

## List of International level Seminars/Conferences attended

### 2008

1. N.Padmaja, P.Srinivasulu, S.Varadarajan., “Correlation Analysis of the Spaced Antenna,” in the proceedings of the International Conference on Sensors, Signal Processing, Communication, Control and Instrumentation, Vishwakarma Institute of Technology, Pune, India, pp. 562-567, 3<sup>rd</sup> -5<sup>th</sup> January’ 2008.
2. K. Ramani, E.V.Prasad, S. Varadarajan, A. Subrahmanyam, “A robust watermarking scheme for information hiding”, in the proceedings of the 16<sup>th</sup> International Conference on Advanced Computing and Communications, 2008. ISBN: 978-142442963-9
3. T.S.Reddy, G.R.Reddy, S.Varadarajan, “Reduced variance spectral estimation through overlapped filter banks”, International Conference on Electronic Design, ICED 2008; Penang; Malaysia, ISBN: 978-142442315-6

### 2009

4. J.L Mazher Iqbal, S. Varadarajan, Performance Improvement in Reconfigurable Computing Systems, International Conference on Sensors, Security, Software and Intelligent Systems (ISSIS 2009), Coimbatore Institute of Technology, Coimbatore and Oklahoma State University USA, pp. VLSI | 29-35, 8 - 10, January 2009.
5. Shaik Rafi Kiran, S.Siva Naga Raju, S.Varadarajan, E.AnantShankar, ”Suppression of Sinusoidal Interference Using System Identification”, International conference on signals, systems and communication (ICSSC 2009), Dec 21-23,2009.
6. PolaiiahBojja, Abraham, S.Vardarajan,.M.N.Giri Prasad “Fuzzy Logic Basis Function of PID Controller on Tuning Conventional Controller for Non-linear System”, International Conference on Signal and Image processing VVOET,Mysore, August,2009, PP:399-344.

### 2010

7. Mr.PolaiiahBojja, Mr.Abraham, Dr.S.Vardarajan, M.N.Giri Prasad, ”Experimental Comparison of Advance Control Strategies Which Uses pattern recognition Technique for Mathematical Model of Non-Linear System” *IEEE*, Int. Conf. on Mathematical and Computer Science, Research Dept. of Mathematics,Loyola college, Chennai, Jan,2010, PP:283-288. ISBN: 978-1-4244-6006-9.
8. K. Ramani, E.V.Prasad, S.Varadarajan, “Protecting Digital Images Using DTCWT-DCT”, International Conference on Information and Communication Technologies, ICT 2010, Kochi, 2010. **Springer** book of Communications in Computer and Information Science book series (CCIS, volume 101) Pages 36-44. ISSN: 18650929, ISBN: 978-364215765-3.
9. Mr.PolaiiahBojja, Mr.Abraham, Dr.S.Vardarajan, Dr.M.N.Giri Prasad “Experimental Comparison of Advance Control Strategies Which Uses pattern recognition Technique

for Non-Linear System” The 2nd International Conference on Machine Learning and Computing-2010,Bangalore, India, Feb. 2010, PP:142-146. ISBN: 978-076953977-5.

10. Mr.PolaiahBojja, Mr.R.Rammohan, S.Vardarajan,.M.N.Giri Prasad “Fuzzy Logic Based on Image Fusion for Medical Application”, Int. Conf. on Instrumentation Instrumentation Society of India, IISc, Bangalore, Jan,2010,PP:23-24.
11. Mr.PolaiahBojja, Mr.Abraham, Dr.S.Vardarajan, Dr.M.N.Giri Prasad, “Neural Network Based Self-Tuning of PID Controllers Which Uses Pattern Recognition Technique for Non-Linear System”, Int. Conf., on ICI-2009, Instrumentation Society of India, IISc, Bangalore, Jan, 2010, PP: 155-156.
12. Polaiahbojja, Prakash, Vardarajan, Giri Prasad, “Evaluation and tuning of genetic algorithm based PID Controller for Non-Linear systems”, Int. Conference on Systems Dynamics and Control, ManipalUniversity, Manipal, August 2010.

## 2011

13. PolaiahBojja, Rohith, Varadarajan, “Performance evaluation of PID controller with Fuzzy PID for Non-Linear process plant”,Int. Conference on PACC2011, 20-22 July, 2011.
14. K.S.Sagar Reddy, S.Varadarajan, “Increasing quality of service using swarm intelligence technique through bandwidth reservation scheme in 4G mobile communication systems”, IET Conference Publications, International Conference on Sustainable Energy and Intelligent Systems, SEISCON 2011; Chennai, ISBN: 978-938043000-3.
15. N.Padmaja and S.Varadarajan, “Empirical mode Decomposition of Radar signals” in the Proceedings of the International Conference on Control Communication and Computer Technology, New Delhi, India, pp. 281-285, 6th -7th August’ 2011.
16. Attended and Presented paper in International Conference on “Dual-Hop OSTBC Transmissions over Fading Channels under Receiver Phase Noise for Regenerative Systems“in ICECE, dated on 12-Nov-2011, Hyderabad.
17. Attended and Presented paper in International Conference on “Resource Allocation for Downlink MIMO-OFDMA-CDM Systems under Phase Noise “in IJCICT, dated on 22-Sep-2011, Mumbai.

