

**SSN COLLEGE OF ENGINEERING, KALAVAKKAM-
603110 DEPARTMENT of ELECTRONICS and COMMUNICATION
ENGINEERING**

STUDENT PUBLICATIONS

June 2011-May 2012

International Journals : Under Graduate

1. Edna Elizabeth. N, Radha. S, **Priyadarshini. S, Jayasree. S and Naga Swathi. K**, "SRT-Secure Routing using Trust Levels in MANETs", European Journal of Scientific Research, Vol.75 No.3, pp.409-422. April 2012. (UG)
2. Edna Elizabeth.Nallathambi, Radha Sankararajan, **Vaithianathan Sundaram and Gracelin Sheeba**, " A Secure Routing Protocol to Eliminate Integrity, Authentication and Sleep Deprivation Based Threats in Mobile Ad hoc Network", Journal of Computer Science 7(6): Jun 2011, pp 924-936 (UG)
3. V. Vaithianathan, Dr.J.Raja, Dr.R.Srinivasan, **P.Aishwarya, B. Anupreethi, S. Divya**, "A 3 - 14 GHz Low Noise Amplifier for Ultra Wide Band Applications", International Journal of VLSI Design & Communication Systems, vol. 3, no 1, pp 137-151, February 2012. (UG)
4. Prabagarane Nagaradjane, **Lakshmi Krishnan, Arvind Sai Sarathi Vasan**, "Performance analysis of multicell multiuser MIMO MC DS/CDMA system with MMSE user-ordered SIC technique, Elsevier Journal on computer and electrical engineering, Dec 2011.(UG)
5. Kishore, R., Radha, S. and **Ramasamy, P.** "A Secure Key Predistribution Scheme for WSN using Elliptic Curve Cryptography", Electronics and Telecommunications Research Institute – ETRI Journal, Vol. 33, No.5, October 2011.(UG)
6. P. Vijayalakshmi, T. Nagarajan and **Preethi Mahadevan** - "Improving speech intelligibility in cochlear implants using acoustic models" - WSEAS Transactions on Signal Processing, Vol. 7, Issue 4, Oct. 2011, pp. 103 - 116.(UG)

7. V. Vaithianathan, Dr.J.Raja, Dr.R.Srinivasan, **A. Naveen Bharadwaj**, "A Low Power Fully Digital Transmitter for Ultra Wide Band Impulse Radio", European Journal of Scientific Research, Vol.74 No.2, pp. 259-271, 2012. (UG).
8. Kuttathatti Srinivasan Vishvakshenan, R. Seshasayanan and Yuvaraj Krishnamoorthy "Performance Analysis of Multi-user Multi Input Multi Output-Interleave-Division Multiple-Access System Employing Turbo Coding with Multi-User Detection over Frequency-Selective Wireless Communication Channel", Journal of Computer Science issue 7 Vol-2: Page 284-290, 2011 ISSN 1549-3636 © 2011 Science Publications, New York

International Journals : PG. Communication systems:

9. Jawahar A, Radha S and **Sharath Kumar**, "Capacity-Preserved, Energy-Enhanced Hybrid Topology Management Scheme in Wireless Sensor Networks," International Journal of Distributed Sensor Networks, Volume 2012, doi:10.1155/2012/280932.pp 1-12. (CS)
- 10.S.Sakthivel Murugan, V.Natarajan, **R.Rajesh Kumar**, "Noise Model Analysis and Estimation of Effect due to Wind Driven Ambient Noise in Shallow Water", International Journal of Oceanography, volume 2011, pp1-4. (CS)
- 11.Edna Elizabeth.Nallathambi, Radha Sankararajan, **Vaithyanathan Sundaram and Gracelin Sheeba**, "A Secure Routing Protocol to Eliminate Integrity, Authentication and Sleep Deprivation Based Threats in Mobile Ad hoc Network", Journal of Computer Science 7(6): Jun 2011, pp 924-936 .(CS)
- 12.**Donisha L Greet** , S Hanis, "An improved detection scheme for Radar system", International Journal of Computer Applications 24(5):13-17, June 2011. (CS)

