

# ICSCI-2012

## Contributed Papers

### SYSTEMICS

Date: February 15, 2012; Time: 9.00 am to 1.00 pm

### Inaugural Function

Venue: **Tungabhadra Auditorium**, Dr. MCR HRD Institute  
Road No. 25, Jubilee Hills, Hyderabad – 500 033

#### Agenda:

1. 9.00 AM Invocation (Vedic Chant)
2. 9.10 AM Inviting guests on to the dais
3. 9.20 AM Introduction of dignitaries on the dais
4. 9.40 AM Lighting the lamp by dignitaries
5. 9.45 AM Introduction of the Hosting Company, Pentagram Group of companies and Associated Institutions and forums by the Vice President, Pentagram Research; Honoring the Managing Director, Pentagram Research Centre on the occasion of her 60<sup>th</sup> birthday.
6. 10.00 AM Conference Report by the Chair, ICSCI-2012
7. 10.10 AM Release of Conference Proceedings and Conference CD
8. 10.20 AM Award Ceremony and brief address by the Awardees
9. 11.00 AM Brief address by other dignitaries on the dais
10. 11.30 AM Keynote Address by the Vice Chancellor, Anna University of Technology, Coimbatore.
11. 12.30 PM Vote of thanks by the Secretary, ICSCI-2012, Announcements
12. 1.10 PM LUNCH

NB: The agenda may get modified in order to suit the convenience of the Chief Guest.

# ICSCI-2012

## Contributed Papers

### SYSTEMICS

Date: February 15, 2012; Time: 2.00 pm to 6.00 pm

#### Workshop on 'Control Theory'

Sl.No	Name of the Instructor	Affiliation	Topic	Time
1	Dr. M. Thiyagarajan	Visiting Director, LEJ Brouwer School, Pentagram Research Centre	Stochastic Control	2.00 pm to 2.30 pm
2	Dr. E. G. Rajan	President, Pentagram Research Centre	Logical Control	2.00 pm to 3.00 pm

Session: **CS-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Paper	Authors	Remarks
CS-1.1	An Internal DC - UPS With Multiple Output AC-DC Converters	K. Srinivas M. S. Teja	
CS-1.2	Optimal Design And Analysis Of Automotive Composite Drive Shaft	G. Santhosh Rathnam Jayanand T. L. Kishore	
CS-1.3	A Novel Statistical Adaptive Position –Speed Controller For AGV's to achieve Robust Index Performance (IP)	Sangeeta Jana Dr. Malay K. Pandit Asim K. Jana	
CS-1.4	Three-Phase Diode Rectifier With Active Current Modulation And Efficiency	Jeji. K Smt. CH. Sujatha	
CS-1.5	Gain Optimization of TDFA with Length Variation Impact Factor in DWDM System	Inderpreet Kaur	
CS-1.6	Real Time Implementation of Adaptive Noise Canceller	Vijay Kumar Gupta Mahesh Chandra S. N. Sharan	
CS-1.7	Vision Based Real Time Object Tracking Using Moving Camera	Shyam Lal Mahesh Chandra Gopal Krishna Upadhyay	

Note: All authors are requested to keep up to the given time and help session organizer complete the proceedings without any delay.

A workshop on Control Theory would be organized from 2.00 pm to 3.00 pm followed by the technical sessions

