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Chair(s)	W. Jino Hans , <i>Assistant Professor Department of ECE SSN College of Engineering</i>

- 342 Automated Accident Detection and Rescue System** 1437
Venkata Krishna Kota, Nagendra Kumar Mangali, Thirumal Kumar Kanakurthi, A. Rakesh Kumar and T. Velayutham
- 343 Reactive Energy Efficient Heterogeneous Cluster Based (R-EEHC) Routing Protocol for WSN** 1442
Padmavati Khandnor and Trilok Chand Aseri
- 372 QoS Performance Evaluation of Energy Efficient Load Aware Routing Protocol (EELAR) in MANET** N/A
Mahdi Abdulkader Salem and Raghav Yadav
- 409 Secure AODV Routing Protocol for Mobile Adhoc Network** N/A
S.S. Zalte and V.R. Ghorpade
- 443 Improving Information Spread Through Modified Scheduled-Seeding Algorithm** 1457
Sunil Kumar Yadav and W. Wilfred Godfrey
- 455 Online Adaptive Policy for Connectivity Management in CR-VANETs** N/A
Chitra Sudhakaran and M. Suganthi
- 461 A Centrality Based Random Walk Approach for Topology Formation in Networks** 1468
S. Simi and A. Sherin
- 494 Designing of Dual Band Miniaturized Frequency Selective Surfaces for WiMAX/WLAN Band** 1473
Sonu Jain, Ajay Yadav and R.P. Yadav
- 518 Image Processing in Encrypted Domain for Distributed Storage in Cloud** 1478
S. Deepthi, V.S. Lakshmi and P.P. Deepthi
- 519 Priority Based Routing Framework for Neighborhood Area Network in Smart Grid Communication** 1483
L. Jayashree and R. Sandanalakshmi
- 240604 A Cross-Slot Coupled Hexagonal Dielectric Resonator Antenna for C-Band Applications** 1488
Suchita Sarcar and Hrudananda Pradhan

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
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Venue	Hall 6 Microwave \& Optical Lab
Chair(s)	A. Jawahar , <i>Professor Department of ECE SSN College of Engineering</i>

- 558 Performance Analysis of Multirate MM-OLSR Protocol in Wireless Adhoc Networks** 1494
Seli Mohapatra

- 601 Different Types of Cooling Systems Used in Photovoltaic Module Solar System: A Review** 1500
Himanshu Sainthiya and Narendra S. Beniwal
- 617 Big Data for Smart Grid Operation in Smart Cities** 1507
Satyanarayana V. Nandury and Beneyaz A. Begum
- 626 Self-Reconfiguration Aggregation Scheduling to Recover from Node and Interference Faults in WSNs** 1512
Beneyaz A. Begum and Satyanarayana V. Nandury
- 628 Wireless Movement Sensor Network for Real-Time Monitoring of Slope Instability** 1518
B. Swathi, and Maneesha Vinodini Ramesh
- 643 Design and Implementation of Low Cost Digital Forensic Laboratory for University** 1524
Md. Masud Parvez, Syed Akhter Hossain and Shaikh Muhammad Rizwan Ali
- 706 Optimization of Indoor Lighting by Automatic Control** 1529
Mandar A. Pradhan and A.D. Shaligram
- 726 Secure Remote Diagnostics of a Vehicle Using UGP** 1534
Rohit Mehra, Balakrishnan Paulraj and Arup Mukherji
- 744 Robust DCN Design for Optical Transport Network Resilience** 1540
P.V. Koustubha Krishna and Prasant Kumar Pattnaik
- 903 Earliest Execution Demand First Routing Protocol for WDM Optical Networks** 1545
P.L. Sindhuja Rao, K.V.V.N.D. Santosh, T.K. Ramesh and Sandeep Kumar Konda

Session	Track 1: Antennas and Propagation, Communication Theory and Information Theory
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Venue	Hall 7 Conference Hall ECE
Chair(s)	K. T. Selvan , <i>Professor Department of ECE SSN College of Engineering</i>

