



22 April, 2011, 2:00 p.m. to 3:30 p.m.

Wireless Signal Processing

Technical Session 1

Session Chair/Invited Speaker: Dr. R. R. Joshi

1. Richa Gaur, Deepak Gaur and Sachin Kumar, Eradication of Funnelling Effect in Wireless Communication Using TDMA Based MAC.
2. Lalchandra Patidar, Ashish Parikh and Ashish Joshi, Effects of High Power Amplifier and Channel Noise on Orthogonal Frequency Division Multiplexed Signal.
3. Vandana Patel and Pankaj Shukla, Faster Methods for GPS Signal Acquisition in Frequency Domain.
4. Rajeev Mathur and Sunil Joshi, A Novel Multiple Element Patch Antenna for Wireless MIMO Beamforming & Wimax Applications.
5. Deepika Agarwal, Nagendra Babu and B.Kaushik Kumar, Reduction of Crosstalk in RC Modeled Interconnects with Low Power Encoder.
6. Chhavi Sharma, Pankaj Sharma, S.K. Tamar and A.K. Gupta, A Modified Iterative Amplitude Clipping and Filtering Technique for PAPR Reduction In OFDM Systems.
7. Bidyut Bikash Baruah and Kandarpa Kumar Sarma, Equalization in Faded Wireless Channels Using ANN and Coding.

VLSI & Embedded System

Technical Session 2

Session Chair/Invited Speaker: Dr. M. K. Jain

1. K.G. Verma, Brajesh Kumar Kaushik and Raghuvir Singh, Monte Carlo Analysis of Propagation Delay Due to Process Induced Line Parasitic Variations in VLSI Interconnects.
2. Bhumika Patpatia, Neha Arora, B.P Singh, Kavita Mehta and Neelam Swami, An Adiabatic Single Phase N-Type And P-Type CPAL Technique for Full Adder Design.
3. Rachit Patel, Nitin Agarwal and Ankit Agarwal, Reduction of Power Consumption by Using Demultiplexer Circuitry in ALU Designing.
4. Neelam Swami, Neha Arora, B.P. Singh, Kavita Mehta and Bhumika Patpatia, Low Power High Speed CMOS Circuit Design.
5. K.G. Verma, Brajesh Kumar Kaushik and Raghuvir Singh, Propagation Delay Deviations Due to Process Tempted Driver Width Variations.
6. Shwetank Singh and Shailendra Badwaik, Design and Implementation of FPGA Based Adaptive Dynamic-Traffic Light Controller.
7. Manoj Kumar Majumder, Brajesh Kumar Kaushik and Sanjeev Manhas, Performance Comparison Between Single Wall Carbon Nanotube Bundle and Multiwall Carbon Nanotube for Global Interconnects.

Security Systems

Technical Session 3

Session Chair/Invited Speaker: Dr. K. Venugopalan

1. Rochak Gupta, K. Vinay Kumar and Radhesh Mohandas, Spam Control by Source Throttling Using Integer Factorization.
2. Sutanu Maiti and Mahendra Singh, A Noble Reversible Data Embedding Method for Source Authentication and Tamper Detection of H.264/Avc Video.
3. Shivaraj Shetty and Saumya Hegde, Robust Two-Way Locking Protocol for Key Exchange.
4. Riktaben Gohil and Mary Grace Shaja, 128 Bit AES Implementation for Secured Wireless.
5. Deepak Kumar and Shailendra Singh, Secret Data Writing Using DNA Sequences.
6. Abhishek Datta Roy, Vikas Srivastava, Alok Kumar Keshri, Vijay Kumar Chaurasiya and Rahul Gupta, Advanced Port Knocking Authentication Scheme with QRC Using AES.
7. Anshul Kesarwani, Vishnu Gupta, Rahul Gupta, Vijay Chaurasiya, Manas Tripathi and Chandani Gupta, Implementation of Chinese Wall Model in Cloud Computing for Enhanced Security.
8. Rajesh Purohit and K.R. Chowdhary, Evaluation of Security System Based on Failure-Risk Exposure.
9. Amit Joshi and Bhavesh Joshi, A Randomized Approach for Cryptography.