Session Organizer

Secretary, ICSCI-2012

Chair, ICSCI-2012

**ICSCI-2012**  
**Contributed Papers**  
**CYBERNETICS**

Date: February 15, 2012; Time: 2.00 pm to 6.00 pm

Session: **CC-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of the paper	Authors	Remarks
CC-1.1	Extraction Of Initial Approximant By Triangular Method And Extension Of Routh-Hurwitz Criterion For Error Correction To Solve Real-Coefficient Polynomial	Ramani Bai. V S. N. Sivanandam	
CC-1.2	A Simplified Representation Of Multidimensional Database Using Classifier Based Visualization Model	K. Vengatesan Dr. S. Selvarajan	
CC-1.3	A Novel Approach For Multiple Resource Allocation In WWW	S. Karpaga Selvi Prof. Dr. M. Thiyagarajan	
CC-1.4	An Avatar Based Translation System From Arabic Speech To Arabic Sign Language For Deaf People	Sami Halawani AB. Rahman Daut Bin Daman	
CC-1.5	Identification Of Factors That Contribute To Improve The Performance Of RTOS	Prakash S. Prasad Dr. Akhilesh R. Upadhyay	
CC-1.6	ONLINE MINERA Web Usage Mining Tool For Personalization	Sreeram Munisankaraiah K. Kishore Kumar Dr. D. Suresh Babu	

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# ICSCI-2012

## Contributed Papers INFORMATICS

Date: February 15, 2012; Time: 2.00 pm to 6.00 pm

Session: **CI-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of The Papers	Authors	Remarks
CI-1.1	A Study On Design Issues, Research Challenges, Quality Of Service Support For Wire Less Sensor Networks	H. Chandramouli Dr. S. C. Desai R. B. Dayananda K. S. Jagadeesh	
CI-1.2	On Demand Hierarchical Routing Protocol For Mobile Ad Hoc Networks	M. Neelakantappa Dr. A. Damodaram Dr. B. Satyanarayana	
CI-1.3	Challenges In Bandwidth Utilization And Scheduling Algorithms For Wireless Broadband Networks	S. John Justin Thangaraj A. Pushparaghavan	
CI-1.4	Certain Advanced Threats In MANET Security	K. Mathivanan A. Pushparaghavan	
CI-1.5	Comparative Analysis Of Modulation Formats On Performance Characteristic Of Fso Communication Sys Under Different Environment Conditions Operating At Bit Rate Of 2.5gb/S	Himali Sarangal Manjit Singh	
CI-1.6	Remarks About TCP To Deal With Packet To Packet Traffic	Ajay Shankar Singh Dr. E. G. Rajan Dr. Manish Prateek	

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# ICSCI-2012

## Students papers

### SYSTEMICS

Date: February 15, 2012; Time: 2.00pm-6.00pm

Session: **SS-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Paper	Authors	Remarks
SS-1.1	MPPT For Wind Energy Conversion With Simplified Curve Fitting Approach	Mohammad Waseem Akram	
SS-1.2	LED Moving Message Display	Amrit Singh Bedi Ashish Sharma Rajmaninderdeep Singh Brar Maninder Singh	
SS-1.3	Use Of 3D-Scanning And Reverse Engineering By Manufacturing Of Industrial Component Using Rapid Prototyping	Sagar M Baligheid Santhosh Veerasha. G	
SS-1.4	Investigation Of Power Quality And Simulating It's Impact On Sensitive Electronic Equipment	K. Hanumantha Rao Pravallika Pasunoori Jaya Chandra Vendra	
SS-1.5	Science Of Yagna	P.Guru Prasad	
SS-1.6	Water as fuel for Vehicles	Ch. InduRekha G. ndrani MadhusmitaShial OmPravaMishra	
SS-1.7	Simulink Model for Integrating PV & WG with Diesel-Battery System for Financial Analysis and Environmental Impacts of a Remote Village	C. Sai Swaroop E. Shiva Sai Kumar	
SS-1.8	SIM Model Approach For Design And Simulation Of Digital Up Converter For Line Communication Systems	Varampati Anitha Reddy P. Gayathri I. Divya J. Nitisha Azharoddin.Shabirmiya Ibrahim Patel N. Mounika	

