

List of Publications

Department of Electronics and Communication

Engineering

GMR Institute of Technology, Rajam – 532127

Affiliated to JNTU-K, Kakinada

Andhra Pradesh, India

	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
National Conference	05	05	04	01	04	11	00
National Journal	00	01	01	01	00	0	00
International Conference	03	04	08	01	04	11	02
International Journal	00	00	00	00	02	14	03
Total Publications	08	10	13	03	10	36	05

2005-06

National Conferences:

1. Mr.G.Manmadha Rao and V.Jagan Naveen, **Isolated Word Recognition using Vector Quantization and Hidden Markov Models**, RACE-05(National Conference), SRKR Engg College,24th&25th Jun05
2. Mr. G.Manmadha Rao, **Waveform Modeling for High Performance RADAR Systems**, NCSC-06(National Conference, College of Engg. Bhubaneswar24-26 Mar 06,
3. Mr.V.Jagan Naveen, **performance of Non-Gaussian / Nonlinear Sysems Using Particle Filters**, NCSC-06(National Conference, College of Engg. Bhubaneswar24-26 Mar 06,
4. Mr. D.Tirumala Rao, **Simulation of CDMA System**, RACE-05(National Conference), SRKR Engg College,24th&25th Jun05
5. Mr.D.Tirumala Rao, **Progressive bounds on New Quality Factor Comparative Study of Coded Value**, NCSC-06(National Conference, College of Engg. Bhubaneswar24-26 Mar 06,

2005-06

National Journals:

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2005-06

Inter National Conference:

1. Mr.G.Manmadha Rao and Mr.V.Jagan Naveen, "**Peak to Average Power Control in OFDM using multiple signal representation**", ICSCI-06(International Conference), Pentagram Research Center,04-08 Jan06
2. Mr.D.Tirumala Rao, "**Performance Analysis of RADAR Signals**", ICSCI-06(International Conference), Pentagram Research Center, 04-08 Jan06
3. Mr. M.V.Nageswara Rao, "**Performance of Non-Gaussian / Nonlinear Systems Using Particle**", NCSC-2006 (Inter national Conference) Bhubaneswar, Orissa, 24-26March, 2006

2005-06

Inter National Journals:

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2006-07

National Conferences:

1. Mr. P.M.K.Prasad, **Side lobe cancellation using pade approximation technique**, Zonal seminar on Emerging Communication Technologies (SECT '07) , IETE visakhapatnam, Centre, 10-11 Feb 2007
2. Mr. G.Manmadha Rao, **Stepped LFM and NLFM Waveform Comparative Studies for Range-resolution Radar**, Zonal seminar on Emerging Communication Technologies (SECT '07), IETE, Visakhapatnam centre during 10-11 Feb'07
3. Mr. V.Jagan Naveen, **V-blast architecture for wireless communications in Multipath environment**, SECT-07 (Zonal seminar on Emerging communication Technologies), IETE visakhapatnam, Centre, 10-11 Feb 2007
4. Mr. D.Tirumala Rao, "**Performance Analysis of chu and Frank sequences for range resolution Radar**", SECT-07 (Zonal seminar on Emerging communication Technologies), IETE visakhapatnam, Centre, 10-11 Feb 2007

5. Mr. M.V.Nageswara Rao, "**Ternary pulse compression sequence using Logistic Algorithm Approach**", SECT-07 (Zonal seminar on Emerging communication Technologies), IETE visakhapatnam, Centre, 10-11 Feb 2007

2006-07

National Journals:

1. Mr. V.Jagan Naveen, "**New figures of merit for Range-resolution Radar using Hard and soft decision concepts**", WSEAS Transactions of Signal Processing, Issue.3 Vol.3 ISSN (1790-5022), March 2007

2006-07

Inter National Conference:

1. Mr. P.M.K.Prasad, Mr.M.V.Nageswara Rao and Mr.G.Manmadha Rao, **MIMO-OFDM Channel estimation using special training sequences**, ICSCI-07(International Conference), Pentagram Research Center,03-07 Jan07
2. Mr.V.Jagan Naveen, **Performance Study of wireless LAN IEEE 802.11a PHY**, ICSCI-07(International Conference), Pentagram Research center, Hyderabad 03-07January 07
3. Mr. D.Tirumala Rao, **Progressions of binary pulse compression codes**, ICSCI-07(International Conference, Pentagram Research center, Hyderabad 03-07January 07
4. Mr.G.Manmadha Rao, "**Ternary pulse compression sequence generation and its sidelobe reduction techniques**", International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Hyderabad Center,03-07 Jan07

2006-07

Inter National Journals:

Mr.V.Jagan Naveen and Mr. G.Manmadha rao, "New figures of merit for Range-resolution Radar using Hard and soft decision concepts" WSEAS Transactions of Signal Processing, Issue.3 Vol.3 ISSN (1790-5022), March 2007

2007-08

National Conference:

1. Prof B.I.Neelgar, “**Design of Low Power sequential circuits using clock gating**”, National Conference (NCSEC-08), 20-22nd February 2008

2007-08

National Journals:

1. Prof B.I.Neelgar, “**Reduction of power dissipation in sequential circuits**”, Indian Journal of Science and Technology, (vol.3) February 2008

2007-08

Inter National Conference:

1. Mr.V.Jagan Naveen, “**Performance comparasion of wiener filter and CLS filter on 2D signals & Inter carrier interference reduction of ofdm using Kalman filter**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008.
2. Mr.V.Jagan Naveen, “**ICI Cancellation of OFDM using EKF and Inter carrier interference reduction of ofdm using Kalman filter**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008
3. Mr.K.Murali Krishna, “**Performance comparision of wiener filter and CLS filter on 2D signals & inter carrier interference reduction of OFDM using Kalman filter**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008.
4. Mr.K.Murali Krishna, “**ICI cancellation of OFDM using EKF and linter carrier interference reduction of OFDM using Kalman filter**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008
5. Mr.D.Tirumala Rao, “**Complimentary and subcomplimentary pulse compression sequences – Indian MST radar observations**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008
6. Mr.M.V.Nageswara Rao, “**Ternary Pulse compression sequence generation and its sidelobe reduction techniques**”, International Conference on Systemics, Cybernetics and Informatics (ICSCI-08), Pentagram Research Center, Hyderabad, India. 2nd January 2008

7. Prof B.I.Neelgar, “**Analysis o f segmentation of Femur by filtering techniques**”, International Conference on Cognition and Recognition (ICCR), P.E.S college of Engg., Mandya, Karnataka, 10-12th April 2008
8. Prof B.I.Neelgar, “**Reduction of Power Dissipation in Sequential Circuits**”, International Conference on Embedded systems & VLSI design, P.D.V.V.P College of Engineering, Ahmed Nagar, Maharashtra State, 20-21st March 2008

2007-08

Inter National Journals:

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2008-09

National Conferences:

1. Prof B.I.Neelgar, “**Equivalent Network Parameter of a new Radiating Tranducer**”, NSI -33, Andhra University , Visakhapatnam, A.P, DEC 2008

2008-09

National Journals:

1. Prof B.I.Neelgar, “**Analysis o f segmentation of Femur by filtering techniques**”, Indian journal of Science and Technology, (vol.1)No.4 September 2008

2008-09

Inter National Conference:

1. Mr. G.Manmadharao, “**Radar detection using Linear Discrete time frequency modulation (LDTFM)**”, ICSCI -09 (International Conference), Pentagram Research Center, Hyderabad 7- 10th January 2009

2008-09

Inter National Journals:

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2009-10

National Conferences:

1. Mr V.Jagan Naveen, “**Performance analysis of MC-CDMA and OFDM in wireless Raleigh channel in national conference**”, NCASP-09, AU,visakhapatnam,20-21,Nov2009
2. Mr V.Jagan Naveen and Mr.G.Manmadha Rao, “**Performance evolution of active sonar pulse designs for reverberation processing**”, NCASP-09, AU,visakhapatnam,20-21,Nov2009
3. Mr G.Manmadha Rao, “**Radar target detection using LFM chirp**” NCASP-09, AU,visakhapatnam,20-21,Nov2009
4. Mr M.V.Nageswara Rao, and Mr.PMK.Prasad, “**Indian MST radar observations for complementary code sequences**”, NCASP-09, AU,visakhapatnam,20-21,Nov2009

2009-10

National Journals:

-----NIL-----

2009-10

Inter National Conference:

1. Dr. Birendra Biswal, **Adaptive Unscented Filtering Technique and Particle Swarm Optimization for Estimation of Non –stationary Signal Parameter**, The 4th IEEE International Conference on Industrial Electronics and Applications, (ICIEA 2009), CHINA
2. Dr. Birendra Biswal and Mr.M.V.Nageswara Rao, “**TT-ACO based Pattern Classifier**” The 1st IEEE International Symposium on Biologically Inspired Computing and its Application, (BICA-09),BBSR
3. Dr. Birendra Biswal, “**Power signal classification using Adaptive wavelet Network**”, The 4th IEEE International Conference on Industrial Electronics and Applications, (ICIEA 2009),CHINA
4. Mr.M.V Nageshwar rao, **Detection of radar signal in the presence of compound Gaussian clutter with additive white noise using general likelihood ratio test**, (ICSCI-2010), Pentagram Research Centre, Hyderabad,January27-30,2010

2009-10

Inter National Journals:

1. Dr. Birendra Biswal, **Non-stationary power signal classification using local linear radial basis function neural Networks**", International Journal of Knowledge-based and Intelligent Engineering System (KES), Vol 13, No 2, pp.79-90, 2009
2. Dr. Birendra Biswal, "**Power quality time series data mining using S-Transform and Fuzzy expert system**", International Journal of Applied Soft Computing in Elsevier Science, Vol 10, issue 3, pp.945-955 June 2010

2010-2011

International Journals:

1. Prof B.I.Neelgar published a paper in International journal titled "**Impedance Characteristics of Log Periodic Antenna**"- International Journal of Computer Applications (0975 – 8887) Volume 21– No.1, May 2011.
2. Dr.Birendra Biswal published a paper in International journal titled "**Time Frequency Analysis and FPGA implementation of Modified S-Transform for De-noising**"- International Journal of Signal Processing, Image Processing and Pattern Recognition, Volume 4, No.2, May 2011.
3. Sri V.Jagan Naveen, **ICI Reduction using Extended kalman filter in OFDM system**, International Journal of Computer Applications (0975 – 8887) Volume 17– No.7, March 2011.
4. Prof.B.I.Neelgar, **Impedance Characteristic of Yagi-Uda Antena**, International Journal of Electronics and communication Engg ISSN 0974-2166, Volume 4, Number 1(2011), pp 115- 130 April 2011.
5. Sri .T.Prabhakar & Sri PMK Prasad, **Free Inter-band Aliasing Subband Adaptive Filtering with Critical Sampling Filter bank Analysis**, International Journal of Computer Applications (0975-8887) Vou.:12, January 2011.
6. Sri V Jagan Naveen, **Performance Analysis of MC-CDMA and OFDM in Wireless Rayleigh Channel**, International Journal of Advanced Science and Technology Vol25, December 2010.
7. Sri V.Jagan Naveen, Sri T Prabhakar, Sri JV Suman and Sri P.Devi Pradeep, **Noise suppression in speech signals using adaptive algorithms**, International

Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP)
Vol:03,No.3, pp.87-96, September 2010.

8. Sri L GovindaRao, **A Comparison of look up table based sine wave Generation Implementations**, International Journal, INESC-porto.
9. Dr B Biswal, **A Hybrid ant colony optimization technique for power signal Pattern classification**, International Journal of Expert Systems with Applications, Vol 38, issue 5, pp 6368-6375, May 2010.
10. Sri.G.Manmadha Rao, **New approach to MFR Design with an Alpha Beta filters of Smart Home**, Volume-5 No.1, 2011. Science and Engineering support Society, Republic of Korea.
11. Sri V.Jagan Naveen, **Performance analysis of equalization techniques for MIMO OFDM in Wireless Communication**, International Journal of Smart Home Vol.4, No.4, October, 2010, SERSC-Oct 2011, Republic of Korea.
12. Prof.M.V.nageswara Rao, **Design of Discrete Frequency Coded Sequences using PSOCM for Target Detection with CAF**, Radio Engineering, Vol 20, No.1, April 2011.
13. Prof M.V.Nageswara Rao, **Design of Ternary Sequences using PSOCM for Target Detection with CAF**, CiiT International Journal of Wireless Communication, Vol.03, No.3, March 2011.
14. Prof M.V.Nageswara Rao, **Target Detection with Cross Ambiguity Function using Binary Sequences with high Discrimiation**, International Journal of Computer Applications (0975-8887) Vol.:16, No.4, February 11.

2010-2011

National Journals:

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2010-2011

International Conferences:

1. Sri D.Srinivasa Rao presented paper in International conference paper titled “ **Image Enhancement using Integer Sequences based Windows**” at Kongu Engineering College, 27th to 29th Dec 2010.

2. Prof B Biswal presented a paper in International Conference titled "**Power Signal classification using local linear neural networks**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
3. Prof B Biswal presented a paper in International Conference titled "**Use of Change Dection in Pattern Recognition using support Vector Machine and Moving Sum Average Filter**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
4. Prof B Biswal presented a paper in International Conference titled "**A Soft Computing Approach for Nonlinear Time Series Analysis and Prediction**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
5. Prof B I Neelgar, MS SSD Kameswari presented a paper in International Conference titled "**Hybrid Image Compression using DWT and Neural Networks**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
6. Sri PMK Prasad presented a paper in International Conference titled "**Directional Filter Design with subband coding for Image Processing Application**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
7. Sri PMK Prasad presented a paper in International Conference titled "**Image denoising using Moving window-based Double Haar Wavelet Transform**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
8. Sri T.Prabhakar presented a paper in International Conference titled "**Land Use and Land Cover Classification Using Remotely Sensed Image**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
9. Sri T.Prabhakar and SMt G Vijayasanthi presented a paper in International Conference titled "**Dynamic Compression Technique for Multimedia Applications**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
10. Sri P.Devi Pradeep presented a paper in International Conference titled "**Optimised FPGA Design of Entropy Decoding for H.264/Advanced Video coding**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.
11. Mr V Jagan Naveen and Mr J V Suman presented a paper in International Conference titled "**Maximum likelihood frquency estimation for C-OFDM system**" at MIPSCCON-2011, GMR Institute of technology, Rajam, Srikakulam District.