22 April, 2011, 3:45 p.m. to 5:00 p.m.

Wireless Transmission Media

Technical Session 1: Session Chair/Invited Speaker: Dr. Satish Babu

1. *Amritakar Mandal, Brajesh Kumar Kaushik and Brijesh Kumar*, LMS Algorithm Based Error Correction Technique in In-Phase And Quadrature Channel Signal Processing.
2. *Chitra Singh and R.P.S. Gangwar*, Design and Analysis of a Compact Low Cost Patch Antenna for Different Wireless Operations.
3. *Gautam Marwaha, Varun Sharma and Sunil Agrawal*, Woofer Design for Optimal Sound Output.
4. *Jeevanjyot Kaur and Neeraj Sharma*, Effects of Amplified Spontaneous Emission (ASE) on NRZ, RZ And CSZR Modulation Formats in Single Channel Light-Wave System.
5. *Aradhana Misra and Kandarpa Kumar Sarma*, ANN Assisted Turbo Coding for use with OFDM Signals In Wireless Channels.
6. *Ajmer Singh and Nikesh Bajaj*, Analysis of Signals in Fractional Fourier Domain.

Algorithm Analysis

Technical Session 2: Session Chair/Invited Speaker: Mr. Anil Shrivastava

1. *Kshiti Pathak, Aruna Tiwari and Narendra S. Chaudhari*, A Reduction of 3-Sat Problem from Optimal Sanitization in Association Rule Hiding.
2. *Jaya Thomas and Narendra S Chaudhari*, Polynomial Solvability of Satisfiability and its Implication to Hybrid Cryptosystem Security.
3. *Prakash C. Sharma and Narendra S. Chaudhari*, A Graph Coloring Approach for Channel Assignment in Cellular Network via Propositional Satisfiability.
4. *Nikesh Bajaj*, Enhancement of A5/1 Using Variable Feedback Polynomials of LFSR.
5. *Sonal Sharma and Kusum Gupta*, Solving The Traveling Salesmen Problem Through Genetic Algorithm with New Variation Order Crossover.
6. *Shweta Yewale and Pankaj Bharne*, Hand Gesture Recognition Using Different Algorithms Based on Artificial Neural Network.
7. *Balraj Singh, Shashi Kala Nagarkoti and B.K Kaushik*, A Modified Algorithm for Maternal Heart Rate Detection Using RR Interval.

23 April, 2011, 9:45 p.m. to 11:15 p.m.

Signaling Path Way

Technical Session 1: Session Chair/Invited Speaker: Dr. T.S. Kamal

1. *Chirag Raval and Saumya Hegde*, Ant-CAMP : Ant Based Congestion Adaptive Multipath Routing Protocol for Wireless Networks.
2. *Islavath Balakrishna, M.Suresh Kumar and S.Raghavan*, Cpw-Fed Semi Circle Patch Antenna for 2.4GHz Wlan Application.
3. *Rashmi Patil, Amrit Mukherjee and A.B. Nandgaonkar*, Design of Broadband Two Layer Stacked Microstrip Antenna with a Folded Plate Pair For Millitary Band Applications.
4. *Vaibhav Tarange, Tushar Gite, Piyush Musale and Sanjay Khobragade*, A U Slotted H-Shaped Microstrip Antenna with Capacitive Feed for Broadband Application.
5. *Pavan Paikrao, Deepaxmi Shinde and V.V Ingale*, Peak Detection Algorithm for ECG Wave.
6. *Ranjan Bala Jain*, An Analytical Model for Reverse Link Outage Probability In OFDMA Wireless System.

Emerging Trends in Networks

Technical Session 2: Session Chair/Invited Speaker: Dr. S.K. Sharma

1. *Kanika Lakhani and Himani Bathla*, A Power Efficient Technique to Avoid Packet Loss in MANET.
2. *Kuldeep Singh and Sunil Agrawal*, Comparative Analysis of Five Machine Learning Algorithms for IP Traffic Classification
3. *Ravi Shukla and Neeraj Tyagi*, Performance Evaluation of Mobility Model and Routing Protocols for Inter Vehicular Communication System.
4. *Tushar Raval and Jagdish Shah*, Network Density Based Analysis of Geographic Routing Protocol for Random Mobility of Nodes In MANET.
5. *Tushar Raval and Jagdish Shah*, Consistency of Geographic Routing Protocol for High Density MANET.
6. *Vinod Kadam*, Example of Enhanced Implementation of Routing Protocols to Handle Internetworking Protocol Version 6.
7. *Dinesh Kumar Saini and Raj Kumar Somani*, Malicious Objects Propagation Dynamics in the Network.