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# ICSCI-2012

## Students Papers

### CYBERNETICS

Date: February 15, 2012; Time: 2.00pm-6.00pm

Session: **SC-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of The Papers	Authors	
<b>SC-1.1</b>	Comparison Between KNN and SVM Method for Speech Emotion Recognition	Ahmed Sajjad Khan Mohammad Salman Rahatulla Khan Nitesh Kumar	
<b>SC-1.2</b>	Three Dimensional Web Structuring	Y. Prathyusha	
<b>SC-1.3</b>	SMS Based Disaster Management System	Dhuri Nishikant M Patel Pratik. M Zambad Shailesh S	
<b>SC-1.4</b>	Meritorious Side of Data Mining	Nandhini K	
<b>SC-1.5</b>	Wireless Criminal Tracking System Using Mobile Computing	Deepak Kapgate	
<b>SC-1.6</b>	A Channel Assignment Using Genetic Algorithm in Matlab	S. R. Ganar Abdul Razique Asifa Anjum Aasiya Anjum	
<b>SC-1.7</b>	Designing of Linux Based Firewall to Prevent Continuous Attacks	B .Purnachandra Rao B. Karunaiah	
<b>SC-1.8</b>	RF Based Touch Screen Universal Remote Control with for Customer Electronic Devices	Sk. Sahir A. Srinivasa Rao	
<b>SC-1.9</b>	Design og Pipelined FFT Processor Based on FPGA	Ganesh Kumar RAYudu G. Leenendra Chowdary Sukesh Kumar B S	

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# ICSCI-2012

## Workshop on Research in Life Sciences

Date: February 16, 2012; Time: 9.00 am to - 1.00pm  
Workshop Schedule

Moderator: **Prof. Dr. Kaiser Jamil**

### Session - 1

SI No.	Instructor	Topic	Duration 9.00 am to 1.00 pm
1	Mr. M. V. Ramanujam (Coordinator)	Introduction of Instructors	10 Minutes
2	Prof. Dr. Kaiser Jamil (Session Chair)	Briefing of the Workshop	10 Minutes
3	Prof. Dr. Andras Pellionisz		
4	Prof. Dr. Kaiser Jamil		
5	Dr. Bishwajit Nag	Natural Product Based Discovery of New Class of Orally-Active Molecules	
6	Dr. Karunakaran	Role of MicroRNAs in cancer	
7	Dr. Andras Pellionisz		

### Session - 2

SI No.	Instructor	Topic	Duration 2.00 pm to 6.00 pm
1	Prof. Dr. E. G. Rajan	3-D Image Processing Tool LIPS Version 4.0, Flagship product of Pentagram Research	30 Minutes
2	Prof. Dr. Michael Coyle	Technology Centric Views for Biomedical Applications	30 Minutes
3	Prof. Dr. V. L. Narasimhan	Technology Centric Views for Biomedical Applications	30 Minutes
4	Dr. Narasimhan Srinivasan		
5	Dr. G.S.N. Prasad		
6	Ms. Devaki Krishna Sai	The Influence Of Celestial Environment On The Cellular Environment	30 Minutes
7	Dr. Sathyanarayana Murthy	Delivery of Advanced Scientific Knowledge and Services To common people in rural areas at their door step Under Medical Practices in General Category	30 Minutes
8	Dr. N. G. Rao	Communication between doctor and patient	30 Minutes
9	Dr. Mahendran		
10	Mr. M. V. Ramanujam	Concluding Remarks and Vote of Thanks	

# ICSCI-2012

## Contributed Papers

### SYSTEMICS

Date: February 17, 2012; Time: 9.00 am to 1.00 pm

Session: **CS-2**

Keynote Speaker:

Session Chair:

