

**Dr. P. Chandra Sekhar**

**Papers Presented/accepted (representative list):**

**Journal Publications**

- [1] P. Chandrasekhar and Rameshwar Rao, "[Computationally Efficient Analytical Crosstalk Noise Model for RC Interconnects](#)," J. Mathematical Methods and Models in Applied Science. Vol. 1, issue 1, pp.22-32, 2008.
- [2] D. Ravi and P. Chandrasekhar, "Microstrip Patch Analysis using PML-FDTD Technique," Journal of Communication, Navigation and Signal Processing, Vol. 1, No.2, pp. 46-48, July 2012.
- [3] K.K. Swamy, B. Ramu and **P. Chandrasekhar**, "A Novel Ultra Wide Band Antenna Using Sierpinski Fractal Slots For Medical Imaging Applications," International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 1, January- 2013 (ISSN: 2278-0181).
- [4] S. Rajender, P. Chandra Sekhar, M. Asha Rani, B. Pradeep Kumar Reddy, "Energy Efficient Design of Static Asymmetric Low Swing On-Chip Interconnect Circuits," International Journal of Computer Applications (0975-8887), 2013.
- [5] M. R. Reddy, N.S. Murthy, P. Chandrasekhar, "A Novel CMOS Model Design for 2.4 GHz Narrowband LNA input matching using inductive Degenerated Topology," IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 4, Issue 1, Ver. I, pp. 10-15, Jan'14.
- [6] M. R. Reddy, N.S. Murthy, P. Chandrasekhar, "A 2.4 GHz CMOS LNA Input Matching Design using Resistive Feedback Topology in 0.13 $\mu$ m Technology," International Journal of Research in Engineering and Technology (IJRET) Volume 3, Issue 3, Ver. I, pp. 172-176, Mar'14.
- [7] M. R. Reddy, N.S. Murthy, P. Chandrasekhar, "A Novel CMOS Model Design for 2.6 GHz Wideband LNA Input Matching using Resistive Topology for WIMAX Applications," International Journal of Electronics and Communication Engineering and Technology(IJECET) Volume 5, Issue 8, pp. 55-60, Aug'14.
- [8] VRK Sharma and P. Chandra Sekhar, "Hybrid Computation Scheme for the Measurement of SAR in Complex Characterization of Human Head Exposure to EM Radiation," IOSR Journal of Electronics and Communication Engineering, Vol. 8, Issue 6, pp. 62-64, Nov-Dec'13.
- [9] VRK Sharma and P. Chandra Sekhar, "Hybrid Computation Scheme for the Measurement of SAR in Complex Characterization of Human Head Exposure to EM Radiation," IOSR Journal of Electronics and Communication Engineering, Vol. 8, Issue 6, pp. 62-64, Nov-Dec'13.
- [10] VRK Sharma and P. Chandra Sekhar, "A Hybrid Scheme for SAR Computation of Human Head and Resulting Performance Evaluation of MIMO Systems in the Context of Electromagnetic Asymmetry," IJERT, Vol. 2, Issue 16, pp. 2203-2208, Dec'13.
- [11] VRK Sharma, P. Chandra Sekhar and Deepthi KVBL, "A Novel Method for the Efficient Reduction of TDD Based EM Asymmetry with Demand Based Slot Allocation Scheme Incorporation TD-SCDMA," IJSRP, Vol. 3, Issue 5, pp. 2203-2208, May'13.
- [12] M. R. Reddy, N.S. Murthy, P. Chandrasekhar, "A Novel CMOS Model Design for 2.4 GHz Narrowband LNA input matching using inductive Degenerated Topology," IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 4, Issue 1, Ver. I, pp. 10-15, Jan'14.
- [13] M. R. Reddy, N.S. Murthy, P. Chandrasekhar, "A Novel CMOS Model Design for 2.6 GHz Wideband LNA Input Matching using Resistive Topology for WIMAX Applications," International Journal of Electronics and Communication Engineering and Technology(IJECET) Volume 5, Issue 8, pp. 55-60, Aug'14.

- [14] V Rama Krishna Sharma and P Chandra Sekhar “An FTDD Scheme for the Reduction of EM Radiation based on Asymmetric UL -DL in Hetnets” European Journal of Scientific Research, Victoria, Seychelles. Vol. 132, No.1, pp. 73-82, May-2015.
- [15] V Rama Krishna Sharma and P Chandra Sekhar, “SAR Considerations of the EM Radiation & System Requirements of the EA Uplink-Downlink LTE Systems and the Performance Evaluation of the Resulting FDD & TDD Duplexing Schemes” International Journal of Applied Engineering Research, Vol. 10, Issue 11, pp.30121-30134, 2015.

