

## CNC 2010 FULL PAPER SCHEDULE

**Registration - 08.30 AM**  
**Inaugural Ceremony – 09:30 AM**  
**Photo Session 10:55 AM – 11 AM (Hall I)**  
**Tea Break – 11AM – 11:15 AM**

Date: 4 – Oct - 2010		Hall: I	Session: I	Time : 11:15 AM – 1:30 PM
<b>Chair 1: Dr. Janahanlal Stephen, (Dean, Mangalam College of Engg., Kottayam)</b>			<b>Chair 2: Dr. Vijaya Kumar, (Prof. NSS College of Engineering, Palakkad, India)</b>	
Paper ID	Paper Title			Registered Author(s)
12 F	Image Encryption Scheme with Binary Sequences derived from Random Sequence of Cyclic Elliptic Curve Points as key sequence			Sathyanarayana
53 F	On-Demand Resource Provisioning in Hybrid Cloud Environment			Krishna Kant
54 F	Image Compression using Lifting Wavelet Transform			Dinamani Singh
60 F	Attribute Selection for Network Intrusion Detection using SVM-RFE			V. Radha
64 F	Objective Evaluation of STSA based Speech Enhancement Techniques for Speech Communication Systems with Proposed Modifications			Jigar H. Shah, Nishant N. Parmar
67 F	Interval Type-2 Fuzzy Logic For Software Cost Estimation Using Takagi–Sugeno Fuzzy Controller			CH.V.M.K.Hari, M.Jagadeesh
90 F	A New Reliable Model for True Mobility in IPv6			Munish Kumar
96 F	Transceiver Structure for Tri State Integer Cycle Modulation			Sapta Girish Babu
102 F	Implementation of blind sequence detection for time varying channel in the Analysis of MIMO Capacity for spatial Channel model with partial CSI knowledge			Ravi Kumar
104 F	Persistent Watermarking of Relational Databases			Raju Halder
108 F	An Effective Intelligent Pre Processing System of Web Log data adaptable to Incremental Mining			V.V.R. Maheswara Rao
110 F	Design and Implementation of an Asynchronous Logic Circuit using HDL			Nisha Thomas
116 F	An Approach to Detect Point-on-Wave Initiation of Voltage Sag Using Discrete Wavelet Transform			N. N. Jangle

Lunch Break 1:30 PM to 2:30 PM

Date: 4 – Oct - 2010		Hall: I	Session: II A	Time : 2:30 PM – 3:45PM
<b>Chair 1: Prof. Rio D'Souza G. L, (Dean, St Joseph Engineering College, Mangalore, India)</b>			<b>Chair 2: Prof. Tummala Ranga Babu, (RVR &amp; JC College of Engg, AP, India)</b>	
Paper ID	Paper Title			Registered Author(s)
138 F	Eliptic Curve Cryptography Based Mining of Privacy Preserving Association Rules in Unsecured Distributed Environment			Udai Pratap Rao
122 F	A Reliable Bandwidth Delay Product Based Multicast Routing Scheme in MANET			Rajashekhar Biradar

124 F	ANAV Timer for Detecting MAC Layer Misbehavior in MANET	R. Kalaiarasi
130 F	A Proactive Evacuation System Using Wireless Sensor Networks	Amal B
133 F	Min Cost Bipartite Matching based Heuristic for Resource Selection in Grid	Thamarai Selvi Somasundaram
136 F	A Planar Microstrip-Line Fed Elliptical Crescent Patch UWB 5.2 GHz/5.8 GHz Notch Antenna With U-Shaped Slot	Jyoti R. Panda
142 F	Inverted Path List for Indexing XML Data	Ganga Rani.R
189 F	Image Compression Using Discrete Tchebichef Transform Algorithm	Ranjan K. Senapati

Tea Break 3:45 to 4:00

<b>Date:</b> 4 – Oct - 2010		<b>Hall:</b> I	<b>Session:</b> II B	<b>Time :</b> 4:00 PM – 5:00 PM
<b>Chair 1: Prof. Rio D'Souza G. L, (Dean, St Joseph Engineering College, Mangalore, India)</b>		<b>Chair 2: Prof. Tummala Ranga Babu, (RVR &amp; JC College of Engg, AP, India)</b>		
<b>Paper ID</b>	<b>Paper Title</b>		<b>Registered Author(s)</b>	
196 F	Variable Length Cumulative Key Size and Seed Based Symmetric Key Cryptographic Algorithm Using Composite 3-D Transposition Substitution and Chaining Technique		Sandip Chatterjee	
205 F	Fast Intra Prediction Algorithm In The Transform Domain For H.264/AVC		Amrita Ganguly	
210 F	Optimization Of Hierarchical Routing Protocol For Wireless Sensor Networks With Identical Clustering		Shailesh Panchal	
227 F	Optimal Design Of Micostrip Antenna Using PSO		Divya Goel	
241 F	A Heuristic For Dynamic Traffic Grooming In WDM Optical Mesh Networks		Inadyuti Dutt, Soumya Paul	
553 F	C4.5 based Sequential Attack Detection and Identification Model		Anjali Sardana	