- 240605 Hybrid Concentric Annular Cylindrical Dielectric Resonators Antenna for Improved X-Band and Ku-Band Applications** 1550
Namrata Pradhan, Hrudananda Pradhan
- 240713 Design & Study of Perturbed Rectangular Monopole Antenna for UWB Applications** 1555
Swaroopaa Patjoshee, Jyotika Subhadarshini and Diptimayee Konhar
- 240722 High Throughput Structured LDPC Layered Decoder** 1559
Jayashree C. Nidagundi and Siddarama R. Patil
- 240753 A Novel Wideband Metamaterial for Absorber S-Band** 1564
Prarthan Mehta, Rizwan Alad, Khushbu Patel and Aroma Macwan
- 240756 A Novel CPW-Fed Palm Hand Type Antenna for UWB Applications** 1568
N. Kumar Reddy and Rajib Jana
- 240257 The Pilot Design for OFDM-OQAM in Time-varying Channels** 1572
Yusong Shi, Xiaobing Yuan and Baoqing Li

- 240630 A Miniaturization of Microstrip Antenna Incorporated with Metamaterial Structure at 2.4 GHz** N/A
Nazia Abdullah, Gaurav Bhardwaj and Sunita
- 240646 Compact Multiband Antenna with Folded Meandered Loop: LTE/WLAN/WiMAX Advanced Mobile Operations** 1582
Mahadik Shamala Rajaram and Uttam Laxman Bombale
- 240729 Performance Analysis of Ant Colony Based Optimization Algorithm in MIMO Systems** 1587
Nidhi Sindhvani and Manjit Singh
- 240760 Designing Interleaver for High Dimensional Data Transmission using Hybrid GSO** 1594
Rutuja Abhishek Deshmukh and A. R. Panat
- 473 Mitigating Effects of Noise in Forensic Speaker Recognition** 1602
M.S. Athulya, Vinayshankar and P.S. Sathidevi

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
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Chair(s)	R. Hemalatha , Associate Professor Department of ECE SSN College of Engineering

- 1008 Intelligent Plant Disease Detection System Using Wireless Multimedia Sensor Networks** 1607
K. Indumathi, R. Hemalatha, S.Aasha Nandhini and S. Radha
- 1014 LT Code Based Forward Error Control for Wireless Multimedia Sensor Networks** 1612
A.A. Mutheeswari Subhagya, P. Kaythry and R. Kishore
- 240534 A Reliable and Secure Approach for Efficient Car-to-Car Communication in Intelligent Transportation Systems** 1617
Anushree Joshi, Pradnya Gaonkar and Jyotsna Bapat
- 240594 Advanced Monitoring System for Digital Cable Distribution Network** 1621
Nanda kishora Holla and Siva Yellampalli
- 240682 Localization and Optimization of Resource Allocation in a Multi-user Cognitive Radio System** 1624
A. Sadacharamani and M. Suganthi
- 240683 Performance Evaluation of Spectrum Database Access with Interference Alignment in Cognitive Radio Enabled Vehicles** 1630
N. Lalithakumari and M. Suganthi
- 240726 A Hybrid Energy Efficient FF Algorithm for Wireless Sensor Network** 1635
Raghu Kalyana and Setti Naga Aruna
- 240780 Ransomware Attacks: Radical Menace for Cloud Computing** 1640
Rajani S. Sajjan and Vijay R. Ghorpade

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 09:00 AM -- 10:30 AM
Venue	Hall 2 Justice Pratap Singh Auditorium Room 2
Chair(s)	R. Kalidoss , Associate Professor Department of ECE SSN College of Engineering

- 240953 MAHADISCOM Electrical Theft Controlling Mechanism Operated Technology for Controlling Theft by Direct Hooking** 1647
Surekha S. Bhalshankar and C.S. Thorat
- 752319 The Influence on Traffic After Opening Community Based on Dynamic Weighting Evaluation and Ant Colony Algorithm** 1651
Qingyi Pan
- 615 Energy Aware Virtual Backbone Construction Using Cluster Heads in Wireless Sensor Network** 1656
T. Rehannara Beegum
- 637 Path Reestablishment in Wireless Sensor Networks** 1659
Preeti Kale and Manisha J. Nene
- 240863 An Approach to Internet of Things Network Deployment for Smart Grid Applications** 1664
Mohammed F. Khan, Amit Jain and A. Paventhan
- 240889 SDN, A Research on SDN Assets and Tools to Defense DDoS Attack in Cloud Computing Environment** 1670
Tasnim Tamanna, Tasmiah Fatema and Reepa Saha

Session	Track 1: Antennas and Propagation, Communication Theory and Information Theory
Date / Time	24 March 2017 (Friday) / 09:00 AM -- 10:30 AM
Venue	Hall 3 Justice Pratap Singh Auditorium Room 3
Chair(s)	C. Annadurai , Associate Professor Department of ECE SSN College of Engineering