Dr. B. Rajendra Naik

1. P.Prashanthi, **B.Rajendra Naik**, “Design and Implementation of High Speed Carry Select Adder” published in International Journal of Engineering Trends and Technology (IJETT) – Volume 4 Issue 9-September 2013.pp-3985-3990.[www.ijettjournal.org/volume-4/issue-9/IJETT-V4I9P155.pdf](http://www.ijettjournal.org/volume-4/issue-9/IJETT-V4I9P155.pdf), ISSN: 2231-5381.
2. R.K. Niranjana and B. **Rajendra Naik**, “Approach of Pulse Parameters Measurement using Digital IQ Method” Presented in International Conference on Communication and Electronics Information (ICCEI 2014) January 2-3, 2014, Melbourne, Australia and also published in International Journal of Information and Electronics Engineering vol. 4, no. 1, pp. 31-35, 2014. IJIEE 2014 Vol.4 (1): 31-35 ISSN: 2010-3719 DOI: 10.7763/IJIEE.2014.V4.403.
3. Sudhakar Alluri1, **B. Rajendra Naik**, N. S. S. Reddy,”Mapping of 4-Bit Array Multiplier using Cadence Tool for Low Power High Speed”International Journal of VLSI System Design and Communication Systems Volume.04, IssueNo.01, January-2016, Pages: 0026-0035.

**Dr. L. Nirmala Devi**

1. Nirmala Devi, Dr. V.M. Pandhari Pande “Protecting Multicast session in Optical Networks”. Presented at world conference in advances in communications control systems at DIT University, Dehradun during 6<sup>th</sup> – 8<sup>th</sup> April 2013.
2. Dr.L.Nirmala Devi “Detection of Block hole attack in MANET under AODV Routing Protocol” IRACST – International Journal of Computer Networks and Wireless Communications (IJCNWC), ISSN: 2250-3501 Vol.5, No.2, April 2015.
3. Dr.L.Nirmala Devi “implementation of SDR-based high frequency range OFDM transceiver for dedicated short range communication” (IJCSIT) November 2015.
4. Dr.L.Nirmala Devi “Enhancement of clustering protocol for wireless sensor networks, International Journal of Advanced Research in computer and communication engineering (IJARCCE), November 2015.”
5. L.Nirmala Devi, Dr. V.M.Pandhari Pande, “Protecting Multicast session in optical networks” World conference on advances in communications & Control systems 6<sup>th</sup> - 8<sup>th</sup> April 2013 at DIT University, Dehradun.
6. **L.Nirmala Devi**, “A new and efficient algorithms for the removal of high density salt and pepper noise in images and videos” during 4th-5th October 2013 at Munnar, Kerala, India.

7. **L.Nirmala Devi**, “performance analysis of reactive proactive routing protocols in MANETS. At national conference on wireless communication systems (NCWCS’14)”, Madurai, during 18-19th April, 2014.
8. **Dr. L.Nirmala Devi**, “Bi-directional pumping scheme on distributed Raman amplifier over 4\*4 GB/S WDM transmission system with optical phase conjunction” has been accepted for 3<sup>rd</sup> international conference on wireless and optical communications (ICWOC-2014) during May 24-26, 2014, Singapore.
9. **Dr.L.Nirmala Devi**, “ investigations on routing protocols in mobile grid environment is presented at international conference in advances in computing ,communications and information technology(CCIT 2014) at west minister university London, UK during june 1 – 2, 2014.
10. **Dr.L.Nirmala Devi** “Effect of Wormhole Attack on DSR Routing Protocol in Mobile Ad Hoc Networks" 3rd International Conference on Computer Applications and Advanced Communications (ICCAAC 2014) Hyderabad, India on December 08, 2014.
11. **Dr.L.Nirmala Devi**, “Detection and Prevention of Block hole attack in Mobile Ad hoc Networks” 3rd International Conference on 'Computing, Communication and Sensor Network' December, 12-14th, 2014 Puri, Odisha, India.