## 2012

18. A.Maheswara Rao, S.Varadarajan M.N.Giriprasad, “Analysis of Channel Conditions Based On Bandwidth and Fairness Of 802.16 WiMAX Networks”, *IEEE* International Conference on Advances in Engineering, Science and Management (*IEEE-ICAESM* 2012) Organised by EGS Pillay Engineering College, Nagapattinam, India, held on march 31st, 2012. ISBN: 978-146730213-5

19. A.Maheswara Rao,S.VaradarajanM.N.Giriprasad ,”A Channel State Analysis of ARS and CRAS of 802.16 WiMAX Networks”, *IEEE* International Conference on “Innovation in Electronics and Communication Engineering (ICIECE-2012)” organized by Gurunanak Institute of Technology,Hyderabad, held on July 21st,2012.
20. Dola Sanjay S, Prof. S Varadarajan, “Implementation of Conducted Emission and Conducted Susceptibility of Pressure Sensor”, ICIECE-2012, ISSN: 2249-9946, pp. 38, Jul.2012, Indexed in Scribd, Google scholar, Easychair
21. Attended and Presented paper in International Conference ‘Performance Analysis of Dual-Hop OFDM Relay Systems with Subcarrier Mapping’ in ICECS, dated on 16-Dec-2012, Nagpur.
22. M. Sadasiva, D. Srinivasulu Reddy, Prof. S. Varadarajan, “A New Wiener Filter based Denoising Scheme using Hyperanalytic Wavelet Transform”, International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT-2012), Dec-2012, pp. 77-80.
23. A.Maheswara Rao,S.VaradarajanM.N.Giriprasad , “Cross-Layer Based QoS Routing (CLBQR) Protocol Analysis based on Data Flow for 802.16 WiMAX Networks” selected for fourth international conference on Advances in Recent Technologies in communication and Computing – ARTCom 2012, Bangalore, India, held on October 19-20, 2012. ISBN: 978-1-84919-929-2.

## **2013**

24. N.Padmaja and S.Varadarajan, “Analysis of Atmospheric Radar echoes using Wavelets and EMD” in *IEEE* International Conference on Smart Structures and Systems, Saveetha Engineering college, Chennai, India, pp. 98102, 28th -29thMarch’ 2013, ISBN: 978-1-4673-6240-5.
25. D.S.Reddy, S.Varadarajan, M.N.Giriprasad, M.Sadasiva, “A novel approach to image denoising using Diversity Enhanced Wavelet Transform” *IEEE* International Conference on Advanced Computing Technologies, ICACT, Sept.2013, Rajampet; ISBN: 978-146732818-0.
26. S. Venkatesulu, S. Varadarajan, M.N.Giri Prasad, S. Thenappan, “Printed elliptical planar monopole patch antenna for wireless communications” *IEEE* International Conference on Green Computing, Communication and Conservation of Energy, ICGCE, December 2013, pages 314-319, ISBN: 978-146736125-5.
27. N. Ramamurthy, S.Varadarajan, “Minimization of effect of various attacks on watermarked images using fuzzy logic approach”, 7th International Conference on Intelligent Systems and Control, ISCO, Jan-2013, Coimbatore. ISBN: 978-146734601-6.
28. D.Leela Rani, M.Sadasiva, S.Varadrajana, “MST Radar Signal Processing Using Analytic Wavelet Transform”, 2nd International Conference on Advanced Computing

Methodologies (ICACM-2013), at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, on 2–3, Aug, 2013.

## 2014

29. N.Padmaja, S.Varadarajan, “Performance Analysis of Atmospheric Radar Echoes using Matched Filter” accepted for presentation in *IEEE* International Conference, SPIN-2014 on Signal Processing and Integrated Networks Amity School of Engineering & Technology, Amity University , Noida, New Delhi, India, 20th -21st February’ 2014. ISBN: 978-147992866-8
30. N.K.Chaitanya, S.Varadarajan, P.Sreenivasulu, “Adaptive multi-path routing for congestion control” *IEEE* International Advance Computing Conference, IACC 2014; Gurgaon, Feb-2014. ISBN: 978-1-4799-2572-8
31. K.Sujatha, S.Varadarajan, “Dual hop OSTBC transmission over fading channel: Simulation results” *IEEE* International Conference on Communication and Signal Processing, ICCSP 2014; Adhiparasakthi Engineering College Melmaruvathur; April-2014, ISBN: 978-147993358-7
32. K.Sujatha , Dr. S.Varadarajan “ Dual HoP OSTBC Transimission over Fading Channel : Simulation Results.” International Conference on Communcation and Signal Processing, April 3-5 2014 India.