- 658 A New Approach to Query by Humming Based on Modulated Frequency Features** 1675
Trisiladevi C. Nagavi and Nagappa U. Bhajantri
- 668 Modeling of Satellite Communication Systems Design With Physical Layer Security** 1680
Yuan Gao, Hong Ao, Quan Zhou, Zenghui Feng, Weigui Zhou, Yi Li and Xiangyang Li
- 692 Modified Coplanar Waveguide with Perturbed Signal Line for Filter Applications at 2.45 GHz** 1684
Ashna Rehman and P. Rahul Lal
- 781 Electrically Small S-Band Antenna for CubeSat Applications** 1687
Nadeem Nabi Rather and S. Suganthi
- 838 Dual-Band Microstrip Patch Antenna Using Frequency Selective Surface** 1692
Dharmvir Kumar, Tamasi Moyra, Partha Kumar Deb and Tanay Tarun
- 847 Clustered Set of Three Differently Sized Elliptical Dielectric Resonator Antennas for X-band Application** 1697
Riya Chakraborty, Shyam Sundar Jash, Manimala Pal and Rowdra Ghatak

- 884 **Rectangular Ring Reconfigurable Antenna for Wireless Communication** 1701
Sweta Sarita Sarangi and Ashish Kumar Sharma
- 977 **Design and Analysis of Reconfigurable Antenna Using PIN Diodes for Multi Band WLAN Applications** 1705
Shailendra Kumar Dhakad, Umesh Dwivedi and Tapesh Bhandari
- 240716 **A Pine Tree Shaped CPW-Fed Monopole Antenna for Wireless and Satellite Applications** 1709
Jyotika Subhadarshini, Swaroopa Patjoshee and Diptimayee Konhar

Session	Track 6: Workshop on ``New Technologies in 5G''
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Venue	Hall 4 ECE AC Seminar Hall
Chair(s)	L .Nandita , Associate Professor Department of ECE SSN College of Engineering

- 15 **Cooperative Spectrum Sharing with Multi-Antenna Based Adaptive Hybrid Relay** 1713
Subhra Shankha Bhattacharjee, Animesh Saha, Chanchal Kumar De and Debasis De
- 174 **Design and Simulation of a Sierpinski Carpet Fractal Antenna for 5G Commercial Applications** 1718
Madhu Sudan Maharana, Guru Prasad Mishra and Biswa Binayak Mangaraj,
- 226 **Need of Physical Layer Security in LTE: Analysis of Vulnerabilities in LTE Physical Layer** 1722
T. Pushpalata and Shashikant Y. Chaudhari
- 285 **Performance Analysis of Incremental Hybrid Decode-Amplify-Forward Cooperative Relaying with Opportunistic Relay Selection Under Rayleigh Fading Channels** 1728
Ashish Kant Shukla and Suneel Yadav
- 315 **Spatial Modulation and Spatial Multiplexing Performance Comparison Over 3D mmWave Communications** 1734
Salma Elkawafi, Abdelhamid Younis, Raed Mesleh, Abdulla Abouda, Mohammed Elmusrati and Ahmed Elbarsha
- 328 **Energy Efficiency of JT CoMP Based Green Powered LTE-A Cellular Networks** 1739
Abu Jahid, Abdullah Bin Shams and Md. Farhad Hossain
- 436 **Space-Time Block Based Linear Precoders for Multi User-MassiveMIMO Frequency Selective Broadcast Channels** 1746
Goli Srikanth and Vijay Kumar Chakka
- 630 **A CoMP Based LTE-A Simulator for Green Communications** 1751
Abdullah Bin Shams, Abu Jahid and Md. Farhad Hossain
- 678 **Performance Analysis of 16×16 , 32×32 , 64×64 2-D Mesh Topologies for Network on Chip** 1757
Charanarur Panem, Udaysingh V. Rane, Vinaya R. Gad, A.K.P. Kovendan, D. Sridharan, Rajendra S. Gad and Gourish M. Naik
- 705 **Beamforming Investigation for Wireless Communication at 60 GHz** 1765
Satyam Gautam and T. Rama Rao

240719 The Study on 4G Communication System and Automatic Identification of Network Behavior 1769
Changrong Liu and Changxi Huang