**DR. D. Ramakrishna**

1. Mr. D. Ramakrishna and Dr. V.M. Pandari Pande “Design and Implementation of Multiband Meandered line Antenna for Radar Applications” 5<sup>th</sup> International Symposium on Microwaves-2012(ISM-held at Bangalore, India during 11<sup>th</sup> to 14<sup>th</sup> December 2012.
2. 9. Mr. D. Ramakrishna and Dr. V.M. Pandari pande “Design and Development of Tri-Band Reconfigurable Printed Antenna Array using PINDiodes” IEEE Indian Antenna Week-2013 held at Aurangabad, India during 3<sup>rd</sup> – 7<sup>th</sup> June 2013.
3. 10. Mr. D. Ramakrishna and Dr.V.M. Pandari Pande “Design of Ultra Wide Band Antenna for Phased Array Radar Applications” International Radar Symposium 2013(IRS2013) held at Dresden, Germany during June 19 - 21, 2013.
4. *Mr. D. Ramakrishna and Dr. V.M. Pandari Pande “Design and Implementation of Reconfigurable Wheel Antenna Array for MIMO Systems” ” International Radar Symposium 2013(IRS2013) held at Dresden, Germany during June 19 - 21, 2013.*
5. RamaKrishna,V.M.Pandharipande and Shibhan K.Koul “Design of Dual band Reconfigurable Substrate Integrated Waveguide Cavity Backed Slot Antenna Array”,*IETE Journal of Research*, Volume 61, Issue 2, pp.121-131, 2015.
6. D.RamaKrishna,M.Muthukumar and V.M.Pandharipande, “Design and development of reconfigurable rectangular patch antenna array for tri-band applications. *Elsevier International Journal of Electronics and Communications (AEÜ)*, Volume 69, Issue 1, pp.56-61, 2015.

7. P.Appa Rao, D.RamaKrishna and V.M.Pandharipande” Digital Predistorter for RF Power Amplifier” 11th International Conference on Microwaves, Antenna, Propagation & Remote Sensing ICMARS-2015, Jodhpur, INDIA, Dec. 15 – 17, 2015.

### **Dr. P. Naveen Kumar**

1. P. Naveen Kumar and .A.D. Sarma, “Modeling of Ionospheric VTEC using Taylor series Expansion series Expansion for GAGAN Applications , National Space Science Symposium, sponsored by ISRO, organized by SVU tirupathi during 14 – 17<sup>th</sup> Feb, 2012.
2. 10. K.C.T. Swamy, C. Praveen Kumar Reddy, P. Naveen Kumar and .A.D. Sarma Analysis of Low Latitude Ionosphere using youthsat data. National Space Science Symposium, sponsored by ISRO, organized by SVU tirupathi during 14 – 17<sup>th</sup> Feb, 2012.
3. P. Naveen Kumar, “Analysis of TEC due to GPS Signals during Geomagnetic storm Conditions for Indian GAGAN Applications” , National conference on Engineering Trends in Communications and Signal Processing, Sponsored by Board of Research in Nuclear Science, BARC, Mumbai and DRDO, New Delhi, Organised at Hyderabad during 12 – 13<sup>th</sup> October 2011.
8. Dr.Perumalla Naveen Kumar,Seelam Ch. Vijaya Bhaskar, TEC Prediction Performance of the IRI-2012, IRI-2007 and NeQuick Model over Low Latitude Indian Region at Hyderabad Station, 19th National Space Science Symposium (NSSS) will be held at Vikram Sarabhai Space Centre, Thiruvananthapuram , 09 - 12 February 2016.
9. Dr.Perumalla Naveen Kumar,Seelam Ch. Vijaya Bhaskar, Analysis of VTEC using IRI-2012 and NeQuick Models over Low Latitude Region, 19th National Space Science Symposium (NSSS) will be held at Vikram Sarabhai Space Centre, Thiruvananthapuram , 09 - 12 February 2016.
10. Dr. Perumalla Naveen Kumar, Seelam Ch. Vijaya Bhaskar, “Performance Evaluation of IRI-2012 and NeQuick Models over Indian Region for Single Frequency GNSS Applications”, National Conference on Advance Technology for Cadastral Survey & Land records towards Digital India (ATCSLR) organized by CLUMA, 27th -28th November 2015.
11. B.Renu Pratap, P.Naveen Kumar, “Design of L-band Front end for Software Defined Radio for increased accesssibility of Wireless Technology”, 41st IETE Mid-Term Symposium on “ Taking Telecom & IT Revolution to Rural India-Bridging the Digital Divide”, 9-10 April 2010, Sri Venkateshwara University, Tirupathi, Andhra Pradesh, India.
12. A.D.Sarma, D. Venkata Ratnam, P. Naveen Kumar, G. Praveen, “Investigation of Magnetic Storm Effects on GAGAN System Using MMSE model”, 16th National Space Science Symposium (NSSS – 2010), sponsored by ISRO, in association with the Astronomical Society of India, during February 24-27, 2010,Saurashtra University, Rajkot, Gujarat.

