

## International Conferences

1. Abhishek MB, N.Shekar V.Shet, "Data Transmission Unit and web server interaction to monitor water distribution: A cyber physical system perspective", 4th International Conference on Earth Sciences and Engineering, Andalas University, Padang , Indonesia, 29-31 August 2017.
2. Puneeth Kumar and Rekha S., "Fast startup Crystal Oscillator Design", IEEE International Conference on Energy, Communication, Data Analytics & Soft computing (ICECDS)-2017, SKR Engg. College, Tamil Nadu, August 1st-2nd, 2017.
3. Abhishek Rathan Kumar, Anirudh Birur, Vivek Venkatraman, Sumam David S., Accelerating Real-time Computer Vision Applications using HW/SW Co-design, IEEE International Conference on Computer, Communications and Electronics 2017 (Comptelix 2017), Jaipur, July 2017.
4. Karthik Samtani, Jobin Thomas V, Abhinav Varma, Sumam David S, Deepu S.P., FPGA Implementation of Adaptive Beamforming in Hearing Aids, 39th Annual International Conference of the IEEE Engineering in Medicine and Biology, Jeju Island, Korea, July 2017.
5. N. Ramshanker, Kolla Lakshmi Ganapathi, Shankaranarayana M Bhat and Sangeneni Mohan "RF Sputtered CeO<sub>2</sub> Films For Oxygen Sensing", Eighth International Conference on Smart Materials, Structures & Systems (ISSS), July 5-7, 2017.
6. Alison E. Viegas, Rekha S., Srinivasan Raghavan and Navakanta Bhat, "A novel 3D Capacitor Design using Nanoporous and nanotubular Anodic Oxides", 8th ISSS International Conference on Smart Materials, Structures and Systems, IISc, Bengaluru, July 5-7 2017.
7. Hanumantha Rao G. and Rekha S., "Low Voltage, low power Transconductor for low frequency Gm-C Filters", 21st International Symposium on VLSI Design and Test (VDAT 2017), 29th June - 2nd July 2017, IIT Roorkey.
8. Princy M Paul, K. Krishnamoorthy, and Mohammed S. Sharawi, "SRR Loaded Slot Antenna for Multiband Applications", 2017 IEEE AP-S Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, San Diego, California, USA, July 9-14, 2017.
9. Ragahvendra M A N S; Goutham Simha G D; U. Sripathi. " Non-Orthogonal Full Rank Space-Time Block Codes over Eisenstein-Jacobi Integers for MIMO Systems", International Conferences 4th International Conference on Electronics and Communication Systems (ICECS -17) Year: 2017.
10. Goutham Simha G.D.; Shriharsha Koila; Ragahvendra M A N S, U.Sripathi. "Modified Signal Design for Multistream Spatial Modulation over Spatially Correlated Channels", International Conferences on Advances in Computing, Communications and Informatics (ICACCI). Year: 2017.
11. Ragahvendra M A N S; Goutham Simha G D; U. Sripathi, "Abelian Codes over Eisenstein-Jacobi Integers for MIMO Systems", International Conferences on Advances in Computing, Communications and Informatics (ICACCI) Year: 2017.
12. Ranjan Kumar Mahapatra, N.S.V.Shet, " Topology Control in Wireless Sensor Networks: A Survey" ICIECE, July, 2017.
13. Princy M Paul, K. Krishnamoorthy, and Mohammed S. Sharawi, "Quad Band SRR loaded Square Slot Antenna", THE 9th IEEE GCC CONFERENCE & EXHIBITION, Manama, Bahrain, 8-11 May 2017.
14. Naga Lakshmana Kumar K, Pathipati Srihari, Gnane Swarnadh Satapathi, GVK Sharma " A High Speed Complementary Pulse Compressor and its Implementation of FPGA " accepted for publication in IEEE Radar Conference (Radarcon-2017), Seattle,USA May 8-12, 2017.