752365 ICT4D: Femtocells Network Versus Wi-Fi Network for Mobile Communication 1773
Akindeji O. Akinlabi and Meera Joseph

Session	Track 5: Workshop on ``Visible Light Communications''
Date / Time	24 March 2017 (Friday) / 09:00 AM -- 10:30 AM
Venue	Hall 5 Central Seminar Hall
Chair(s)	S. Sundaravadivelu , <i>Professor Department of ECE SSN College of Engineering</i>

87 Wiring Harness Reduction in Automotive Using Li-Fi Technology 1778
Natesan Palanivel and Tingsu Chen

192 Performance Enhancement of Indoor VLC System by Employing SAC OCDMA Technique 1784
Oppicharla Anilkumar and R.K. Jeyachitra

193 Performance Analysis of Flip OFDM in Spatially Modulated MUP MIMO VLC Systems 1790
N. Srinatha and R.K. Jeyachitra

290 Performance Analysis of Transmission Techniques for Multi-User Optical MIMO Pre-Coding for Indoor Visible Light Communication 1794
Mahesh Kumar Jha, Navin Kumar and Y.V.S. Lakshmi

323 Analysis of Rayleigh Fading Channel in FSO System with respect to E_b/N_0 for Different Modulation Schemes 1799
Harmeet Singh and Amandeep Singh Sappal

404 Prototyping of a Li-Fi Communication System 1804
T.M. Darshith and Chandana Bhatt

618 Performance Comparison of Massive MIMO and Conventional MIMO Using Channel Parameters 1808
M. Pappa, C. Ramesh and Madhushri N. Kumar

633 An Experimental Evaluation of Visible Light Communication Utilizing Telecommunications Instructional Modelling System 1813
Ala' F. Khalifeh, Nael AlFasfous, Ramzi Theodory and Serina Giha

746 Investigations on Suitable Modulation Techniques for Visible Light Communications 1818
C.T. Manimegalai, Sabitha Gauni, Nikita Raghavan and T. Rama Rao

753 BER of MIMO FSO Link with Alamouti Coding and SEC 1823
Akinchan Das, Banibrata Bag and Aniruddha Chandra

754 Capacity Analysis for Rayleigh/Gamma-Gamma Mixed ffsO Relayed Transmission 1828
Banibrata Bag, Akinchan Das and Aniruddha Chandra

240602 A Low-cost Modem based on MPPSK in Visible Light Communication for Indoor Accessing Systems 1833
Pu Miao, Lenan Wu and Zhimin Chen

240827 New Strategy in Wireless Communication 1838
Anitha Vijayalakshmi and Nesa Sudha

Session	Track 3: Security and Privacy: Security and Privacy
Date / Time	24 March 2017 (Friday) / 09:00 AM -- 10:30 AM
Venue	Hall 6 Microwave & Optical Lab
Chair(s)	N. Edna Elizabeth , <i>Professor Department of ECE SSN College of Engineering</i>

56 Security Modalities on Linear Network Code for Randomized Sources 1841
Dhawa Sang Dong

486 Cross Level DDoS Defense System N/A
Amol Chauhan, Ashish Kumar Srivastava and Nitul Dutta

730 Behaviour Analysis of HTTP Based Slow Denial of Service Attack 1851
N. Muraleedharan and B. Janet

1028 Design of Secured WLAN by Using "Packet Filtering Firewall" 1857
Haider Mohammed Turki Al-Hilfi, Bassam Abdulmunem Salih and Ion Marghescu

240797 Dynamic Password Authentication Protocol Using Android Device and One-Way Function 1863
Geetanjali Bhola, Divjot Kaur and Mahesh Raj

Session	Track 5: Workshop on "Visible Light Communications"/Track 6: Workshop on "New Technologies in 5G"
Date / Time	24 March 2017 (Friday) / 09:00 AM -- 10:30 AM
Venue	Hall 7 Conference Hall ECE
Chair(s)	B. Partibane , <i>Associate Professor Department of ECE SSN College of Engineering</i>

928 Performance Analysis of Free-Space Optical Wireless Channels Using Finite-SNR DMT 1867
L. Nandita

33 Graph-Based Resource Allocation Scheme in Interference-Restricted Two-Tier OFDMA Femtocell Networks 1871
Pingping Ji and Qi Zhu

995 Performance Analysis of Non Orthogonal Multiple Access Technique with Precoding 1878
S. Bharathi, L. Nandita, N. Venkateswaran and R. Subhashini