Paper ID	Title of The Papers	Authors	Remarks
CS-2.1	Performance Evaluation Of Erbium Doped Fiber Amplifier And Optimization	Neena Gupta	
CS-2.2	Statistical Analysis Of Solar And Wind Energy	Shalni Chandan	
CS-2.3	Design And Simulation Of Pi Shape Microstrip Patch Antenna For WLAN Applications	Naresh Kumar Davinder Prakash Rajesh Khanna	
CS-2.4	A Novel Floating – Point Arithmetic Unit (FPU) For Advanced Computing Systems	Rathindra Nath Giri Atanu Samanta M. K. Pandit A. K. Jana	
CS-2.5	Knowledge Discovery In Biometric Leukemia And Kidney (Renal) Cancer Applying Ontology Driven Approach	C. Sujatha Dr. R. Anitha	
CS-2.6	Prevention And Treatment Of Diabetes With Natural Therapeutics	C. Sujatha Dr. R. Anitha	
CS-2.7	Screening Of The Microorganisms Producing The Enzyme Periplasmic Amidohydrolase An Anti -Tumor Agent	R. D. ShailimaVardhini Doneti Ravinder	

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# ICSCI-2012

## Contributed Papers SYSTEMICS

Date: February 17, 2012; Time: 9.00 am to 1.00 pm

Session: **CS-3**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Papers	Authors	Remarks
CS-3.1	The Influence Of Celestial Environment On The Cellular Environment ( A Mathematical View)	Devaki Krishna Sai Prasad Guruji	
CS-3.2	Modeling And Optimization Of Process Parameters During End Milling Of Hardened Steel	V. V. K. Lakshmi Dr. K. Venkata Subbaiah Dr. Ch. Divakar	
CS-3.3	A Novel Approach To Ensure Security Of Embedded Data By Using Image As A Key	Sabyasachi samanta Saurabh Dutta Gautam Sanyal	
CS-3.4	Technologies of all optical solitons Logic	Kadam Bhambri Dr. Neena Gupta Deepti Punjabi	
CS-3.5	Impact Of Non-Linearity In Terms Of BER In Optical Soliton Transmission	Manjit Singh Himali Sarangal	
CS-3.6	Oscillation Criteria For Second Order Nonlinear Difference Equation	S. Nalini S. Mehar Banu	
CS-3.7	Driver's Fatigue Detection System Based On Mouth And Yawn Analysis	M. Ahalya Rani V. Sathish Kumar A. Aslesha Lakshmi	

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# ICSCI-2012

Contributed Papers  
**CYBERNETICS**

Date: February 17, 2012; Time: 9.00 am to 1.00 pm

Session: **CC-2**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Paper	Authors	Remarks
CC-2.1	Effective Communication Model For Global Tsunami Evacuation System Of Secret Doctrine	K. Gunasekar	
CC-2.2	Fabric Defect Detection Using Neural Networks	Dr. G. M. Nasira P. Banumathi	
CC-2.3	Caching Techniques For Large Scale Web Search Engines	Gopal Krishna Shyam Priyanka Bharti	
CC-2.4	Design Patterns Analysis For Predicting The Quality Of Object Oriented Design	Kishor R. Kolhe Akhil Khare Dr. Akhilesh R. Upadhyay	
CC-2.5	Cloud Computing For Microfinances	Suma. V Bhagavant Deshpande Vaidehi. M T. R. Gopalakrishnan Nair	
CC-2.6	Semantic Ranking Approach For Web Search Engines	Johnson Kolluri D. Naveen Kumar P. Ashok	

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# ICSCI-2012

## Contributed Papers

### INFORMATICS

Date: February 17, 2012; Time: 9.00 am to 1.00 pm

Session: **CI-2**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Paper	Authors	Remarks
CI-2.1	Wireless Cognitive Radio Networks: Issues And Challenges	S. Suganya C. Deepa Dr. A. Pushparaghavan	
CI-2.2	Performance Analysis Of CBIR System Using DWT, Real And Complex Dual Tree DWT	Sanjay Pantil Sanjay Talbar	
CI-2.3	Secret Data Transmission Using Audio Signal Processing In Direct Sequence Spread Spectrum	S. Rajanarayanan A. Pushparaghavan	
CI-2.4	Endaira VS E-Endaira Secure Routing Protocol For Manets	T. V. S. Prasad Gupta S. Ajay Kumar Dr. M. Tirupathi Reddy	
CI-2.5	MC CDMA PAPR Reduction Technique Using Discrete Wavelet Transforms And Companding	B. Sarala D. S. V. Venkateswarulu	
CI-2.6	Channel Estimation In OFDM Systems Using MMSE & LS Estimators	S. Anuradha K. V. V. S. Reddy B. Narasimha Rao	

