

Details of Paper Publications - Faculty and students

1. K. David Solomon Raj ,Asst. Prof(c) , K. Siva ,PG scholar dept of avionics , “Optimal Sensor Fusion Algorithm For Boost Phase Ballistic Missile Interception” , International conference on Advanced, robotics & sensing (ICAARS-2016)
2. K. David Solomon Raj, Asst. Prof(c) ,I. Sri Satya Ganesh, PG scholar dept of avionics, “Estimation of Line Of Sight Rate in a Homing Missile Guidance Loop Using Optimal Filters “ , International conference on Communication and signal processing 2015, ISBN 978-1-4799-8080-2.
3. K. David Solomon Raj, Asst. Prof(c) , I. Mohan Krishna, PG scholar dept of avionics , “ Kalman Filter Based Target Tracking for Track While Scan Data Processing” , International conference on Electronics and Communication Systems (ICECS 2015), ISBN 978-1-4799-7224-1.
4. Mohammad Riyazuddin, PG scholar dept of Avionics, “Design and Simulation of C-band Microstrip Corporate Feed Array Antenna” , INCEMIC 2015.
5. K. David Solomon Raj ,Asst. Prof(c) , Mannem Siva Mohan ,PG scholar dept of avionics, ” Performance Evaluation of Stability Augmentation System by Various Flight Control Laws” ,International conference on Communication and signal processing 2015 ISBN 978-1-4799-8080-2
6. Yalamati Ramoji Rao, PG scholar dept of avionics, “Formal Architecture Based Design Analysis for certifying SWS RTOS”, International Symposium on Intelligent systems technologies and applications (ISTA’15) , Paper ID :1570115101
7. Bhavani Danana, Balamati Choudhury, and R.M. Jha “Design of high gain Microstrip antenna for THz wireless communications,” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, vol. 3, Special Issue 5, pp. 711-716, 2014
8. Bhavani Danana, Balamati Choudhury, and R.M. Jha “Design of high gain microstrip antenna for THz wireless communications,” International Conference on Emerging Trends in Electrical Systems, Kerala, India, 4 p., December 15th –16th, 2014.
9. Balamati Choudhury, Bhavani D., and R.M. Jha,” PBG based Terahertz Antenna for Aerospace Applications”, Springer Briefs, Springer, (ISBN: 978-981-287-801-4), 2015.
10. P.L.Pratyusha, Department of Avionics, V.P.S.Naidu,” Geo-Fencing for Unmanned Aerial Vehicle”, Multi-sensor Data Fusion (MSDF) Lab, CSIR-NAL International Journal of Computer Applications (0975 – 8887) National Conference “Electronics, Signals, Communication and Optimization” (NCESCO 2015)
11. Srikanth A., L. Krishnamurthy, L.P. Prathyusha and V.P.S. Naidu, “Synthetic Aerial Image Generation for Miniature Aerial System”, Proceedings of International Conference on Trends in Automation, Communication and Computing Technologies (I-TACT-15)