752 Investigation on Handover Performance Analysis through Control Parameter Configuration in LTE-A HetNet 1883
A. Saraswathi Priyadarshini and P.T.V. Bhuvanewari

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 1 Justice Pratap Singh Auditorium Room 1
Chair(s)	P.T.V.Bhuvaneswari , Associate Professor Department of Electronics Madras Institute of Technology

- 59 Development of a Power over Ethernet (PoE) Enabled ADS-B Receiver System** 1888
Nagendra Kumar Mangali and Vijendra S. Bagmare
- 60 Outage Analysis of Spatial Modulation in Cognitive Radio Networks** 1892
H. Brahatessa, P.G.S. Velmurugan and S. J. Thiruvengadam
- 71 E-IoT: Context Oriented Mote Prioritization for Emergency IoT Networks** 1897
Rakesh Kumar Ambhati, Venkata Krishna Kota, Shashikant Y. Chaudhari and Manoj Jain
- 77 Network's Server Monitoring and Analysis Using Nagios** 1904
J. Renita and N. Edna Elizabeth
- 78 Network's Application Monitoring and Analysis Using Nagios** N/A
S.B. Angeline Jenefa and N. Edna Elizabeth
- 115 G3 Synced Time Stamped ADS-B Data for Surveillance and Data Fusion Application** 1915
Vijendra S. Bagmare, Nagendra Kumar Mangali and Subhadra Singh
- 135 End-to-End Delay Bound Analysis of VANETs Based on Stochastic Method via Queueing Theory Model** 1920
Banoth Ravi and Jaisingh Thangaraj

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 2 Justice Pratap Singh Auditorium Room 2
Chair(s)	Anandan R , Associate Professor & Head Department of ECE Dhanalakshmi Srinivasan College of Engineering and Technology

- 188 Impact of Anchor Position Errors on WSN Localization Using Mobile Anchor Positioning Algorithm** 1924
Megha. S. Kumar and R. Ramanathan
- 241 Performance Analysis of Software Defined Network Controller Architecture—A Simulation Based Survey** 1929
Madhukrishna Priyadarsini, Padmalochan Bera and Rohan Bhampal
- 246 Performance Analysis of WSN Links Over η - μ and κ - μ Generalized Fading Channels** 1936
Ashish Goswami and Ashok Kumar
- 273 MHRP: A Novel Mobility Handling Routing Protocol in Wireless Body Area Network** 1939
Koushik Karmakar, Suparna Biswas and Sarmistha Neogy

- 321** **Outage Performance of Physical Layer Network Coding Based Spatially Modulated Full Duplex Bidirectional Relay Network** 1946
R. Rajesh, P.G.S. Velmurugan, S.J. Thiruvengadam and P.S. Mallick
- 395** **Performance Analysis of Vehicular Ad-hoc Networks with Space Shift Keying Modulation** 1951
M. Nithya and G. Ananthi
- 406** **Artificial Neural Network Based Estimation of Moment Magnitude with Relevance to Earthquake Early Warning** 1955
Ajit Kundu, Y.S. Bhadauria, S. Basu and S. Mukhopadhyay
- 560** **A New Indoor Localization System Based on Bayesian Graphical Model** 1960
Abdulraheeb Alhammedi, Fazirulhiysam Hashim, Mohd Fadlee A. Rasid and Saddam Alraih

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 3 Justice Pratap Singh Auditorium Room 3
Chair(s)	B.R.Tapas Babu , <i>Professor Department of ECE S. A. Engineering College</i>

- 671** **An Algorithm towards QoS Improvement of Cognitive Mobile Users** 1965
Anindita Kundu, Ishita Doshi, Iti Saha Misra and Salil K. Sanyal
- 717** **A Low Voltage Pre Start Up Circuit for Thermal Energy Harvesting Applications** 1970
Sweta kumari, Sitanshu Sekhar Sahu and Bharat Gupta
- 723** **Reconfigurable Channel Filtering Architecture Based on Two Bit Sub Expression Minimization for Digital Up Conversion in Software Defined Radio** 1974
Achalla Sriram, A.S.R. Monalisa and Sriadibhatla Sridevi
- 728** **Identification of Data Aggregators in Wireless Sensor Network** 1979
Ganesh Khade and S. Mini
- 742** **Design and Implementation of Internet of Things Using Texas Instruments' CC3200 LaunchPad** N/A
Raghavendra Rao Kanchi, Divya vani Palle and Sreenivasulu Gummadi
- 764** **LPG Monitoring and Leakage Detection System** 1990
Shruthi Unnikrishnan, Mohammed Razil, Joshua Benny, Shelvin Varghese and C.V. Hari
- 783** **Behavioral Modeling of RF Power Amplifiers for Designing Energy Efficient Wireless Systems** 1994
R.V. Sanjika Devi and Dhanesh G. Kurup