International Journals : PG. Applied Electronics

13. **Saravanan Swapna**, M.Anbuselvi and S.Salivahanan, "Analysis of Min Sum Iterative Decoder using Buffer Insertion" International Journal of Computer Applications, vol.41, no.13, pp 13-17, March 2012. **(AP)**
14. V.Vaithianathan, Dr.J.Raja, Dr.R.Srinivasan, **M.Chandra Praveen**, "Active Inductor Based Low Noise Amplifier for Ultra Wide Band Receiver", International Journal of Computer Applications, vol. 41, no.15, pp: 53-60, March 2012. **(AP)**

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International Conference: Under Graduate

1. Edna Elizabeth N, **Vaidyanathan A , Swetharaksha J, Rajesh Pandian S , Selva Ganesh C** and S. Radha, “Self Healing Certificate less Hybrid Encryption (SHCL-HE)”, International Conference on Communication Systems and Network Technologies, May 11-13, 2012, pp 852-857. (UG)
2. **Parthiban B., Raghavan A., Riyaz Sheriff A., S. Joseph Gladwin,** "Performance Analysis of OFDM – based Two-Way Relay Networks and Estimation of CFO and Channel Impulse Response", International Conference on Science and Innovative Engineering, organized by Organization of science and Innovative Engineering & Technology (OSIET), 31 March 2012. (UG)
3. **Shriram Swaminathan, Nithin Srinivasan, Sriram Ravichandran, Shruthi Ravichandran** and Prabagarane Nagaradjane,” Performance of Transmitter Preprocessing Assisted multi-carrier IDMA in frequency Selective channel for downlink communications,” IEEE international conference European Wireless, April 2012. (UG)
4. **Nithin Srinivasan,** Prabagarane Nagaradjane , **Shriram Swaminathan, Shruthi Ravichandran and Sriram Ravichandran,** “Transmitter Preprocessing Aided Inter-cell relay Cooperation for Interference Management in Downlink Communications,” IEEE international conference on communications and signal processing ,ICCSP 2012. (UG)
5. **Shruthi Ravichandran,** Prabagarane Nagaradjane, **Selvam PD, Sriram Ravichandran and Nithin Srinivasan** “Performance of Preprocessing Aided Relay Assisted Uplink Communications,” IEEE international conference on communications and signal processing, IEEE international conference on communications and signal processing ICCSP 2012. (UG)

6. **Sriram Ravichandran**,Prabagarane Nagaradjane ,**Suraj Krishnan**, **Nithin Srinivasan**, and **Shruthi Ravichandran** “MUTP Aided MIMO Downlink communication systems with Noisy Feedback: Analysis and Performance Results , IEEE international conference on communications and signal processing, ICCSP 2012. (UG)
7. **Preethi Mahadevan**, Pavithra B , S Shri Ranjani ,Vijayalakshmi P And Nagarajan T – “Design Of A Lab Model Of A Digital Speech Processor For Cochlear Implants” – Ieee Tencon, Nov 2011.(UG)
8. **Shriram Swaminathan**, **Suraj Krishnan**, And Prabagarane Nagaradjane, “ Transmitter Preprocessing Assisted MIMO SDMA Systems Over Frequency – Selective Channels” Acc, June 2011 Pp. 374-382.(UG)
9. Durga devi T, Kulazhi.N S, Nandhini. G, Esther Florance “Analysis and Design of high gain U-slot microstrip patch antenna with magnetoinductive waveguide loading”, 2nd International conference on Advances in Engineering and Technology- March 2012(UG)

