T.P
4	AUM3's Communication Sham Naragund
5	Taking Information Technology to the Heart of India Akashdeep, Suseela, Lalith Kumar
6	Impact of Telemedicine on Acute Stroke Congenital Heart Diseases B. S Anuradha, P.L.Vineela
7	ICT and its Applications for Socio- Economic Development of a Nation A. Kaushik, C. Mahita Rao

Session SI-6

1	Network Representation of Evolutionary Relationship Using Different Algorithms M. A. Haque Farquad, M. A. Zahid
2	Fingerprint Recognition by Neural Networks M. Ajay Babu
3	Unsupervised Neural Network for Data Compression Jaya Sinha
4	Applications of Artificial Neural Networks in Miscellaneous Fields K. N. Kartheek, T. M. Krishna
5	Protocol Design and Implementation of WLAN using Bluetooth Technology Gaurav Bansal, Zial Hasan, Vikas Yadav
6	Digital Watermarking Techniques C. Vallabh, A. Smitha, T. Bhagath
7	Securing WEP using Fast Packet Keying Method K. Sasi Kumar, S. Sathish Kumar, S. Pradheep

Session SI-7

1	Computer Network, Protocol and Security Nikhil P. Alandkar, Tejashree S. Jagtap
2	Biometric Security K. Balaprasad, T.Arun kumar reddy, B. Sudheer
3	Incorporating CMOS Design Process into QCA Logic Design Process Vijay Kumar, R. Sudarshan Reddy
4	Optimal selection of capacitors for radial distribution system using algorithm Amarnath Reddy T, Kiran Kumar M, Jyothi R, Shiva Jyothi P
5	Intelligent Software Agent Technology & its Application in PDAs and E-market Biswajeet Sahu
6	Robust Record System by Using Pattern Recognition With Optimization Biswajeet Sahu, Piyush Agarwal, Krishna Kumar Sharma, Abhishek Shukla
7	Design Issues of a Real Time Operating System (RTOS) V. Prathap, M. Shanmughahari

Session SI-8

1	Automated & Quantitative Image Analysis of Coronary Vessel and its Application in Coronary Artery Reconstruction Richa Gour, Shubank Thakur, Neha Sharma
2	Interactive Gaming in Virtual Environment Sumit Kumar Guha, Rituja Dwivedi, Puja Krishna
3	Intelligent Information Retrieval Ms. Pooja Jain
4	The Thought Interpreter K. A. V. Ramaraju, N Praveen Kumar, N. Dilip Kumar
5	Photo Realistic Talking-Heads from Image Samples K. VijayaKumar
6	Digital Light Processing (DLP) Projection Systems M. Naveen
7	Generation of Test Signals for Control Signal Engineering Using DSP TMS 320C5X V. Amulya, K. Jairam, R. Nishchala, K. Varshita

Session SI-9

1	Honeypots – Intrusion Detection Decoy System addressing base rate fallacy problem K.Siva Kumar
2	Process Automation Using A Dual Axis Robot N. S. Eujish, T. Alfred Dinesh, S. John Daniel
3	Resolving Transmission Gridlock And Enhancement Of Available Transfer Capability Using Facts N. S. Eujish, T. Alfred Dinesh, S. John Daniel
4	Challenges in Industrial Applications of Fault Diagnostic Systems J. Sreedhar