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# ICSCI-2012

## Contributed Papers

## INFORMATICS

Date: February 17, 2012; Time: 9.00 am to 1.00 pm

Session: **CI-3**

Keynote Speaker:

Session Chair:

Paper ID	Title Of the Papers	Authors	Remarks
CI-3.1	Wireless Transmission of Bio Medical Signals for Health Monitoring Applications Quick wireless Doc	N. Dinesh Kumar Chintam V B Aditya Kumar Dr. V. S. K. Reddy P. Raghu ram	
CI-3.2	Analysis of Digital Water Marking Technique	Ankit Anand Jassimrat Kaur	
CI-3.3	Application Of EDGE Based Segmentation On Finger Print Images	Dr. M. Nagabhushana Rao M. Venkateshwara Rao M. V. Sangameswar	
CI-3.4	Local Entropy And Local Moments For Video Indexing And Retrieval	Satishkumar L. Varma, Sanjay N. Talbar	
CI-3.5	Development Of Sub Pixel Analysis Method Based On Colorimetry By Contextual Method	Merugu Suresh Dr. Kamal Jain	
CI-3.6	SAR Image Segmentation Based On Higher Order Moment	Deababrata Samanta Goutam Sanyal	

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**ICSCI-2012  
Contributed Papers  
CYBERNETICS**

Date: February 17, 2012; Time: 2 .00 pm to 6.00 pm

Session: **CC-3**

Keynote Speaker:

Session Chair:

Paper ID	Title Of the Paper	Authors	Remarks
CC-3.1	Global Dynamics Of Bidirectional Associative Neural Networks With Hysteresis.	G. Padmavathi	
CC-3.2	Modeling Of Snow Flake Crystals Using Packards Cellular Automata	Shanthi Madhan Mohan Dr. E. G. Rajan	
CC-3.3	Performance Analysis Of An Adaptive Mechanism For Access Control In Vehicular Ad Hoc Networks	A. Manikandan A. Singaravelan	
CC-3.4	Eye State Detection And Analysis For Driver's Fatigue	M. Manasa Devi G. Ramesh Chandra	
CC-3.5	An Approach For Vehicle Location Tracking Using GPS, GPRS And Google Maps	P. Lakshmi Priya	
CC-3.6	Bezier Curves Based Gait Recognition	G. Venkata Narasimhulu Dr. S. A. K. Jilani Prof. Jammi Ashok	
CC-3.7	Computer Methods For Solutions Of Systems Of Nonlinear Polynomial Inequalities And Equations	Manipriya Sankar R. Sharma	

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**ICSCI-2012**  
**Contributed Papers**  
**CYBERNETICS**

Date: February 17, 2012; Time: 200 pm to 6.00 pm

Session: **CC-4**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Paper	Authors	
CC-4.1	Pattern Mining And Data Clustering Analysis For Breast Cancer	D. Banumathy Dr. S. Selvarajan N. Magendiran	
CC-4.2	Hybrid Pso/Aco And Clustering Algorithm: A Brief Survey	P. Manikandan Dr. S. Selvarajan J. Nashreen Begum	
CC-4.3	Projected Distance-Based Clustering Of High Dimensional Data	R. Sumathi Abdul Mannan Sheik Gouse	
CC-4.4	A Comparative Analysis Of Data Mining Tools In Agent Based Systems	Sharon Christa K. Lakshmi Madhuri V. Suma	
CC-4.5	An Approach For User Modeling Of Contextual Data Mining Towards Assisting The Treatment Of Anxiety Disorders	A. Kousar Nikhath R. Vasavi B. V. Kiranmayee	
CC-4.6	Term Based Concept Hierarchy For Text Mining	A. Brahmananda Reddy Dr. A. Govardhan K. Ramakrishna Dr. B. Padmaja Rani	
CC-4.7	Web Mining: A Crucial Solution To Augment The Business On Web	M. Sampath Kumar P. Dileep Y. Raju	