International Conference ETNCC2011

23 April,2011,11:30 p.m. to 1:00 p.m.

Multimedia Networking Systems

Technical Session 1

Session Chair/Invited Speaker: Dr. P.N. Gosawami

- 1.Lakshmi Kanaka Venkateswarlu Revada, Yasantha Kumari Rambatla and Koti Veera Nagayya Ande, Novel Approach for Speech Recognition by Using Self – Organized Maps.
2. Manju Mandot, 3D Objects Retrieval Using Silhouette Feature Vector Method.
3. Pranshu Saxena and Hari Singh Choudhary, Quantative Analysis of Histopathological Image.
4. Hitesh Panchal, Upesh Patel and Pradij Panchal, Digital Watermarking on Extracted Key Frames from Uncompressed Color Video Using 4-Level DWT.
5. Aditya Kumar and Pardeep Singh, An Image Compression Algorithm for Gray Scale Image.
6. Achintya Singhal, Anurag Narayan Chaubey and Chandra Prakash, Audio Watermarking Using Combination of Multilevel Wavelet Decomposition, DCT And SVT.
7. Aakanksha Aggarwal and Himanshu Setia, Ear as a Platform for Latest Biometric Solution.
8. Sanjay Shah, Chintan Modi and Manisha Patel, Novel Approach for Text Extraction from Natural Images Using ISEF Edge Detection.
9. Mahboob Alam and Raviraj Choudhary, Colored Image Security with Different Phase Masks Based in Fractional Fourier Transform Domains and Compare Mean Square Error (MSE).
10. Navneet Agrawal and K. Venugopalan, Speckle Reduction in Remote Sensing Images.

Uncovering Future Network Trends

Technical Session 2

Session Chair/Invited Speaker: Dr. N. S. Chaudhari

1. Sanjay Kumar Soni, K. Vasudevan, Puspaj Singh Chauhan and Yashu Shanker, Turbo Decoding in ISI Channels.
2. Saurabh Chamotra, Raj Kamal, Dr. Ashwani Ramani and Js Bhatia, Deployment of a Low Interaction Honeypot in an Organizational Private Network.
3. Karamvir Kaur and Inderdeep Kaur Aulakh, Power Aware Metrics and Routing Techniques in MANETs.
4. Esha Kumar, S.P Ghrera and Shivanka Chugh, Performance Analysis of RED with Different TCP Congestion Control Mechanism.
5. Dimple Jayaswal, Amit Upadhyaya and Suraj Yadav, Botnet a New Network Terminology.
6. Amit Sanghi, Rakesh Poonia and Dharm Singh, Simulation Performance of Manet Routing Protocol DSR with Different Mobile Nodes.

23 April,2011,2:00 p.m. to 3 :00 p.m.

Design and analysis of Algorithm

Technical Session 1

Session Chair/Invited Speaker: Dr. V. Laxmi

1. Sanjay Soni, Ashwini Bhardwaj, Santanu Goswami and Yashu Shanker, Novel Approach to Predict Path Loss in Hilly Terrain Scenario.
2. Nita Maheta and Prakash Gajjar, Learning Based Image Super-Resolution Using Contour Stencils as Edge Model.
3. Dharm Singh, Chirag Thaker and Sanjay Shah, Quality of State Improvisation Through Evaluation Function Optimization in Genetic Application Learning.
4. Thaker Chirag S, Singh Dharm and Sanjay Shah, Performance Improvement In Game Playing Using Evolutionary Computation By Large Search Space Exploration.
5. Sanjay Shah, Dharm Singh and Chirag Thaker, Multimedia Based Fitness Function Optimization Through Evolutionary Game Learning.



International Conference ETNCC2011

23 April, 2011, 2:00 p.m. to 3:00 p.m.

Data Mining & Web Technology

Technical Session 2:: Session Chair/Invited Speaker: : Dr. M. S. Guar

1. *Anuradha Yadav*, Analysis of Web Usage Mining Techniques to Enhance the Capabilities of E- Learning Environment.
2. *Rajkumar Jain and Narendra S. Chaudhari*, Identification & Generation of Constraints in Social Network.
3. *Rohit Nagori and G Aghila*, LDA Based Integrated Document Recommendation Model for E-Learning Systems
4. *Hema Dubey and B. N Roy*, Recursive Data Mining Strategy Using Close-Degree of Concept Lattice for Knowledge Discovery Process with Granularity.
5. *Kr Chowdhary and Vs Bansal*, Information Retrieval Using Probability and Belief Theory.

