

## Presentation Session I

**Date:** 16 April 2011

**Time:** 16:45-17:30

**Venue:**IL-202, School of ICT

**Track:** General Session

**Invited Talk:** Dr. Rajesh Mishra

**Topic:** Sensor Cloud

**Session Chair:** Prof. Sanjay Jasola

**Session Co – Chair:** Dr.Rajesh Mishra

**Student Coordinator:** Anubha Maurya

1. **On the Topology Control in Wireless Sensor Networks**  
*Nitin Sharma, Monika Bathla*
2. **Polarimetric SAR Image Descriptors & Their Combination with ERCF**  
*Purnima Ahuja, Neha Gupta*
3. **Multicast Flow Control Mechanism**  
*Dilshad Ali, Faimuddin, Virendra Kumar*
4. **Perservers: Game Development & Multiplayer Gaming Via Bluetooth**  
*Sanchit Dua, Ajeet Kumar Gautam*
5. **Field measurements in Wireless LAN: A case study**  
*Neeti Bisht, Mridul Kumar, Surjeet Wari*

## Presentation Session I

**Date:** 17 April 2011

**Time:** 11:45-13:30

**Venue:** IL-202, School of ICT

**Track:** Computing

**Invited Talk:** Mr. Bharat Bhushan

**Topic:** Security Issues Paradigm & Solutions

**Session Chair:** Mr. Bharat Bhushan

**Session Co – Chair:** Dr. Abdul Wahid

**Student Coordinator:** Neeti Bist

1. **Cloud Computing: New Paradigm Shift for e-Government**  
*Arvind Bhisikar, Harman Preet Singh*
2. **Attack Mitigation Mechanism in Computer Networks**  
*Manisha Manjul, Chandan Kumar Sonkar, Ashok Kumar Chaudhary*
3. **Combined wavelet based UWB Communication Waveform**  
*Asmita R Padole, A. P. Rathkanthiwar*
4. **Concurrency Control and Deadlocks in Distributed Databases**  
*Rinki Chauhan, Swati Gupta*
5. **CMOS Nanoscale Issues And Trends**  
*Jasdeep Kaur, S. S. Rajput, Nupur Prakash*
6. **Design & Analysis of Fuzzy Clustering Algorithm for Data Partitioning Applications**  
*Alka Singla, Rajesh Mehra*
7. **Need of a New Programming Paradigm: Aspect Oriented Programming**  
*Shashank sahu, Rajesh Kumar Tyagi*
8. **Critical Study of Expert System Development Paradigms**  
*Arun Solanki, Ela Kumar*

## Presentation Session II

**Date:** 17 April 2011

**Time:** 11:45-13:30

**Venue:** IL-203, School of ICT

**Track:** Communication Systems & Networks

**Session Chair:** Prof. Brahmjit Singh

**Session Co – Chair:** Dr. Rajesh Mishra

**Student Coordinator:** Niyati Baliyan

- 1. Offline signature recognition using Hough transform and Neural Network**  
*Rahul Dubey, Dheeraj Agrawal*
- 2. Optimal Utilization of DSPT in Disaster Management in Leh: Analysis and Solution**  
*Amit Chaudhary*
- 3. Effective approach of Virtual Reality in real world**  
*Kuldeep Singh Kaswan, Pardeep K. Bhatia, O.P. Sangwan*
- 4. Node Stability Based Hybrid Clustered Routing Algorithm in MANETS**  
*Indu Kashyap, R.K. Rathy, Diwaker Pandey*
- 5. Rectennas - A Case Study**  
*Rakesh Kumar Yadav, R. L. Yadava, Sushrut Das*
- 6. Real-Time Environmental Monitoring and Regulation using Wireless Sensor Network**  
*Raaziya Shamim, M. Salim Beg, Rehan Muzammil*
- 7. A New Three Tier Certification Architecture in Component-Based Software Development**  
*Rahul Kumar, Kuldeep Kumar, Pradeep Tomar*
- 8. A Comparative Study Of Security Algorithms on Wireless Constrained Networks**  
*Rajesh Kumar Tyagi*