<b>Date:</b> 5 – Oct - 2010		<b>Hall:</b> I	<b>Session:</b> V A	<b>Time :</b> 9:30 AM – 10:30 AM
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>		<b>Chair 2: Dr.N. Radhika, (Prof. Amrita School of Engg., Coimbatore, India)</b>		
<b>Paper ID</b>	<b>Paper Title</b>		<b>Registered Author(s)</b>	
245 F	A Collaborative Trust Enhanced Security Model For Distributed System Services		Aruna Kumari	
552 F	Integer/Floating Point Reconfigurable ALU – An Efficient Implementation		S. Shameer	
174 F	A Combined Technique to Improve Fairness in HCCA Scheduler for 802.11e Wireless LANs		Shaik Madhar Saheb	
77 192 F	Zero-knowledge Software Watermarking for C Programs		Sukriti Bhattacharya	

## CNC 2010 SHORT PAPER SCHEDULE

<b>Date:</b> 4 – Oct - 2010		<b>Hall:</b> II	<b>Session:</b> III	<b>Time :</b> 11:15 AM – 1:30 PM
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>		<b>Chair 2: Dr.N. Radhika, (Prof. Amrita School of Engg., Coimbatore, India)</b>		
<b>Paper ID</b>	<b>Paper Title</b>		<b>Registered Author(s)</b>	
16 S	Extraction of Collocations from a Text Corpus: A Fuzzy Measure		B. Das	
25 S	Saving the Bandwidth in Analog Modulation Schemes using Linear Canonical Transforms		K.K. Sharma	
47 S	LPC-Cepstrum Corpus of Assamese Numerals for Speech Recognition Using Recurrent Neural Network		Mousmita Sarma	
51 S	Investigating Identity Based Cryptography in Wireless Sensor Networks		Bhumika Patel	
65 S	Statistical Data Stability and Leakage Evaluation of SRAM Cell in Sub-45nm Technology		Aminul Islam	
74 S	A New BiCMOS Constant Current Source		Raghuveer.M	
76 S	A Scheme for Script Identification of Printed Punjabi Words and English Numerals		Rajneesh Rani	
83 S	Amplitude Demodulation and Spectrum Analysis of Noise in MOS Gas Sensor Based Electronic Nose		N.Dutta	
89 S	An OCR-Character Segmentation Using Routing based Reach Algorithm.		Muralikrishna.M	
106 S	An Improved Dynamic Call Scheduling Technique Using Priority Trees For Mobile Networks		P.K. Guha Thakurta	
112 S	Performance Measure of Image Processing Algorithms on DSP Processor & FPGA based Coprocessor		Pranav Tank	
113 S	A Fuzzy Rule Based Interactive Agent to Enhance Learning Will of a Self Paced Learner		S. Bhattacharya, P. Basu	
137 S	Conditional Combining With Generalized Switch Diversity		Bhumika Malik	
144 S	Deriving Association between Personality Traits and Programming Skills		S. Charles	
159 S	Decentralized Self- Tuning Fuzzy -PI Controllers for Heater - Mixer Setup		M.Chakkarapani	
166 S	Electricity Short term Load Forecasting using Feed Forward Neural Network		Zeel M, Nagaratna S,	
224 S	A High Level Service Oriented Architectural Design For Building Intrusion Detection Systems		K.V.S.N.Rama Rao	

Lunch Break 1:30 PM to 2:30 PM

<b>Date:</b> 4 – Oct - 2010		<b>Hall:</b> II	<b>Session:</b> IV A	<b>Time :</b> 2:30 PM – 3:45 PM
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>		<b>Chair 2: Prof. K.V.S.N. Rama Rao, (Vignan Institute of Technology and Science, Hyderabad, India)</b>		
<b>Paper ID</b>	<b>Paper Title</b>		<b>Registered Author(s)</b>	
176 S	Digital Watermarking Using Multi Resoultion Statistical		P.M.Dinesh	

	and Markov Random Field Matrix (MRSMRFM)	
206 S	A New Approach For Testing The Analog Cmos Circuits Against Faults Due To Glitches	Mr. Amit Saxen
209 S	Using Generalized Regression Neural Network(GRNN) for Microwave Device Modeling	Vipul Sharma
222 S	Network-Based Intrusion Detection In Eucalyptus Private Cloud	Avi Patel
239 S	Distributed Spanning Trees For Effective Replica Management	M S Saleem Basha
261 S	Content Based Retrieval Of MRI Images Using Integration Of Color, Texture & Shape Features	G.R Sinha
264 S	Fault Prediction Using K-Canberra Means Clustering	Arashdeep Kaur
502 S	Analysis and Simulation of Pseudo Ranging Noise codes for IRNSS Satellites	P.N.Ravichandran
218 S	Database Intrusion Detection Approach To Enhance Database Security System	Udai Pratap Rao