Session	Track 4: Signal and Image Processing
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 4 ECE AC Seminar Hall
Chair(s)	S. Sakthivel Murugan , <i>Associate Professor Department of ECE SSN College of Engineering</i>

- 325** **Spectral Similarity for Evaluating Classification Performance of Traditional Classifiers** 1999
B.R. Shivakumar and S.V. Rajashekararadhya

- 336 Early Stage Prediction of Sudden Cardiac Death** 2005
Reeta Devi, Hitender Kumar Tyagi and Dinesh Kumar
- 365 VISH: A Multimodal Biometric Database** 2009
K. C. Narendra, Shashank Satyanarayan and R. Kumara Swamy
- 366 Contemporary Steganalysis Schemes for Reliable Detection of Steganography** 2013
G. John Babu and R. Sridevi
- 379 A New SURF Based Ear Recognition System Using Feature Extraction** N/A
R. Cyril Jose Knifaharan and B. Priyalakshmi
- 380 Design and Evaluation of Reconfigurable Filters** 2021
E. Senthil Kumar, Mangala S. Joshi, J. Manikandan and V.K. Agrawal
- 425 Implementation of Ex-OR Gate Using QCA with NNI Logic** 2027
Anshul Bharti and Abhay Sharma
- 798 Extracting the Features of Emotion from EEG Signals and Classify Using Affective Computing** 2032
R. Chinmayi, G. Jayachandran Nair, Mantha Soundarya, D. Sai Poojitha, Gayathri Venugopal and Jishnu Vijayan

Session	Track 4: Signal and Image Processing
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 5 Central Seminar Hall
Chair(s)	M.Anbuselvi , Associate Professor Department of ECE SSN College of Engineering

- 752339 Power Fluctuation Reduction Scheme in Marine Power Plants** 2037
Lakshmi C. Raveendran and R. G. Devika
- 752418 Literature Survey of Sarcasm Detection** 2041
Pranali Chaudhari and Chaitali Chandankhede
- 240887 Performance and Analysis of Image Restoration Techniques at Different Noises** N/A
Sujita Pillai and Rovin Tiwari
- 240910 A Noninvasive Cancer Detection Using Hyperspectral Images** 2051
Arun Gopi and C.S. Reshmi
- 752352 A Wireless Pressure Sensor Node With Temperature Compensation Function** 2056
Sujun Yang, Qun Sun, Xingrong Shen and Hong Shi
- 752356 Simulation of Multichannel Radar Echo Processing Based on Simulink** 2060
Lu Yong-qiang and Han Zhuang-zhi
- 752336 SMI Algorithm - Adaptive Beamforming for Radar Systems** 2065
Swathi Sharma and S. Sujatha
- 773 FPGA Implementation of Viterbi Decoder for Software Defined Radio Applications** 2070
I. Swathi and S. Rajaram

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 6 Microwave \& Optical Lab
Chair(s)	V.Nagaraju , Associate Professor Department of ECE S. A. Engineering College

- 138** **Balancing Energy Saving and Latency in Mobile Collector Based Delay Sensitive Wireless Sensor Network** 2074
Srijit Chowdhury and Chandan Giri
- 456** **Energy Efficient Wireless Sensor Network Using Neural Network Based Smart Sampling and Reliable Routing Protocol** 2081
C.B. Vinutha, N. Nalini and B.S. Veeresh
- 604** **Hierarchical Routing Protocols for Wireless Sensor Networks: A Comparative Survey** N/A
Misbahul Haque, Tauseef Ahmad and Mohd Imran
- 870** **Performance Study of Routing Protocols for Power Data Transfer in Wireless Sensor Network** 2091
Arnab Ghosh and Niladri Chakraborty
- 240822** **Time Synchronization Method Among VANET Devices** 2096
Zhentao Li, Zhizhong Ding, Yu Wang and Yinling Fu
- 240833** **Study on Process Level Network Message Transmission Time of Smart Substation** 2102
Jixing Gao, Lei Lu, Weiming Tong, Zhongwei Li and Xianji Jin
- 752310** **Infant Movement Detection and Constant Monitoring Using Wireless Sensors** 2109
Neethu Raghavan and S. Ullas
- 507** **HEMAN: Health Monitoring and Nous** 2115
Chanchal Raj, Chaman Jain and Wasim Arif