## Presentation Session III

**Date:** 17 April 2011

**Time:** 14:30-16:30

**Venue:** IL-202, School of ICT

**Track:** Signal Processing

**Invited Talk:** Dr. S. S. Rajpoot

**Topic:** Nano Electronics CMOS Analog Design

**Session Chair:** Dr. S. S. Rajpoot

**Session Co – Chair:** Dr. D. K. Panda

**Student Coordinator:** Preeti Tanwar

1. **Cross Layer based Mobility Management in Wireless Networks**  
Sudesh Pahal, Brahmjit Singh
2. **Home Mechanization System Using ZigBee**  
*Bondili Kohitha Bai, Bhupendra singh*
3. **A 0.5V Supply CMOS LC VCO with Wide Tuning**  
*Soumitra Sarkar, Niraj Pratap Singh*
4. **Gaussian Minimum Shift Keying Based Communication System Using Interleaved Convolution Code**  
*Baljit Kaur*
5. **Analytical Comparison of 1-Bit Full Adder Scheme for 180 nm CMOS Technology**  
Surendra Kumar Ladhoriya, Javed Ashraf
6. **Study on Vertical Alignment of Carbon Nanotubes using AFM and SEM**  
*Sudhanshu Singh*
7. **An Efficient CORDIC Based Implementation of Fast Fourier Transform**  
*Pooja Chaudhary, Abhijit Karmakar, Ashok Suhag*
8. **Evaluation of Traditional Indexing Techniques for Wireless Broadcast**  
*Savita Kumari, Seema Verma, Rakhee*
9. **Reduction of Peak-to-Average Power Ratio (PAPR) in an OFDM System using Selective Mapping (SLM) With LDPC coding**  
Savita Dhiman, Garima Saini
10. **Seamless Handover Protocols for VoIP Services in Wireless Heterogeneous Networks**  
*Niraj Pratap Singh, Brahmjit Singh*
11. **Four Wave Mixing Effect In Wavelength Division Multiplexing for Radio Over Fiber System**  
*Pratima Singh, R.K.Sinha*

## Presentation Session IV

**Date:** 17 April 2011

**Time:** 14:30-16:30

**Venue:** IL-203, School of ICT

**Track:** Communication Systems & Networks

**Session Chair:** Prof. Sanjay Jasola

**Session Co – Chair:** Dr. O. P. Sangwan

**Student Coordinator:** Swati Rawat

1. **Wireless Monitoring of Greenhouse System**  
*S. Kaushik, S.Muthu Ganesh*
2. **Huffman Based Lossless Image Compression for Dental X-Ray Images**  
*Megha Agarwal, Ruby Singh*
3. **Performance Enhancement of Wireless Link Using Receiver Diversity Schemes over Multipath Rayleigh Fading Channel – A unified statistical investigation**  
*Vicky Singh, Amit Sehgal, Rajeev Agrawal*
4. **Microstrip Patch Antenna For Radio-Frequency Identification (RFID)**  
*Garima Chandel, Hridesh Kumar Verma*
5. **High Gain Micro-strip Patch Antenna**  
*Monika Shah, Shruti Vashist*
6. **New Approach to Design a Block Cipher Based on Replacement Algorithm and Conditional Encryption**  
*Manu Lochab, Vandana Nath*
7. **Effective Computing Model of SaaS in SOA Environment**  
*Abhishesk Agarwal, Deepa Gupta*
8. **Prioritization based Test Case Generation in Regression Testing**  
*K. P. Jayant, Sunil Kr. Gautam, Ajay Rana*
9. **On the Hybridization of Evolutionary Algorithms and Optimization Techniques**  
*Vinay Kumar Singh, Vidushi Sharma*
10. **Energy Efficient Clustering Scheme for Wireless Sensor Networks**  
*Puneet Azad, Brahmjit Singh*
11. **Fractionally spaced Decision Feedback Equalizer with Activity Detection Guidance and Tap Decoupling**  
*Hema Saini, Rajiv Kapoor*

## Presentation Session V

**Date:** 17, April

**Time:** 14:30-16:30

**Venue:** IL-204, School of ICT

**Track:** General Session

**Session Chair:** Dr. Ela Kumar

**Session Co – Chair:** Mr. Jasbir Singh

**Student Coordinator:** Rohit & Rahul

- 1. A study of firewalls and need of firewalls evolution**  
*Sunil Jolly*
- 2. Performance Analysis of Oracle Database Health**  
*Ranjeet Ranjan, Sushil Kumar, Anil Kumar Maurya*
- 3. Impact of Software Technology on Real Time Virtuality**  
*Shashank Sharma, Prateek Jain*
- 4. Software Re-Engineering Strategy Improvement Using Hybrid Re-Engineering**  
*Shashank Sharma, Prateek Jain, Sandhya Tarar*
- 5. Comparative Study of Software Quality Models to Improve Software Quality in Software Industry**  
*Ashutosh Bhadana, Pradeep Tomar*
- 6. Comparative Study of Source Code Metrics for Programming Languages**  
*Niyati Baliyan, Pradeep Tomar, Prachi Baliyan*
- 7. Mutation Operators: A Critical Review**  
*Anuj Kumar, Abdul Wahid*
- 8. Investigation of Methods to Make the CBSE Process More Effective to Develop Quality Software**  
*Deepak Panwar, Pradeep Tomar, Arvind Kumar*
- 9. A Route to Hybrid Reverse Engineering Approach**  
*Hema Kashyap, Rohit Singh, Vidushi Sharma*
- 10. QoS Architecture in IP Multimedia Subsystems**  
*Ravindra Nagar, Pawan Kumar, Atul Tyagi*
- 11. Properties of BDD in Realization of Anti-symmetric Function**  
*G.P.Sinsinwar, K.S.Yadav, Ashok Kumar Suhag*