Tea Break 3:45 to 4:00

<b>Date:</b> 4 – Oct - 2010		<b>Hall:</b> II	<b>Session:</b> IV B	<b>Time :</b> 4:00 PM – 5:00 PM
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>		<b>Chair 2: Prof. K.V.S.N. Rama Rao, (Vignan Institute of Technology and Science, Hydrabad, India)</b>		
<b>Paper ID</b>	<b>Paper Title</b>	<b>Registered Author(s)</b>		
503 S	Fast Variable Size Block Motion Estimation Algorithm for H.264/AVC System	S. Kalita		
539 S	An Efficient Public Key Algorithm for Network Security Using Cellular Automata	K.R.Das		
542 S	Effect Of Material Parameters On Shielding Parameters Of A Three Layered Laminate Electromagnetic Shield At X-Band	C Dharma raj		
547 S	Graph Partitioning for a Network of Heterogeneous Workstations	Janhavi B		
548 S	A Novel Dynamic Context Aware Middleware for Efficient Service Delivery in Heterogeneous Mobile Environments	Dr.N. Radhika		
577 S	A Multicast Routing Protocol for MANETs Based on Node Stability	Kamal Kant		
177 S	Multi Resolution Adaptive Video streaming using Scalable Video Coding	Dr.R.S.Sabeenian		
81 P	“MATLAB approach for “BackPropogation” Neural Network Perception”	Praveen Kumar Malik		
256 P	Performance Measurement Of Various Modulation Formats For 10Gbps Long Haul WDM System	Subadra M		

## CNC 2010 POSTER PAPER SCHEDULE

<b>Date:</b> 5 – Oct - 2010			<b>Hall:</b> I			<b>Session:</b> V B			<b>Time :</b> 10:30 AM – 11:00 AM			
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>						<b>Chair 2: Dr. N. Radhika, (Prof. Amrita School of Engg., Coimbatore, India)</b>						
<b>Paper ID</b>	<b>Paper Title</b>						<b>Registered Author(s)</b>					
5 P	“On Distributed Database Systems”						Mr.S.S.Sayyad					
17 P	A Generalized Architecture for Linear Transform						Atri Sanyal					
18 P	Segmentation of Unconstrained Online Bangla Handwritten Word by Extracting Basic Features						Rajib Ghosh					
36 P	JPEG Compressed Image Transmission using Unequal Power Allocation (UPA) over MIMO-OFDM Systems						V.Senthil Kumar, Pravin Kumar, Siddharth B					

Tea Break 11:00 to 11:15

<b>Date:</b> 5 – Oct - 2010			<b>Hall:</b> I			<b>Session:</b> V C			<b>Time :</b> 11:15 PM – 1:30 PM			
<b>Chair 1: Dr. Gylson Thomas, (MES College of Engg., Kerala, India)</b>						<b>Chair 2: Dr.N. Radhika, (Prof. Amrita School of Engg., Coimbatore, India)</b>						
<b>Paper ID</b>	<b>Paper Title</b>						<b>Registered Author(s)</b>					
49 P	Function approximation using adaptive linguistic fuzzy neural network						Amit Mishra					
55 P	Automated Wireless Home Security System by Insetting of Camera Picture in DTH/Cable Signal Using Picture-in-Picture Technology						Santhosh R.P, Shankar R					
62 P	A Remote Voting System with 2-D Face Recognition and Cryptography						E. S. Shameem Sulthana					
68 P	Performance Comparison of Orthogonal Pilot ML Estimator and Rotation Optimization ML Estimator for Semi-Blind MIMO Channel Estimation.						Dharmendra Chauhan					
72 P	Barcode Watermarking For Medical Images For Robust Watermark Detection						Sunita V. Dhavale					
77 P	CMOS-LTE Comparator in Flash Analog to Digital Converter Design						Meghana Kulkarni					
82 P	Simulation of Secure Dynamic Load Routing Load-Aware Protocol						Rashmi Singh					
98 P	Survey on Role of Scalable OFDM for VoIP in Mobile WiMAX						Mr. Wankhede Vishal A					
99 P	A Framework for Optimizing the Availability of Composite Web Service						N.Sasikaladevi					
100 P	Reliable and Energy Efficient Gossip Routing Protocol For Mobile Adhoc Networks						S.Rajeswari					
107 P	Implementation and Security analysis of a CallerId augmented 2FA setup for Secure Web-mail access						Tomar S.S					
111 P	Implementation & Performance Analysis Of CELP Based GSM AMR Codec Using MATLAB						Ninad Bhatt, Vijayendra A Desai					
125 P	Congestion based defense scheme to mitigate DDOS attacks in MANET						S.A.Arunmozhi					