13. K.R. Deepthi, P.Naveen Kumar, P.Swetha, "Implementation of Scalable Encryption Algorithm for various parameters", National Conference on "Mathematical Modelling in Engineering and Technology" February, 13 & 14, 2010, Hyderabad.
14. I.Srikanth, P.Naveen Kumar, "Multilevel-Huffman Test Data Compression with Multiple Scan Chain Method", National Conference on "Recent Trends in Computer Science and Information Technology (RTICSIT-09),8-9 May,2009 at Department of CSIT, Guru Nanak Dev Engineering College, Mailoor Road, Bidar, Karnataka.
15. P.Naveen Kumar, "Investigation of Indian LEO Satellite- YOUTHSAT's RaBIT payload data for Low-latitude regions", 18th National Space Science Symposium (NSSS – 2014), Sponsored by ISRO, Dibrugarh University, Dibrugarh, Assam, India, January 29-1 February, 2014.
16. P.Naveen Kumar and A.D.Sarma, "Modeling of Ionospheric VTEC using Taylor Series Expansion for GAGAN Applications", 17th National Space Science Symposium (NSSS – 2012), Sponsored by ISRO, Sri Venkateswara University, Tirupathi, Andhra Pradesh, India, February 14-17, 2012.
17. K.C.T.Swamy, C. Praveen Kumar Reddy, P. Naveen Kumar and A.D.Sarma, "Analysis of Low Latitude Ionosphere using Youthsat data", 17th National Space Science Symposium (NSSS – 2012), Sponsored by ISRO, during, Sri Venkateswara University, Tirupathi, Andhra Pradesh, India, February 14-17, 2012.
18. P.Naveen Kumar, "Analysis of TEC due to GPS Signals during Geomagnetic Storm Conditions for Indian GAGAN Applications", National Conference on Emerging Trends in Communications and Signal Processing, Sponsored by Board of Research in Nuclear Science, BARC, Mumbai and DRDO, New Delhi, Organized at Hyderabad, October 12-13, 2011.
19. P.Naveen Kumar, K.C.T.Swamy and A.D.Sarma, " Estimation of Ionospheric delay of GPS Signals of Space B ound Objects", National Workshop on Atmospheric and Space Sciences (NWASS-2010), Organized by University of Calcutta and URSI Commission 'F', November 23-24, 2010.
20. P.Naveen Kumar, A.D.Sarma and K.C.T.Swamy "Analysis of Ionospheric Time Delay of EM signals due to IRI-2007 and Klobuchar Models for Indian Region", the Third IETE Conference on RF & Wireless-2010 (ICon RFW-10), Co-sponsored by IETE Bangalore network, IEEE MTT/AP-S Bengaluru chapter and ISM special training program, Karnataka, India, October 07-09, 2010.
21. A.D.Sarma, D. VenkataRatnam, P. Naveen Kumar, G. Praveen, "Investigation of Magnetic Storm Effects on GAGAN System Using MMSE model", 16th National Space Science Symposium (NSSS – 2010), sponsored by ISRO, in association with the Astronomical Society of India, Saurashtra University, Rajkot, Gujarat, February 24-27, 2010.

**Mr. M. Shyam Sunder**

1. Metuku Shyamsunder, Dr.Kakarla Subbarao, "Cyclostationary analysis of poly time coded signals for LPI Radars",International Journal of Research and Technology",eISSN:2319-1163,pISSN:2321-7308,June-2015.
2. Metuku Shyamsunder, Dr.kakarla subbarao, "Analysis of poly phase coded signals of LPI radar using S transform", International Journal of review in Electronics and communication Engineering,Volume3,No.6 December 23015
3. Metuku Shyamsunder,Dr.kakarla subbarao,Regimanu Bharath," Analysis of LPI Radar signals using QMFB technique", National conference on Advanced signal processing<Embedded and Communication Systems (ASPECS-2016) during 11<sup>th</sup> - 12<sup>th</sup> August 2016.
4. Metuku Shyamsunder, Dr.Kakarla Subbarao, Regimanu Bharath, CVSSD KrishnaTeja," Estimation of modulation parameters for LPI Radar using Quadrature Mirror Filter Bank", in the IEEE international conference on Electrical,Computer and Electronics Engineering(UPCON2016) during 9<sup>th</sup> -11<sup>th</sup> December 2016.