2010-2011

National Conferences:

1. Sri B.Ravi Kiran, Ms A.L Prasanthi, Sri T Prabhakar and Smt G Vijayasanthi presented a National Conference paper titled " **Analysis of Parabolic Reflector for its Effective Design**" at Vijnan's Lara Institute of Technology & Science, Vadlamudi-522213, Guntur District during 29th & 30th April 2011.
2. Dr B Biswal, Prof M V Nageswara rao & Sri K Krishna Kishore presented a National conference paper titled "**Binary sequence Design by using Modified Genetic Algorithm**" Siksha O Anusandan Univerisity , 1st -2nd Oct 2010.
3. Sri T Prabhakar, Ms AL Prasanthi, Smt T Geetamma and Sri GBSR Naidu presented a National conference paper titled "**Analysis and Design of Versatile Antennas**" at ANITS, Visakhapatnam 13th & 14th Nov 2010.
4. Sri L Govinda Rao and B Anil Kumar presented a National conference paper titled "**FPGA Implementation if Novel Reactive Power Meter**" at ANITS, Visakhapatnam 13th & 14th Nov 2010.
5. Sri D.Srinivasa Rao presented a National conference paper titled "**Study and Design of LMS Algorithm for Adaptive Array PProcessing**" at ANITS, Visakhapatnam 13th & 14th Nov 2010.
6. Prof M.V.Nageswara Rao presented a National conference paper titled "**A Comparative study of Detection capabilities of LFM and COSTAS sequences using Cross Ambiguity function Technique**" at GITAM University, Visakhapatnam 3rd and 4th Dec 2010.
7. Sri T Prabhakar, Ms AL Prasanthi, Smt G Vijayasanthi and SSD Kameswari presented a National conference paper titled "**Wavelet Based Multi sensor Image Fusion**" at GITAM University, Visakhapatnam 3rd and 4th Dec 2010.
8. Sri L Govinda Rao, B Anil Kumar, Smt T Geetamma and Sri GBSR Naidu presented a National conference paper titled "**Design and Implementation of a Novel16 Tap FIR Filter**" at GITAM University, Visakhapatnam 3rd and 4th Dec 2010.
9. Sri B.Ravi Kiran presented a National conference paper titled "**Design of 2/2 Sier Pinski Gasket usig prefractal Antenna Array**" at GITAM University, Visakhapatnam 3rd and 4th Dec 2010.
10. Sri PMK Prasad presented a National conference paper titled "**Derivative Operators Approach for Edge Feature Extraction**" at GITAM University, Visakhapatnam 9th & 10th Dec 2010.

11. Prof.B Biswal presented a National conference paper titled “**S Transform Based Pattern Classifier for Stationary Signals**” at India conference organized by IEEE Calcutta section and IEEE india.

2011-12

International Journals:

1. Prof.B.I.Neelgar published a paper titled “**Radiation and Gain Characteristics of Log Periodic Antenna**” in the International Journal on Communications Antenna and Propagation (IRECAP), ISSN 2039 – 5086, Vol.1, N.3.
- 2.T.Prabhakar, A.L.Prasanthi and G.Vijayasanthi published a paper titled “**Design and Analysis of Parabolic Reflector with High Gain Pencil Beam and Low side lobes by Varying feed**” International Journal Advanced Networking and Applications Volume: 03, Issue: 02, Pages: 1105-1115 (2011).
- 3.Sri V.Jagan Naveen published a paper titled" **Generation of Nakagami Fading Signals with arbitrary correlation and fading parameters**" in the International Journal of Future generation communication and networking published by SERSC, Korea, Volume 4, No.2, June 2011 pages 49 - 68.

National Journals:

-- NIL --

International Conferences:

- 1.Mr.K Krishna Kishore presented a paper titled " **Design of Radar Waveform for Multi Target Detection**" at International conference on Technology and Innovation ICTI 2011 at Green Park, Chennai on 26th July 2011.
- 2.T.Prabhakar presented a paper titled “**Closed Planar Shape classification using non-linear alignment**” at the IEEE international conference on Recent Advances in Intelligent Computational Systems , September 22-24, 2011 Thiruvanthapuram, India.

National Conferences:

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