15. Sravani K and Rathnamala Rao, "High Throughput and High Capacity Asynchronous Pipeline using Hybrid Logic", Proceedings of International Conference on Innovations in Electronics, Signal Processing and Communication (IESC), April 2017.
16. Baldeo Sharan Sharma and M. S. Bhat, "A Novel Dual-Gate Nano-Scale InGaAs Transistor with modified Substrate Geometry", IEEE International Conference on Innovations in Electronics, Signal Processing and Communication (ICIESC 2017), 6-7 April, 2017, Shillong, Meghalaya - Won the Best Paper Award.
17. Baldeo Sharan Sharma and M. S. Bhat, "Improved Tri-Gate FinFET Transistor with InGaAs", 4th IEEE International Conference on Innovations in Information, Embedded and Communication Systems, 17-18 March, 2017.
18. N. Shekar V. Shet , Naveen Kumar Panguluri, Harsha M P and Abhishek MB, "Wireless Monitoring of Water Resources in a Campus", International Engineering Symposium, Japan, March 2017.
19. Ranjan Kumar Mahapatra, N.S.V.Shet, " Experimental Analysis of RSSI-based Distance Estimation for Wireless Sensor Networks", DISCOVER Pages: 211-215 DOI:[10.1109/DISCOVER.2016.7806221](https://doi.org/10.1109/DISCOVER.2016.7806221), January 2017.
20. Sarwesh P., N. Shekar V. Shet and K. Chandrasekaran, "Energy Efficient and Reliable Network Design to Improve Lifetime of Low Power IoT Networks" IEEE International Conference on Wireless Communications, Signal Processing and Networking, 2017, IEEE.
21. G V S S K R Naganjaneyulu, Ch Sai Krishna and A V Narasimhadhan A Novel Method for Logo Detection Based on Curvelet Transform Using GLCM Features, accepted in CVIP, 2017.
22. Asha C S and A V Narasimhadhan, Evaluation of Feature Channels for Object Tracking in RGB and Thermal Imagery Using Correlation Filter, Accepted in NCC 2017.
23. Jnanesh Somayaji and M. S. Bhat, "Analysis of Implant Parameters in High Voltage TRIPLE RESURF LDMOS for Advanced SoC Applications", 6th IEEE Int'l Symposium on Embedded computing & system Design (ISED), Dec 15-17, 2016.
24. Gnane Swarnadh Satapathi, Pathipati Srihari, "All Neighbor Fuzzy Relational Data Association for Multitarget Tracking in the Presence of ECM" Accepted for paper publication in IEEE INDICON-16, to be held at IISc, Bengaluru during 16-18, December 2016.
25. Seema K., Aparna P., "A Feasible QRS Detection Algorithm for Arrhythmia Diagnosis", International Conference on Advances in Electrical, Electronic and Systems Engineering (ICAEESE 2016), 14-16 November 2016 in Putrajaya, Malaysia.
26. Hari Sankar S., Suraj B., Jayadev K., Aparna P., "A comprehensive solution to road traffic accident detection and ambulance management", International Conference on Advances in Electrical, Electronic and Systems Engineering (ICAEESE 2016), 14-16 November, 2016 in Putrajaya, Malaysia.
27. G V S S K R Naganjaneyulu, Basheeruddin Shah Shaik and A V Narasimhadhan "R Peak Delineation in ECG Signal Based on Polynomial Chirplet Transform using Adaptive Threshold", accepted in ICIS, Oct 2016.
28. Deepu S. P., Sumam David, Ramesh Kini M., Estimation of Attack Time Constant for Dynamic Range Compressors in Hearing Aids, IEEE International Conference on Digital Signal Processing (DSP 2016), Beijing, October 2016.
29. Deepa Puneeth, R Ruthwik, Muralidhar Kulkarni, "Data Aggregation using Compressive Sensing for Improved Network Lifetime in Large Scale Wireless Sensor Networks", International Conference on

Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2016), September 9-10, 2016.