167 P	Prevention of BufferOverflow attacks using Advanced StackGuard	P.D.Kumar Varma
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Lunch Break 1:30 PM to 2:30 PM  
Closing Ceremony 2:30 PM – 3:30 PM

<b>Date:</b> 5 – Oct - 2010			<b>Hall:</b> II			<b>Session:</b> VI A			<b>Time :</b> 9:30 AM – 11:00 AM			
<b>Chair 1: Dr. Janahanlal Stephen, (Dean, Mangalam College of Engg., Kottayam)</b>						<b>Chair 2: Subadra M, (A C College of Engg. &amp; Technology, Karaikudi, India)</b>						
<b>Paper ID</b>	<b>Paper Title</b>						<b>Registered Author(s)</b>					
190 P	Evolution of Contextual queries using Shuffled Frog Leaping Algorithm						Shikha Mehta					
220 P	Mnemonics As Predictor For Malware Analysis						Vinod P					
223 P	A Novel Design Of Asynchronous Controller For Toxic Gas Sensor Array						Rajesh Kumar					
226 P	A Multiobjective Neural-Genetic Hybrid Algorithm For Classification Based On Microarray Data						Rio G. L. D'Souza					
228 P	Single Key Omni Directional Pointing And Command System (SKOPS)-An Intelligent On Screen Navigational Tool And Special Access MechanismFor Physically Disabled Persons.						Suman Deb					
243 P	Touching Syllable Segmentation Using Split Profile Algorithm						T.Ranga Babu					
253 P	Performance Comparison Of Intelligent Jamming In RF (Physical) LAYER With WLAN Ethernet Router And WLAN Ethernet Bridge						Rakesh Kumar Jha					
257 P	Key Security Issues And Technical Challenges For Secure Health Monitoring Wireless Sensor Networks						Aakash Nigam					
271 P	Performance Analysis Of OFDMA With CDMA Technique						T.Velmurugan					

Tea Break 11:00 to 11:15

<b>Date:</b> 5 – Oct - 2010			<b>Hall:</b> II			<b>Session:</b> VI B			<b>Time :</b> 11:15 PM – 1:30 PM			
<b>Chair 1: Dr. Janahanlal Stephen, (Dean, Mangalam College of Engg., Kottayam)</b>						<b>Chair 2: Subadra M, (A C College of Engg. &amp; Technology, Karaikudi, India)</b>						
<b>Paper ID</b>	<b>Paper Title</b>						<b>Registered Author(s)</b>					
541 P	Improved Reliability Prediction and Enhancement of Electronic Power Conditioner in Communication Satellite						M. Sivanandam					
550 P	Printed microstrip antenna with partial Ground structure for 60 GHz applications.						G Shikanth Reddy					
559 P	Gaussian Beam Propagation Characteristics through the Developed GRIN Element						Md A Sekh					
564 P	A Novel Approach For Efficient Bidirectional Wireless Capsule Endoscopy System Using Automatic Repeat Query (Arq).						Rauful Azam, Sk. Faruk Azam					
574 P	RSTDB a new Candidate Generation and Test Algorithm for Frequent Pattern Mining						Vaibhav Kant Singh					

575 P	Implementation of a Low-power, Reliable, Crosstalk Avoidance Coding Scheme for SoC Communication	Anitta Thomas, Jagadeesh Kuamr P
576 P	Custom Processor Implementation Of A Forward Error Correction Scheme For Low Power Rf Communications	Reenu Aliyamma Cherian
579 P	Dynamic selection of wireless systems with reconfigurable Software Defined Radio in Multihomed Mobile Hosts	Preetida Jani
589 P	Extracting Hindi Multiword Expressions using A Rule Based Tool	Zameer Fatima
592 P	Low Cost System for Lever Tumbler Locks Manufacturing using Image Processing	Amey Pandit
151 P	An Embedded Hands Free Computing Application Using Speech Recognition	Simi Zerine Sleeba
169 P	A Location-Based Encryption Technique for Wireless Sensor Networks in non-flat Terrains	Reza Aminzadeh
181 P	Integrating Inertial Sensors to Video Cameras to Minimize the Number of Variables in Incremental Bundle Adjustment	Natesh Srinivasan
141 P	Self Charging Techniques for Cellular Phone	T Karthick

Lunch Break 1:30 PM to 2:30 PM  
Closing Ceremony 2:30 PM – 3:30 PM