## 2015

33. Mr. Gowtham Prasad TVS, Dr. S Varadarajan, “A Novel Hybrid Audio Steganography for Imperceptible Data Hiding”, presented and published in Conference proceedings 4th *IEEE* International Conference on Communications and signal processing (ICCSP-2015) and published in *IEEE* Explore, 2-4 April, 2015
34. S. Thulais Prasad, S. Varadarajan “P and T Wave Detection Based on Hilbert Transform” Proceedings of International Conference on Emerging Trends in Engineering Research ISBN: 978-1511885-040.
35. Mr. T.V.S. Gowtham Prasad, Dr. S Varadarajan, “A Novel High Payload Video Steganography with Improved Security”, Presented and Published in International Conference on Telecommunication Technology and Management (ICTTM-2015) proceedings organized by IITD, New Delhi, 11-12 April, 2015.

## 2016

36. S. Thulasi Prasad and S. Varadarajan , Proceedings of the International Conference on Soft Computing Systems, **Springer** Publications, "Analysis of ST/QT Dynamics Using Independent Component Analysis" ISBN: 978-81-322-2669-7

37. S.Thulasi Prasad, S.Varadarajan, "Classification of ST-segments in ECG using ICA and Triangle method" *IEEE International Conference on Communication and Signal Processing*, ICCSP 201622 November 2016. ISBN: 978-150900396-9
38. P.Lakshmi Devi, S.Varadarajan, "Image Processing of natural calamity images using healthy bacteria foraging optimization algorithm" **Springer Verlag** International Conference on Computer and Communication Technologies, IC3T 2015; Hyderabad July-2015. ISBN: 978-813222522-5
39. S.Venkatesulu, S.Varadarajan, M.Sadasiva, A.Chandrababu, L.H.H.Brahma, "Analysis of electromagnetic radiation from cellular networks considering geographical distance and height of the antenna" **Springer Verlag**, International Conference on Information Systems Design and Intelligent Applications, Visakhapatnam, January-2016. ISBN: 978-813222750-2

## **2017**

40. M.Hemalatha,.S.Varadarajan, Y.Murali Mohan Babu, "Comparison of DWT, DWT-SWT, and DT-CWT for low resolution satellite images enhancement", *IEEE Conf.*, International Conference On Algorithms, Methodology, Models And Applications In Emerging Technologies, Feb 2017. ISBN: 978-1-5090-3378-2
41. K. Radhika, S. Varadarajan, "Multi class classification of satellite images", *IEEE International Conference on Innovative Mechanism for Industry Application (ICIMA 2017)* 978-1-5090-5960
42. K. Radhika, S. Varadarajan, "Satellite Image Classification of Different Resolution Images Using Cluster Ensemble Techniques", *IEEE International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET - 2017)*. 978-1-5090-3378-2.
43. M.Hema Latha and Dr.S.Varadarajan, "Low resolution satellite Images contrast Enhancement Using Regularized-Histogram Equalization and DCT", International Conference On Emerging Trends In Engineering Science And Technologies, March 2017
44. M.Hemalatha, Dr.S.Varadarajan and A.V.Kiranmai,"Contrast Enhancement of Satellite Images using Dual-Tree Complex Wavelet Transform Technique", International International Conference On Applied Science Engineering and technology ,October 2016
45. M.Hema Latha,.S.Varadarajan, "Super Resolution of satellite images using wavelet based edge extraction through sparse representation", International Conference On Advanced Communication Systems, October 2017.
46. K. Radhika, S. Varadarajan, "Multi spectral image classification and quality parameters using random forest classifier", ICETEST – 2017. Pp. 130- 134.
47. K. Radhika, S. Varadarajan, "A Random Subspace based classification for change detection of satellite images", ICACS – 2017, SVEW, 89 – 94.

48. K. Radhika, S. Varadarajan, “Multi spectral image classification using cluster ensemble and self-learning”, ICIRET – 2017, BANGKOK.

## **2018**

49. M.Hema Latha, S. Varadarajan, “Feature enhancement of multispectral images Using vegetation, water, and soil Indices Image Fusion”, ISMAC-CVB, *Springer Conference*, May 2018.

## **2021**

50. S. Varadarajan, “16- Bit code for error detection and correction in FPGA” International Conference on “Advances in Signal Processing and Communication Engineering (ICASPACE 2021) during 29 to 31 July, 2021, Department of ECE, Mahatma Gandhi Institute of Technology, Hyderabad