23 April, 2011, 3:00 p.m. to 4:00 p.m.

Pervasive Computing

Technical Session 3

Session Chair/Invited Speaker: Session Chair/Invited Speaker: : Dr. V. R. Singh

1. *Achintya Singhal, Umesh Chaudhary and Chandrika Prasad*, Bonded Architecture Of Pervasive Computing Devices.
2. *Manjat Bhatia and M.P.S Bhatia*, Resource Requirement Prioritized Grid Scheduling Model.
3. *Ashutosh Kumar Dubey*, Novel Sensitive Information Preserving Mining (SIPM) Algorithm for Association Rule Mining in Centralized Database.
4. *Rohit Parmar, Kavindra Jain and Chintan Modi*, Image Morphological Operation Based Quality Analysis of Coriander Seed (*Coriandrum Satavum L.*)
5. *P.K. Agrawal, and Satbir Jain*, Impressive E-Learning Based on Web Usage Mining.
6. *Shafik Ahmad*, Smart Metering and Home Automation Solutions for the Next Decade (Mar 2011).

Vehicular Networks / e-agriculture / e-application / Robotics

Technical Session 4:: Session Chair/Invited Speaker: : Dr. V.K. Srivastava

1. *Patel Ankit R., D R Mehta and Mrinmoy Basu Haldar*, Variational Analysis Approach in Robotics Paradigm.
2. *Piyush Kapoor, Pavan Chakraborty, G.C. Nandi and Krishna Kumar Sharma*, Mobile Robot Localization Using Single Camera Vision for Automated Test Bed by Using DWT and HSI Color Model.
3. *Dharmendra Sutariya and Shrikant Pradhan*, Evaluation of Routing Protocols for Vanets in City Scenarios.
4. *Ganesh Chandra Deka and Malaya Dutta Borah*, Role of E-Agriculture in Rural Development In Indian Context.
5. *Anirban Das, Subir Gupta, Mauparna Nandan and Priyabrata Bandyopadhyay*, A Study to Identify Poverty as a Key Factor to Less Enrollments in Higher Education in West Bengal: E-Learning and E-Monitoring as Best way out to Increase GER.
6. *Sasikumar C, Rohit Agrawal, Saurabh Gupta, Saurabh Gupta and Ravi Maheshwari*, Built in Self-Test for Fault Tolerant Real Time In-Vehicle Networks through Automotive Diagnostics.

24 April, 2011, 9:00 p.m. to 10:30 p.m.

Network on Chip

Technical Session 1:: Session Chair/Invited Speaker: : Dr. Naveen Choudhary

1. *Binod Nag and Nibedita Adhikari*, On Topological Properties of a Star Based Large Scale Parallel System.
2. *Mohammad Ayoub Khan and Abdul Quaiyum Ansari Ansari*, Quadrant-Based XYZ Dimension Order Routing Algorithm for 3-D Asymmetric Torus Routing Chip (ATRC).
3. *Mohammad Ayoub Khan and Abdul Quaiyum Ansari Ansari*, Low-Power Architecture of Dtdma Receiver And Transmitter for Hybrid Soc Interconnect.
4. *Nibedita Adhikari, Kalpataru Sethi and Ashish Kumar Mohanta*, Metastar: A Massive Large Scale Parallel Interconnection Network.
5. *N. S. V. Krishna Chaitanya Chaitanya, Anoop Radhakrishnan, G. Rakesh Reddy and Sabarimalai Manikandan M.*, A Simple and Robust QRS Detection Algorithm For Wireless Medical Body Area Networks.
6. *Naveen Choudhary, M. S. Gaur and V. Laxmi*, Irregular Noc Simulation Framework: Inirngam.
7. *Gitanjali Sachdeva, Henry Kasim and Simon See*, Infiniband Network Simulation and Performance Evaluation on Non-Blocking Fully Populated Fat-Tree Topology.