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 11:00 AM -- 12:00 PM
Venue	Hall 7 Conference Hall ECE
Chair(s)	G. Durga , Assistant Professor Department of ECE SSN College of Engineering

- 89** **Power Estimation by Power Contour to Monitor Sharable Frequency with Mobile Phone Sensors** 2120
Nobuo Suzuki, Hiromi Matsuno and Keizo Sugiyama
- 128** **Blood Bag: A Web Application to Manage All Blood Donation and Transfusion Processes** 2125
Rehab S. Ali, Tamer F. Hafez, Ali Badawey Ali and Nadia Abd-alsabour
- 293** **Routing Protocols Based on Sink Mobility in Wireless Sensor Networks - A Review** 2131
Rohit Goyal and Padmavati Khandnor
- 294** **Structure and Structure-Free Data Aggregation Protocols in Wireless Sensor Networks-A Review** 2136
Mehak and Padmavati Khandnor

- 361 Smart Bluetooth Low Energy Security System** 2141
Y. W. Prakash, Vishakha Biradar, Shenil Vincent, Minto Martin and Anita Jadhav
- 402 Harnessing Low-Cost Marine Internet for Collision Avoidance of Vessels at Sea** 2147
Sethuraman N. Rao and Aswini Balakrishnan
- 575 Secondary User Selection in Energy Constrained Cognitive Sensor Networks** 2153
Suraj Khan and Wasim Arif
- 609 A Novel AODV Based Scheme for Malicious Node Elimination** N/A
Sampada Apte
- 713 Design and Development of SoC Based Residential Water Meter Monitoring System** 2163
V. Gokilapriya and P.T.V. Bhuvaneshwari
- 955 Impact of Channel Variation on Throughput of Macro UE in Heterogeneous Network** 2167
S. Ezhilarasi and P.T.V. Bhuvaneshwari
- 240877 Efficient Evaluation of Ant Colony Optimization Technique for MANET** N/A
Apoorva Pachauri and Sudhanshu Sharma

Session	Track 2: Networking, Protocols, Cognitive radio, Wireless Sensor Networks, Services and Applications
Date / Time	24 March 2017 (Friday) / 01:30 PM -- 02:30 PM
Venue	Hall 1 Justice Pratap Singh Auditorium Room 1
Chair(s)	S. Suresh , Associate Professor Dept. of Information Technology SRM University

- 484 Resolving Spatial Unfairness Problem with Reduced-Handshaking in Underwater Acoustic Sensor Network** 2178
Md. Abir Hossain, Amit Karmaker and Mohammad Shah Alam
- 496 A DTLS Based Lightweight Authentication Scheme using Symmetric Keys for Internet of Things** 2183
Harshal Sardeshmukh and Dayanand Ambawade
- 503 Smart Farming---A Prototype for Field Monitoring and Automation in Agriculture** 2189
K. Sreeram, R. Suresh Kumar, S. Vinu Bhagavath, K. Muthumeenakshi and S. Radha
- 522 Implementation and Performance Evaluation of Various Multicast Routing Protocols in Cognitive Radio Ad-Hoc Network: A Performance Review** 2194
C.V. Subhaskara Reddy, M.V. Subramanyam and P. Ramana Reddy
- 538 A Wireless Continuous Patient Monitoring System for Dengue; Wi-Mon** 2201
S. Nubenthan and K. Ravichelvan
- 573 Priority Based Fairness Rate Control in Wireless Sensor Networks** 2206
Subha Kanta Swain and Pradipta Kumar Nanda
- 591 Placement of Optimized Number of Wireless Sensor Nodes to Design an Efficient Monitoring Network** 2211
Somesh Ganguly, Sribas Mondal, Arnab Ghosh, Gargi Konar and Niladri Chakraborty

Session	Track 4: Signal and Image Processing
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- 61 A Survey on Efficient Security Based System Using Homomorphic Encryption for Internet of Things N/A**
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- 240890 Improved Apriori Algorithm for Association Rules Using Regression N/A**
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