International Conference: PG Communication Systems

- 10.**S.Shoba**, Y.AsmathVicty Phamila and R.Amutha “Low Memory Wavelet Image Compression for Multimedia Sensor Networks,” in the International conference on Advances in Engineering and Technology (ICAET), March 28 & 29, 2012.(CS)
- 11.**V.Kumaravel**, Y.AsmathVicty Phamila and R.Amutha “LBT Based Image Compression for Wireless Sensor Network,” in the International conference on Advances in Engineering and Technology (ICAET), March 28 & 29, 2012. (CS)
- 12.**M.R.Sharmila** and R.Amutha “Analysis and Implementation of Adaptive ACE for PAPR reduction in OFDM,” in the International conference on Advances in Engineering and Technology (ICAET), March 28 & 29, 2012. (CS)
- 13.**L.Vinu Prabha** and R.Amutha “Performance Analysis of MIMO detection Techniques,” in the International Conference on Recent Trends in

Computational Methods, Communication and Controls (ICON3C'12), Apr 4, 2012. (CS)

14. **Suchitra .R** and Vinoth Kumar .C, “Encrypted Data Hiding in Encrypted Images”, International Conference on Science and Innovative Engineering, 31st March 2012. (CS)
15. **Karunakaran A**, Ramakrishnan M, “Improved forward error correction technique for mobile video broadcast”, Proc of the International conference on communication and signal processing-2012, held at kanchipuram, India, pp.102-105. (CS)
16. **T. Mohanraj** and E. Janardhanan, “Smart Electricity Monitoring Meter With Secure Transmission To EB By GSM/GPRS”, IET12, Anna University of Technology, April 2012. (CS)
17. **Sumithra P**, Jagadish Kumar K.J, “1D Cellular Automata Algorithm Based Ultra Wide Band Antenna Design”, International Conference in Magna on Emerging Engineering trends. (CS)
18. **Saravanan Swapna**, M. Anbuselvi, “Design and analysis of iterative decoder using wave pipelining”, ICCCE: Dr. M.G.R University, Chennai, April 12, 2012. (CS)
19. **M. Saranya**, P. Vijayalakshmi, and Nagarajan Thangavelu, “Improving the Intelligibility of Dysarthric Speech by Modifying System Parameters, Retaining Speaker’s Identity”, Proc. of the Second International Conference on Recent Trends in Information Technology: MIT, Anna University and IEEE Madras Section, Chennai April 19 – 21 , 2012, pp. 60 – 65. (CS)
20. **M. Gandhimadhy** and P. Vijayalakshmi, “Linear Prediction Residual Error Based Assessment of Dysarthric Speech”, Proc. of International Conference on Computing and Control Engineering: Dr. M.G.R University, Chennai, April 12 – 13, 2012, ISBN-978-1-4675-2248-9. (CS)
21. **Kaythry.P**, **Giftina Jennifer**, “Weighted Approach Towards Self Organization In Cellular Networks” , International Conference On Signal Processing, Communication, Computing And Networking Technologies ICSCCN 2011, July 2011, Pp 573-577. (CS)

22. **Liza.J**, Muthumeenakshi.K, Radha.S, “Cooperative Spectrum Sensing In A Realistic Cognitive Radio Environemnt”, In Proc. Of Ieee International Conference On Recent Trends In Information Technology, June 2011, pp 375 – 379. (CS)
23. **Aasha Nandhini R.** Kishore and S. Radha, “An Efficient Anti jamming Technique for Wireless Sensor Networks”, Second International Conference on Recent Trends in Information Technology (ICRTIT-2012): MIT, Chennai, April 19-21, 2012 , pp. 361-366. (CS)
24. Venkateswaran N and **Shiju.R.M**, “Optimization of Linear Array Antenna pattern synthesis using Bacterial Foraging Algorithm”, International Conference on Recent Advances in Computing and Software Systems (RACSS 2012): SSN College of Engineering April26-27, 2012. (CS)
25. **Sreejith B.S** and Jawahar.A, “Energy Efficient Fault Management Scheme for Wireless Sensor Networks”, International Conference on recent Trends in Computer Science and Enginnering: May 3-4, 2012. (CS)
26. **Mathan Raj M**, Sakthivel Murugan S, “Development Of Noise Reduction Algorithm Using Wavelet To Improve The SNR For Underwater Signal Affected By Wind Driven Ambient Noise”, Third International Conference On Intelligent Science And Technology (Iist), June 2011. (CS)
27. **S. Lilly Christina**, P. Vijayalakshmi and Nagarajan Thangavelu, “HMM Based Speech Recognition System for the Dysarthric Speech Evaluation of Articulatory Subsystem”, Proc. of the Second International Conference on Recent Trends in Information Technology: MIT, Anna University & IEEE Madras Section, MIT Chennai, April 19 – 21, 2012, pp. 54 – 59. (CS)