Mrs. A. Bharathi

1. Sree Sowmya Reddy, A. Bharathi, "Design of Polarization reconfigurable antenna for WLAN applications" , Proceedings Of National Conference On RF Wireless Communication And Signal Processing NCRPWCSP-2014 conducted on 17-18 Nov 2014,pp 39-45 at Bapatla Engg. College.
2. Sree Sowmya Reddy, A. Bharathi "Analysis and Design of Single and Dual feed Microstrip Polarization Reconfigurable Patch Antenna", Proceedings of National Conference on Circuits, Signals and Systems(NCCSS-2015), Muffakham Jah College of Engineering and Technology, Hyderabad, 22-24 January 2015, pp 117-121.
3. A. Bharathi, Manjulatha Velamuri, "Polarization Reconfigurable Antenna with Corrugated Ground Plane", Proceedings of National Conference on Circuits, Signals and Systems(NCCSS-2015), Muffakham Jah College of Engineering and Technology, Hyderabad, 22-24 January 2015, pp 122-125.
4. A.Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Quad Polarization Reconfigurable Antenna with Cpw-To-Slot Line Transition", International Radar Symposium India 2015 (IRSI-15), 15-19 Dec 2015 at NIMHANS Convention Centre, Bangalore.  
A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Design of polarization reconfigurable antenna with frequency tuning," *iWAT-2016*, Florida, USA, 2016, pp. 150-153.  
A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Design of polarization reconfigurable antenna with frequency tuning" *FERMAT Journal*, University of Central Florida, vol. 20.

1. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Array Antenna for Wireless Communication" APMC Conference, 5-9 Dec 2016, Delhi, India.
2. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Polarization Reconfigurable Square Slot Ring Antenna with CPW-to-Slotline Transition", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore.
3. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Ultra-wideband Rectangular Slot Antenna With U-Shaped Tuning Stub", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore.
4. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "A Novel Single Feed Frequency and Polarization Reconfigurable Microstrip Patch Antenna" in International Journal of Electronics and Communication, Elsevier vol 78.
5. A. Bharathi, V.M Pandhari Pande "Design And Development of Antenna with U-Shaped Tuning Stub for UWB Applications" International Conference INDICON 2016, 16-18 Dec 2016, IISC Bangaluru, Bangaluru, India.

**Mrs. R. Sandhya**

1. Sandhya Rachamalla and Anitha Sheela Kancharla, " Adaptive Routing Protocol with Power- Control mechanism for Wireless Sensor Networks", *IJCSNS ( International Journal of Computer Science and Network Security)*, Vol 15, Issue 2, Feb 2015, pp 38-45.
2. Sandhya Rachamalla and Anitha Sheela Kancharla, " Energy-Efficient Adaptive Routing Mechanism for Real-Time Wireless Sensor Networks", *Elixir International Journal of Electrical Engineering*, Vol 9 Issue 1, Feb 2016, pp 38142- 38147.
3. Sandhya Rachamalla and Anitha Sheela Kancharla, " Adaptive Routing mechanism for Real-time Wireless Sensor Networks based on Two-hop information", *Adv in Intelligent Syst., Computing,(AISC)*, Vol. 479, Rajesh Singh and Sushabhan Choudhury (Eds): *Proceeding of International Conference on Intelligent Communication, Control and Devices* , ISSN 978-981-10-1707-0, 393445\_1\_En, (7).
4. Sandhya Rachamalla and Anitha Sheela Kancharla, " A two-hop based adaptive routing protocol for real-time wireless sensor networks", *Journal: SpringerPlus* DOI: 10.1186/s40064-016-2791-3, Vol 5(1) ,pp 1-12