24 April, 2011, 9:00 p.m. to 10:30 p.m.

Mobile, Adhoc and Sensor Networks

Technical Session 2: Session Chair/Invited Speaker: : Dr. Harish Kumar

1. *Sourabh Jain, Praveen Kaushik and Jyoti Singhai*, Review of Energy Efficient Routing Algorithm as LPP In Wireless Sensor Network.
2. *Dinesh Shirsath, Swati Sankpal and Samish Kamble*, Performance Evaluation of Optimized Medium Access Control for Wireless Sensor Network.
3. *Virendra Choudhary and K.R Chowdhary*, Probabilistic Approach for Wireless Sensor Networks.
4. *Raju Barskar and Rajesh Wadhvani*, A New Approach of Cooperation in Mobile Ad Hoc Networks.
5. *Rahul Raghuvanshi, Rekha Kaushik and Jyoti Singhai*, A Review of Misbehavior Detection and Avoidance Scheme in Ad Hoc Network.
6. *Sachin Sharma, Gaurav Chitranshi, Basanta Mahato, Atul Kumar Srivastava and Balvinder Pal Singh*, Control Of Home-Appliances Through IR Interface Using Web (GPRS) Enabled Mobile Phones.
7. *Preethi Suri*, Energy Efficient Routing Protocol For Mobile Adhoc Networks.
8. *Sumitra Menaria, Sharada Valiveti and Ketan Kotecha*, Attack Generating & Its Implication On Ad Hoc Networks.
9. *Balasundaram S R and Saravanan A.*, Methodologies For handling 'Destination Unknown' Range Queries During Mobility.
10. *Vijay Singh Rathore*. Implementing Key Management for Security in Ad Hoc Network.

24 April, 2011, 10:45 p.m. to 1:00 p.m.

Wireless Networks

Technical Session 1: Session Chair/Invited Speaker: : Dr. Sunil Joshi

1. *Swati Sankpal and Vishram Bapat*, Performance Evaluation of New Proposed Medium Access Control Algorithm For Solar Powered Structural Health Monitoring Wireless Sensor Network.
2. *Vaidehi Panwala and Saumya Hegde*, Amul: Adaptive Multicast Routing Protocol for Multi-Hop Wireless Networks.
3. *Mukesh Chandra, Neeraj Kumar, Rahul Gupta, Sunil Kumar, Vijay K. Chaurasiya and Vivek Srivastav*. Protection from Paging and Signaling Attack In 3G CDMA Networks.
4. *Megha Kamble and Roopam Gupta*, A New Framework for Call Admission Control in Wireless Cellular Network
5. *Ashkan Zehni, Wahid Tabataba Yakily and Mohammad Ali Pourmina*, Position Estimation Based on AMC-OFDM-Beamforming in IEEE 802.16 E.
6. *Dharm Singh, Heena Rathore and Chih-heng Ke*, Dynamic Adaptive Cross layer Mapping Mechanism for Video.
7. *Raveenpal Kaur Raveenpal Kaur and Gurpal Singh Gurpal Singh*, Game Theoretic Approach to Routing In 802.11 Based Wireless Mesh Networks.
8. *Manjot Bhatia et al.*, Resource Requirement Prioritized Grid Scheduling.

Security Effectiveness

Technical Session 2: Session Chair/Invited Speaker: : Dr. K. R. Choudhary

1. *Abhishek Gupta, Sandeep Mahapatra and Karanveer Singh*, Data Hiding in Color Image Using Cryptography With Help of ASK Algorithm.
2. *Swati Chaudhari, S. S. Tamar and Anil Rawat*, Design, Implementation and Analysis of Multi Layer, Multi Factor Authentication (MFA) Setup for Webmail Access In Multi Trust Networks.
3. *Shiv Shakti Srivastava and Nitin Gupta*, Optimization and Analysis of the Extended Playfair Cipher.
4. *Amit Doegar, Amandeep Jindal and Dharm Singh*, Sniffers Detection Techniques Using ARP and RTT Methods.
5. *Aradhana Majithia and Inderveer Chana*, Implementing Trust Policies for Cloud: A Case Study.
6. *Saurabh Chamotra, Raj Kamal, Rakesh Sehgal and J.S Bhatia*, Data Diversity of a Distributed HoneyNet Based Malware Collection System.
7. *Hardik Nadiyana and Vijaya Bhute*. Retrieving Password through SEESMS System.