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# ICSCI-2012

## Contributed Papers INFORMATICS

Date: February 17, 2012; Time: 2.00 pm to 6.00 pm

Session: **CI-4**

Keynote Speaker:

Session Chair:

Paper ID	Title Of the Paper	Authors	
CI-4.1	Methodology For Detection Of QRS Pattern Using Secondary Wavelets	T. R. Gopalakrishnan Nair Geetha A. P A. Sharani	
CI-4.2	Physiological Behavior Of EEG: A Statistical Approach To Binary & Multiple Class Pattern Recognition Of Motor Imagery Noninvasive EEG For Brain Computer Interface (BCI)	Angikar Sarkar Samayita Ganguly	
CI-4.3	Fractal Image Compression and other Compression Techniques for Face and Biomedical Imaging	G. V. Maha Lakshmi Dr. S. Rama Mohana Rao	
CI-4.4	Cloning, Overexpression, Purification And Characterization Of Human Recombinant Interleukin 28-A In Escherichia Coli	Dr. J. Venkateshwara Rao. Dr. D. Jayasree	
CI-4.5	The Prediction Of Functional Nature Within The Disorder Region Of Influenza A Viral Capsid Protein Hemagglutinin	Baby Jerald. A T. R. Gopalakrishnan Nair	
CI-4.6	Orthogonal Sixty -Phase Sequence Sets Design Using HA	E. N. V. Purna Chandra Rao Dr. S. P. Singh Dr. T. D. Bhatt Dr. E. G. Rajan	

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**ICSCI-2012**  
**Contributed Papers**  
**INFORMATICS**

Date: February 17, 2012; Time: 2.00 pm to 6.00 pm

Session: **CI-5**  
 Keynote Speaker:  
 Session Chair:

Paper ID	Title of the Papers	Authors	Remarks
CI-5.1	Stochastic Characteristic Of Traffic On A High-Speed Vehicular Ad-Hoc Network	Mousumi Paul Goutam Sanyal	
CI-5.2	A Real Time Intrusion Detection System For Dos Attack In Ip Networks Based On Network Resource Monitoring	Neella Ashwini M. Sahithi Lahari Nanankala Swetha G. Rajitha Reddy Dr. G. Manjunath	
CI-5.3	Intrusion Detection System For Wireless Networks By Clustering Based Intrusion Detection System	N. Vijayalakshmi CH. Shravani K. Prasanth P. Vijaykumar Dr. G. Manjunath	
CI-5.4	MAC Protocols For Wireless Sensor Networks – A Comparative Study	P. V. Siva Kumar Prof. Rajasekhara Rao Kurra	
CI-5.5	Performance And Analysis Of Multiplexing Techniques In Broadband Communication.	Logarasu Rangasamy Dr. A. Pushparaghavan	
CI-5.6	Internet Security: An Overview	Prof. Jammi Ashok KSMV. Kumar Dr. Komati Satish	

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**ICSCI-2012**  
Students Papers  
**INFORMATICS**

Date: February 17, 2012; Time: 2 .00 pm to 6.00 pm

Session: **SI-1**

Keynote Speaker:

Session Chair:

Paper ID	Title of The Papers	Authors	Remarks
SI-1.1	The Medical Image Compression with Embedded Zerotree Wavelet	S. D. Kale Abdul Sattar	
SI-1.2	A Novel Wireless Mobile Optical Communication System	Abhishek Gayen Debjeet Poddar Subrata Dey Gourab Das Subrata Dey M. Ali Raja Surajit Neogi	
SI-1.3	Image Contrast Enhancement using Histogram Equalization	R. Navya Sri R. Sireesha Mashusmita Shial Om Prava Mishra Indira	
SI-1.4	Botnet Defence in P2P Network Using Honey Pots	R. Jayasree V. Karthika	
SI-1.5	A New Framework for Real Time Video Processing	V. Dhana Lakshmi N. Mahathi N. Deepika Sai Durga	
SI-1.6	Implementation of a Low Complex Video Compression Method By ACC-DCT	T. Swapna K. V. Murali Mohan	
SI-1.7	An Authenticated Policy-Complaint Routing	Tatarao Dagani	
SI-1.8	Architecture for 2-D Lifting Based Discrete Wavelet Transform	Md. Isahaq, G. M. G. Madhuri	
SI-1.9	A New Architecture for Web Based Image Processing System	A. Sailaja P. Alekhya, J. Smrithi A. Aslesha Lakshmi G. Ramesh Chandra	

Session Organizer

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# ICSCI-2012

## Contributed Papers

### INFORMATICS

Date: February 18, 2012; Time: 9.00 am to 1.00 pm

Session: **CI-6**

Keynote Speaker:

Session Chair:

Paper ID	Title of the Papers	Authors	Remarks
CI-6.1	Effective Flight Simulation On WEB In Presence Of Effective Terrain Models	Anil Pinapati	
CI-6.2	A Novel Image Retrieval System Using Image Mining Techniques	D. Uma Vishweshwar A. Sarala Devi	
CI-6.3	Graph-based Knowledge Discovery and Association Rule Mining for Biological Imaging	S. Subhashini K. Sai Prasad	
CI-6.4	Applying Kerckoffs Security Principle on Robust Perceptual Hashing	K. Indira P. A. Hima Kiran M. Saroja	
CI-6.5	An Efficient Two- Phase SOM-based Clustering for Time - Sequential Satellite Image Analysis	Bhabani Shankar Das Mohapatra	
CI-6.6	An Approach for Simulating Ocean Water Dynamics	Moyeed Sultana M. Srinivasa Rao B. Suma C. Sirisha	
CI-6.7	Analysis of Dynamic Crosstalk Effect in CNT Bus Architecture	Brajesh Kumar Kaushik Manoj Kumar Majumder	

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## Contributed Papers INFORMATICS

Date: February 18, 2012; Time: 9.00 am to 1.00 pm

Session: **CI-7**

Keynote Speaker:

Session Chair:

Paper ID	Title Of the Papers	Authors	Remarks
CI-7.1	A Survey on Genetic Programming in Data mining Tasks	Venkatadri. M, Hanumat G. Sastry Lokanatha C. Reddy	
CI-7.2	A Novel Approach In Designing Random Number For Visual Cryptography I-Button Security Application	M. Venugopal E. G. Rajan Dr. Sharma	
CI-7.3	From Carbon-Nanotube to Polyphenylene based Molecular Computing Devices-An Analysis	Manas Ranjan Pradhan A. Mallaiah	
CI-7.4	An Approach for Online Histogram of Video	Y. Narasimha Rao V. Subrahmanyam I. Leela Priya Y. K. Viswanadham	
CI-7.5	BEMD based Image Fusion Technique for Impulse Noise Removal In Digital Images	Y. NaraSimhaRao K.DurgaGangaRao B. Saichandana	
CI-7.6	A Three Level Framework for Secured Cloud Computing	T. Sunil Kumar G. S. Ramesh M. Gangappa	
CI-7.7	Modeling The Effect Of Awareness And Screening On The Transmission Of HIV Infection	Mini Ghosh	

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## ICSCI-2012 Students Papers SYSTEMICS

Date: February 18, 2012; Time: 2.00 pm to 6.00 pm

Session: **SS-2**

Keynote Speaker:

Session Chair:

Paper ID	Title Of the Papers	Authors	Remarks
SS-2.1	Quasi-ZSource Single-Phase ACIAC Converter	M. Atchuta Ramarao K. Ratnaraju	
SS-2.2	Design And Implementation Of An Intellectual Agricultural System	M. Ravi Y. David Solomon Raju	
SS-2.3	Harmonic Reduction Using Hybrid Control System In A Series Active Filter(SAF):Single Phase System	Sreekanth Pratti K. Ratna Raju	
SS-2.4	Vector Control Of IM By Employing Converter Pulse Doubling Techniques Using Matlab/Simulink	Koppula Venkata Raja Sekhar K. Ratna Raju	
SS-2.5	Network Device Driver Implementation On Friendly ARM 9	G. Surendar Reddy Y. DavidSolomonRaju	
SS-2.6	Short Range Vehicular Radar Using Stepped-Fm Based UWB-IR	Karimulla Syed G. M. G. Madhuri	
SS-2.7	A New VLSI Architecture Of Parallel Multiplier–Accumulator Based On Radix-2 Modified Booth Algorithm	M. Srinivas G. Sravya	
SS-2.8	The Design of FIR Filter Base on Improved DA Algorithm and its FPGA Implementation	A. SomaSekhar G. Sravya Kukalakunta	

Note: All authors are requested to keep up to the given time and help session organizer complete the proceedings without any delay.

Session Organizer

Secretary, ICSCI-2012

Chair, ICSCI-2012

# ICSCI-2012

## Students Papers

### INFORMATICS

Date: February 18, 2012; Time: 2.00 pm to 6.00 pm

Session: **SI-2**  
 Keynote Speaker:  
 Session Chair:

Paper ID	Title of the Papers	Authors	Remarks
SI-2.1	Verification of Four Port Router for Network on Chip	Katta Satya G. Leenendra Chowdary K. Naga Surya Sampath	
SI-2.2	Improved VLSI Architecture of Parallel Multiplier Accumulator Based on Radix-2 Modified Booth Algorithm	H. S. Krishna Prasad Puttam P. Siva Durga Rao, T. J. V. Subrahmanyeswara Rao	
SI-2.3	LUT Optimization for Memory Based Computation	Devi Kalyani Rajulapati P. Siva Durga Rao T. J. V. Subrahmanyeswara Rao	
SI-2.4	GPS-GSM Integration for Enhancing Public Transportation Management Service Automation	Prasanthi Boyina R. Rama Vara Prasad	
SI-2.5	A Novel Low Cost Converter for Extended Torque Speed Characteristics of BLDC Motor	Suravarapu Bala Sai Abhinav Sri Giriraju Subramanya Sarat M. Hema Srivalli	
SI-2.6	Data Hiding in Motion Vectors of Compressed Video Based on their Associated Prediction Error	Susmitha Rayapudi Nagaraju Ravada	
SI-2.7	Intrusion Detection: An Energy Efficient Approach in Heterogeneous WSN	P. V. Rama Raju K. T. V. Subba Rao	
SI-2.8	The Contourlet Transform for Image Compression	Sugandhi Naidu Y Radha N	

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# ICSCI-2012

Date: February 18, 2012; Time: 4.00 pm to 6.00 pm

## Valedictory Function

Venue: Lecture Hall, Dr. MCR HRD Institute  
Road No. 25, Jubilee Hills, Hyderabad – 500 033

### Agenda:

1. 4.00 PM Invocation
2. 4.10 PM Inviting guests on to the dais
3. 4.20 PM Introduction of dignitaries on the dais
4. 4.40 PM Concluding Report by the Secretary, ICSCI-2012
5. 4.45 PM Honoring the Volunteers; Address by Volunteers
6. 5.30 PM Feedback from Participants
7. 6.00 AM Vote of thanks by Jt. Secretary, ICSCI-2012; Announcements

NB: The agenda may get modified in order to suit the convenience of the Chief Guest.