- [11] Sanjeev Kumar Kamepally and Boya Pradeep Kumar and Chandra Sekhar Paidimarry, "FDTD Estimation for Accurate Specific Absorption Rate in a Tumor," in International Conference on Microelectronics Communication & Renewable Energy (AICERA 2013-ICMiCR), 4-6 June, 2013, Kerala.
- [12] P. Chandra Sekhar, Pradeep Kumar Boya and Srinivas Katkooor, "Computationally Efficient Crosstalk Noise Analysis in CMOS Inverter Driven RLC Interconnects," INDICON-13, IITB, 13<sup>th</sup> to 15<sup>th</sup> December, 2013
- [13] Mohd Ziauddin Jahangir and P. Chandra Sekhar, "Design of Programmable Op-Amps with Minimized DC Variations at Output," Primeasia-2013, 20<sup>th</sup> to 21<sup>st</sup> Dec'13.
- [14] Pradeep Kumar and P. Chandra Sekhar, "Development of C/A Code Generation Using DSP and FPGA for GPS Receiver," RACES-2014, 5<sup>th</sup> – 8<sup>th</sup> Mar'14, Punjab University, Chandigarh
- [15] **P. Chandra Sekahr** et all, "*Study of a Parallel Plate Waveguide Using Computationally Efficient Explicit FDTD Algorithm,*" 9<sup>th</sup> IEEE/IET International Symposium on Communication Systems, Networks and DSPs (CSNDSP-2014), Manchester Metropolitan University, Manchester, U.K, 23-25 July, 2014.
- [16] Hariprasad Naik and Chandra Sekhar, "Analysis of TM Wave Propagation on Transmission using TLM," ICDCOM-2014, BITS, Ranchi, 12-13 September, 2014
- [17] Karthik Bodireddy, Boya Pradeep Kumar and Chandra Sekhar paidimarry "Design and Implementation of Area and Delay Optimized Carry Tree Adders using FPGA," International Conference on Computing and Communication Technologies-ICCCT-2014, 11<sup>th</sup> -13<sup>th</sup> December 14, Osmania University, Telangana
- [18] N.K. Murthy, Thogaru Abhishek Reddy and Chandra Sekhar Paidimarry "Conformal Finite Difference Time Domain Technique using efficient Overlapping grid method to analyze Curved structures," International Conference on Computing and Communication Technologies-ICCCT-2014, 11<sup>th</sup> -13<sup>th</sup> December 14, Osmania University, Telangana
- [19]Mohd Ziauddin Jahangir, P Chandrasekhar and N.V.Koteswara Rao, "Design and Simulation of Band-gap Reference Circuit" IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia), 27-29 November, 2015, Hyderabad, India.
- [20]Burugula Sai Sankalp, N Jagan mohan reddy, Boya Pradeep Kumar and Chandra Sekhar Paidimarry, "A Novel FPGA Based Digital Octa-Rate Clock and Data Recovery Circuit" IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia), 27-29 November, 2015, Hyderabad, India.
- [21] Tepoju Vivek Vardhan, Bandi Neeraja, Boya Pradeep Kumar and Chandra Sekhar Paidimarry, "Implementation of Turbo Codes using VERILOG HDL and Estimation of its Error Correction Capability" IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia), 27-29 November, 2015, Hyderabad, India.
- [22] Hariprasad Naik and Chandra Sekhar Paidimarry, "Analysis of Electromagnetic Wave using Explicit FDTD in TM Mode with Extrapolation," 1<sup>st</sup> International Conference on Microelectronics, Computing and Communication Systems (MCCS-2015), 14-15 November, 2015, Ranchi.