12. Anirudh Indana, Srinivas Mallimoggala, Siva Ganesh G “Model Reference Adaptive Fault Tolerant Flight Control Framework for Structural Damage in Aircraft” IJIREEICE Journal, VOLUME 5, ISSUE 8, August 2017, DOI: 10.17148/IJIREEICE.2017.5823
13. Asiya Begum Noorbasha, Srinivas Mallimoggala “Framework Development for Hybrid Behavioral Airborne Systems” IJIREEICE Journal, VOLUME 5, ISSUE 9, September 2017, DOI: 10.17148/IJIREEICE .2017.5921.
14. B. Hela Saraswathi, M. Srinivas and VPS Naidu “First Person View: A Laboratory Simulator Setup” Control and Data Fusion e-Journal: CADFEJL Vol. 1, No. 3, pp. 17-24, May-Jun 2017.
15. Dr. Manju Nanda and P. Rajshekhar Rao, “Implementation and verification of an asynchronous FIFO under boundary conditions”, National Conference on Electronics, Signals and Communication” (NCESC-2018), Paper ID: NCESC18-181, Organized by GSSS IETW, Mysore, 17 May 2018.
16. Dr. Manju Nanda, Smt. Jayanthi J. and P. Rajshekhar Rao, “Aerospace Compliant Test Bench to Verify Critical Aerospace Functionalities”,3rd International Conference on Recent Trends in Electronics, Information and Communication Technology (RTEICT-2018), Paper ID: 1007: CRP18-1007, Organized by Department of Electronics and Communication Engineering, SVCE, Bangalore, 18-19 May 2018. IEEE XPLORE COMPLIANT: ISBN: 978-1-5386-2440-1 | PRINT: ISBN: 978-1-5386-2439-5.
17. Dr. Manju Nanda and P. Rajshekhar Rao, “An Approach for Generating Self-Checking Test Bench”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Paper ID: IJRASET17914, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue VI, June 2018.
18. Dr. Manju Nanda and P. Rajshekhar Rao, “Aerospace Data Bus Safety Criteria as Per DO-254” International Journal of Research and Innovation in Applied Science (IJRIAS) | Volume III, Issue VI, June 2018|ISSN 2454-6194.
19. Dr. Manju Nanda and P. Rajshekhar Rao, “A Procedure to Verify and Validate an FPGA Level Testing as per DO-254” International Journal of Research and Innovation in Applied Science (IJRIAS) | Volume III, Issue VI, June 2018|ISSN 2454-6194.
20. Dr. Manju Nanda and P. Rajshekhar Rao, “Verification Cases and Procedure for IP-core Development” International Journal of Engineering Research and Advanced Technology (IJERAT) ISSN: 2454-6135.
21. P. Rajshekhar Rao, Manju Nanda Dr. “Procedure for Verification and testing of Critical Functionalities under Reset Condition ” 7th International Conference on Innovation in Electronics and Communication Engineering (ICIECE-2018), SPRINGER publication. Under conference Process
22. P. Rajshekhar Rao, Manju Nanda Dr, “Increasing the Verification analysis using tool assessment as per DO-254” 7th International Conference on Innovation in Electronics and

Communication Engineering (ICIECE-2018), SPRINGER publication Under conference Process.

23. Rajani J. and VPS Naidu, "Bearing Health Condition Monitoring using Time Domain Analysis & SVM", Control and Data Fusion e-Journal, Vol. 1, No. 5, pp. 02-11, ISSN: 2581-5490, Sep-Oct 2017.

24. Rajani J., "Engine Health Condition Monitoring- A brief Review", Control and Data Fusion e-Journal, Vol. 1, No. 5, pp. 25-38, ISSN: 2581-5490, Sep-Oct 2017.

25. Rajani J. and VPS Naidu, "Bearing Fault Diagnosis using DWT & SVM", National Conference on Electronics, Signals and Communication" (NCESC-2018), Paper ID: NCESC18-80, Organized by GSSS IETW, Mysore, 17 May 2018, Published in IJERT (www.ijert.org), Volume 6, Issue 13, ISSN: 2278-0181, Special Issue, 2018. (Got best paper award).

26. Rajani J., M. Srinivas and VPS Naidu, "Gearbox Health Condition Monitoring: Vibration Analysis", National conference on VLSI Design, Signal Processing, Image Processing, Communication & Embedded Systems (NCVSPICE-2018), ISBN: 978-93-85100-99-4, pp. 68-71, JNTUK, Kakinada, 19-20 July, 2018 (Got best paper award).

27. Srinivas Mallimoggala, P. Rajshekhar Rao, "Procedure for Verification and Testing of Critical Functionalities for an IP Core under Reset Condition", 3rd International Conference on Innovations in Electrical & Electronics Engineering (ICIEEE- 2018), ISBN: 978-93-85101-58-8.

28. Srinivas Mallimoggala, Ravi Tej Nulu "Detecting Trojans and Enhancing Security of Safety Critical IP Cores", IJIREEICE Journal ,Vol. 6, Issue 9, September 2018, DOI 10.17148/IJIREEICE.2018.694