International Conference: Applied Electronics

28. **Anushiya Rachel Gladston**, P. Vijayalakshmi and Nagarajan Thangavelu, “Improving Speech Intelligibility in Cochlear Implants Using Vocoder-Centric Acoustic Models”, Proc. of the Second International Conference on Recent Trends in Information Technology: MIT, Anna University & IEEE Madras Section, MIT Chennai, April 19 – 21, 2012, pp. 66 – 71. (AP)
29. **T. Sathya** and S. Hanis, “Image Interpolation schemes for enhanced super resolution in Lung cancer X-ray images”, International Conference on Engineering and Technology (ICET): Sri Venkateshwara College of Engineering, Chennai, April 18-20, 2012, pp.557-561. (AP)

30. **K. Lalitha** and S. Hanis, "Cloud removal and reconstruction of missing data in remote sensing images", authored by was published in the International Conference on Engineering and Technology (ICET): Sri Venkateshwara College of Engineering, Chennai, April 18-20, 2012, pp.562-565. (AP)
31. **N. Ramya** and G.Durga, "Real Time Face Object Detection for Security & surveillance Application" is presented by in 4th the International Conference on Electronic Computer Technology (ICECT 2012): IEEE R-10, Kanyakumari, April 6 – 8, 2012, Vol.2, pp.169-173. (AP)
32. **P. Deepa**, G.Durga and S.Joseph Gladwin, "Removal of High Density Random and Fixed Valued Impulse Noise in Images" 4th International Conference on Electronic Computer Technology (ICECT 2012): IEEE R-10, Kanyakumari, April 6-8, Vol.2, pp.174-178. (AP)
33. **S. Raghuvaran** and Suresh R. Norman, "Automation of Green house and its Remote Access" International Conference on Electronic Computer Technology: IEEE R-10 at Kanyakumari, April 6-8, 2012, pp.298-302. (AP)
34. S. Joseph Gladwin, **K. Shavana**, S. Salivahanan, "Performance Analysis of Channel Estimation for MIMO – OFDM Transceiver" 4th International conference on Electronics Computer Technology (ICECT 2012): IEEE R-10 Kanyakumari, April 6-8, 2012. (AP)
35. **Kiruba Veni S**, Sakthivel Murugan S, Radha S, " Adaptive Algorithm For Detection Of Underwater Acoustic Signals Against Ambient Noise In Shallow Water At Indian Seas", International Conference On Emerging Trends In Electrical And Computer Technology (Icetect), June 2011.(AP)
36. **Surendran.R**, Muthumeenakshi.K, Radha.S, "A Distributed Algorithm For Dynamic Spectrum Access Using Primary Prioritized Markov Model", In Proc. Of Ieee International Conference On Process Automation Control And Computing, July 2011.(AP)
37. **S.Maraimalainayagan**, Dr.Premanand Chandramani, "Modelling and Design of a 14-Band 3.1 to 10.6 GHz Frequency Synthesizer Architecture for MB-OFDM Communication", International Conference on Computing and Control Engineering (ICCCE-on April 12 & 13,2012) Organised by Dr.M.G.R.Educational & Research Institute UNIVERSITY, Adayalampattu, Maduravoyal, Chennai - 600 095.(AP)