- [23] M. Ramana Reddy, N.S Murthy Sharma and P. Chandra Sekhar, "A 3-10 GHz Low Power, Low Noise Amplifier with 90nm, 1.2V standard CMOS Technology" IEEE International Conference on Electrical, Computer and Communication Technologies, 05-07, March 2015, SVS College of Engineering, Chennai.
- [24] Hariprasad Naik and Chandra Sekhar, "Wave Analysis using Rotated Explicit FDTD in TM Mode with Extrapolation" 3rd International Conference on Electronics and Communication Systems (ICECS-2016), Coimbatore, Tamilnadu, India
- [25] Srinivas Rao Gandham, Boya Pradeep Kumar, Thogaru Abhishek Reddy and Chandra Sekhar Paidimarry, "Analysis of Finite Difference Time Domain (FDTD) algorithm with an Additive source using Verilog Hardware Description Language" 3rd International Conference on Electronics and Communication Systems (ICECS-2016), Coimbatore, Tamilnadu, India
- [26] B Sirisha, P Chandra Sekhar, A S C Sastry and B Sandhya, "Inclination from Conventional to Contemporary Image Alignment Techniques in Remote Sensing" Indiacom-2016, 16th – 18th March, 2016, IEEE Delhi, Bharatiya Vidyapeet's Institute of Computer Applications and Management, New Delhi.
- [27] Sreehitha Ghuguloth, Sowmya Todima, Sumanjali Pasthan, Boya Pradeep kumar and Chandra Sekhar Paidimarry, "Design of PRN Based Octa-Rate Clock And Data Recovery Circuit Using FPGA" International Conference on Signal and Information Processing (IconSIP-2016), 6-8 October 2016, Nanded, Maharashtra, India
- [28] Srinivas Rao Gandham, Karthik Bodireddy, Boya Pradeep Kumar and Chandra Sekhar Paidimarry, "A Novel Implementation of FPGA Based Finite Difference Time Domain (FDTD) Technique for Two Dimensional Objects", 1st International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering, 25 -27 November 2016 - Voila Bagatelle, Mauritius.
- [29] Hariprasad Naik and Chandra Sekhar, "Analysis and Delay modeling of On-Chip RGLC Interconnect with Transient and S-parameters", International Conference on Engineering and Technology, December 16<sup>th</sup> and 17<sup>th</sup> 2016, Coimbatore, India.
- [30] Kalyani Pala, Satish Kumar and Chandra Sekhar Paidimarry "Design of Subthreshold Adiabatic Logic based Combinational and Sequential Circuits", International Conference on Emerging Trends & Innovation in ICT (ICEIL-2017), 03 – 05 February 2017, SHERATON GRAND

### **National Conference Papers**

- [1] A. R. Saravanan, P. Chandrasekhar, et al, "Design of Solid State Flight Recorder," ICSCI – 2004, 12<sup>th</sup> to 15<sup>th</sup> December, 2004.
- [2] A. R. Saravanan, P. Chandrasekhar, et al, "Design of Speech Code using Programmable System On Chip," MobiCom Net-2004, Vellore Institute of Technology, Vellore, 30<sup>th</sup> September – 4<sup>th</sup> October, 2004.
- [3] T. Kranthi Kumar, P. Chandrasekhar, et al, "Hardware implementation of True Random Number Generator," ICSCI – 2005, 6<sup>th</sup> – 9<sup>th</sup> January, 2005.

- [4] T. Kranthi Kumar, P. Chandrasekhar, et al, "Development of Embedded System using Soft Processor", ICSCI – 2005, 6<sup>th</sup> – 9<sup>th</sup> January, 2005.
- [5] Rajendra Naik, Rameshwar Rao, P Chandrasekhar, "Full Custom IC Design of 4-bit Booth Multiplier," in National Symposium on Nano-electronics, Vaagdevi College of Engineering, Warangal, 15 December, 2007.
- [6] Rajendra Naik, Rameshwar Rao, P Chandrasekhar, "Mobile Location Estimation in GSM Network using E-OTD Method," in National Conference on Wireless Technologies 2008, Adhiparashakthi College of Engineering, Melmaruvathur, 6-7 February, 2008.
- [7] Rajendra Naik, Rameshwar Rao, P Chandrasekhar, "Discrete Wavelet Transform Based Text Isolation and Recognition," in National Conference on Advanced Communication Techniques-2008, A.C. College of Engineering & Technology, Karaikudi, 19-20 March, 2008.
- [8] G. V. Diwakar, P. Chandrasekhar, et al, "[Design of VME Based Single Board Computer](#)," in AITCA – 08, PSNA College of Engineering Architecture, Coimbatore, Tamilnadu.
- [9] G. V. Diwakar, P. Chandrasekhar, et al, "[VME Bus](#)," in ISTE DAY 2008, Netaji Subhash Institute of Technology, New Delhi.
- [10] D. Ravi and P. Chandrasekhar, "Analysis of Microstrip Circuits using PML-FDTD Technique," IEEE Conference ACNCN – 2012, March 17<sup>th</sup> – 18<sup>th</sup> 2012.

#### **Dr.B.Rajendra Naik Publication Details**

#### **Proceedings for National & International Conferences:**

1. Sudheer Kumar Yezerla, **B.Rajendra Naik**, "Design and Estimation of delay, power and area for Parallel prefix adders" presented in international Conference on Recent Advances in Engineering and Computational Sciences (RAECS 2014) March 6-8 2014 UIET Panjab University Chandigarh, India.
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