38. **P.Venkateshwari** and M.Anbuselvi, “ Decoding performance of binary and non-binary LDPC codes for IEEE 802.11n standard” Proc. on 2nd International conference on recent trends in Information technology,ICRTIT’12,pp 292-296, 20th April 2012.(AP)
- 39.**M. Chandra Praveen**, V. Vaithianathan, Dr. J. Raja, Dr. R. Srinivasan, "Active Inductor Based Differential Low Noise Amplifier for Ultra Wide Band Receiver", Proceedings of IEEE 4th International Conference on Electronics Computer Technology (ICECT), April 06 - 08, 2012, pp: 275 – 280. (AP)
- 40.**M. Chandra Praveen**, V. Vaithianathan, Dr. J. Raja, Dr. R. Srinivasan, "Active Inductor Based Differential Low Noise Amplifier for Ultra Wide Band Applications", Proceedings of IEEE 2nd International Conference on Recent Trends in Information Technology, Madras Institute of Technology, April 19 - 21, 2012, pp: 401 – 406.(AP)
- 41.**K.Mathan Raj**, S. Sakthivel Murugan, V.Natarajan, S. Radha, “ Denoising Algorithm using Wavelet for Underwater signal Affected by Wind Driven Ambient Noise” Proceedings of IEEE 2nd International Conference on Recent Trends in Information Technology, Madras Institute of Technology, June 3-5, 2011 pp: 943-946.(AP)

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STUDENT PUBLICATIONS

June 2011-May 2012

National conference: PG Communication Systems

1. **Jeffin Gracewell J** and Ms. Ramani B, "Development of Tamil speech recognition system" authored by was presented in the National Conference on Signal Processing, Communication and Networking : Sri Venkateswaran College of Engineering, Sriperumbudur, April 3-4, 2012. (CS)
2. Venkateswaran N and **Shiju.R.M**, "Performance of Bacterial Foraging Algorithm For Antenna Pattern Synthesis", Seventh National Conference on Optimization Techniques in Engineering Sciences and Technologies: Bannari Amman Institute of Technology, Sathyamangalam, April 20-21, 2012. (CS)
3. Venkateswaran N and **Shiju.R.M**, "Bacterial Foraging Algorithm Based Transmitter Power Optimization in Multi user MIMO communication systems", Seventh National Conference on Optimization Techniques in Engineering Sciences and Technologies: Bannari Amman Institute of Technology, Sathyamangalam, April 20-21, 2012. (CS)
4. Jawahar A and **Sharath Kumar R**, "Interaction of Combined Topology Management Schemes for Improving Energy Conservation and Lifetime in Wireless Sensor Network", in Proceedings of National Conference on Microwave & Optical Communication – NCMOC2011, pp 27-30. (CS)
5. **Sumithra Sofia.D**, Muthumeenakshi.K and Radha.S, "Decentralized Dynamic Spectrum Allocation in Cognitive Adhoc Networks using Auction Based Game Theoretic Formulations", in Proc of the 6th National Conference on emerging trends in communication, NCETC'12, Chennai, March 2012, pp 34-38. (CS)

National conference: PG Applied Electronics

6. **Kalaiyarasi .P**, Padmapriya .N and Vinoth Kumar .C, “Preprocessing for the Detection of Lesions in Retinal Image Analysis”, National Conference on Emerging Trends in Communication and Information Technology, 2nd & 3rd, March 2012.(AP)
7. **S.Raguvaran**, Suresh R. Norman "Green house System using GSM Methodology" in the sixth National conference on "Emerging Trends in Communication and Information Technology", ETCIT-12 , on March 2,3 2012 at KSR College of Technology, Namakkal, Tamil Nadu.(AP)