30. Sridhar Reddy N, Jagadish D. N. and M.S Bhat, "A Low-Energy Area-Efficient Dual Channel SAR ADC Using Common Capacitor Array Technique", IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics 2016 (DISCOVER 2016), Aug. 13-15, 2016 - Won the Best Paper Award.
31. Suraj Hebbar, Vinay Kumar, M S Bhat and Navakanta Bhat, "Handheld Electrochemical Workstation for Serum Albumin Measurement", IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics 2016 (DISCOVER 2016), Aug. 13-15, 2016.
32. Suraj Hebbar, Vinay Chauhan, M.S Bhat, Navakanta Bhat, "Smart Handheld Platform For Electrochemical Bio Sensors", 20th IEEE International Symposium on VLSI Design and Test VDAT-2016.
33. Anu Shaju Areeckal, Sumam David, Michel Kocher, Nikhil Jayasheelan, Jagannath Kamath, Fully automated radiogrammetric measurement of third metacarpal bone from hand radiograph, IEEE Signal Processing and Communication (SPCOM 2016), IISc Bangalore, June 2016.
34. Chandra Shaker Balure, Ramesh Kini M., Depth Image Super-Resolution: A Review and Wavelet Perspective, CVIP 2016, IIT Roorkee, Uttarakhand.
35. Sourabh Malpani, Asha C S and A V Narasimhadhan "Thermal Vision Human Classification and Localization using Bag of Visual Word" Accepted in Tencon 2016.
36. Nagaraj Y, Asha C S and A V Narasimhadhan "\Assessment of Speckle Denoising in Ultrasound Carotid Images using Least Square Bayesian Estimation Approach" Accepted in Tencon 2016.
37. G V S S K R Naganjaneyulu, and A V Narasimhadhan "A Multi Clue Heuristic Based "Algorithm for Table Detection" Accepted in Tencon 2016.
38. G V S S K R Naganjaneyulu, and A V Narasimhadhan "A Novel Method for Pitch Detection via Instantaneous Frequency Estimation using Polynomial Chirplet Transform" Accepted in Tencon 2016.
39. Sourabh Malpani, Anu Shaju Areeckal and A V Narasimhadhan "Multi-Class Object Categorization based on Binary Descriptor" Accepted in ICECS-2016.
40. Asha C S , and A V Narasimhadhan "Adaptive learning rate for visual tracking using correlation lters" in the proceedings of ICISP-2016.
41. Narendera Singh Pal, Shyam Lal and Kshitij Shinghal, "An Improved Method for Visibility Enhancement of Foggy Images", Proc. of IEEE International Conference on Emerging Trends in Electrical, Electronics & Sustainable Energy Systems (ICETEESES-16) by KNIT, Sultanpur (UP), India, pp. 350-354, March 11-12, 2016. DOI: [10.1109/ICETEESES.2016.7581408](https://doi.org/10.1109/ICETEESES.2016.7581408).
42. Saharsh Oza, Ankit Shah, Tarun Thokala, Sumam David, Pipelined implementation of high radix adaptive CORDIC as a coprocessor, IEEE Symposium on Emerging Topics in Computing and Communications (SETCAC'15), Trivandrum, December 2015.
43. Chandrika B.K., Aparna P., Sumam David, Irreversible wavelet compression of radiological images based on visual threshold, IEEE International WIE Conference on Electrical and Computer Engineering (WIECON-ECE 2015), Dhaka, Bangladesh, December 2015.
44. Krishnamoorthy.K, Basudev Majumder, Jayanta Mukherjee and K P Ray, "Design of Multi-Band Antenna Using Zeroth Order Resonator Loaded with SRR and Modified Ground Plane", IEEE Asia-Pacific Microwave Conference, APMC, Nanjing, China, Dec.2015.

45. B. Majumder, K. Kandasamy, J. Mukherjee, K. P. Ray, "Dual Band Dual Polarized Frequency Reconfigurable Antenna Using Meta-surface", IEEE Asia-Pacific Microwave Conference, APMC, Nanjing, China, Dec.2015.
46. Krishnamoorthy Kandasamy, B. Majumder, J. Mukherjee and K. P. Ray, "Beam-Tilted and Wide Beam Antennas using Hybrid Electromagnetic Band Gap Structures", IEEE EuMW 2015, 45<sup>th</sup> European Microwave Conference (EuMC), 2015, Paris, France, Sep. 2015.
47. Krishnamoorthy Kandasamy, B. Majumder, J. Mukherjee and K. P. Ray, "Design of SRR Loaded Reconfigurable Antenna for UWB and Narrow Band Applications," 2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting – Vancouver, Canada, Jul. 2015.
48. Basudev Majumder, Krishnamoorthy Kandasamy, J. Mukherjee, K. P. Ray, "A Novel Circularly Polarized / Dual Band Dual Polarized Antenna Using Metasurface," 2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting – Vancouver, Canada, July. 2015.
49. Abhinav Sridhar, Srivatsa Sridhar, and Shyam Lal, "A Novel Solution to Routing in Cognitive Radio Ad-hoc Networks in High Primary User Traffic Environments" *Proceedings of 2015 IEEE International Advance Computing Conference* organized by B.M.S. College of Engineering, Bangalore, India, pp. 905-909, June 12-13, 2015. DOI: 10.1109/IADCC.2015.7154836, On line available at website <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7154836>
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51. Veerasha R.K, Astron Manoj Tauro, Muralidhara, Rathnamala Rao, "Theoretical Investigation on Piezowafer Actuated Micropump", Proceedings of International Conference on Emerging Trends in Engineering, vol. 1, pp.90-94, NMAMIT,Nitte, May 2015.
52. Rathnamala Rao, Pragathi B.K, Muralidhara, "Inverse P-I Hysteresis Model for Piezoactuator and its Application in Micro-EDM In-Situ Measurements" Proceedings of International Conference on Emerging Trends in Engineering, vol. 2, pp.143-148, May 2015.
53. Venugopal T.R, Yajnesha P Shettigar, Muralidhara, Rathnamala Rao, "Development of In-Situ Tool Grinding Attachment for Micro-EDM" Proceedings of International Conference on Emerging Trends in Engineering, vol. 1, pp.46-50, May 2015.
54. Mokshitha, Rathnamala Rao, Muralidhara, "Investigations on the Displacement Control of APA230L Piezoelectric Actuator", Proceedings of International Conference on Emerging Trends in Engineering, vol. 2, pp.149-155, May 2015.
55. Roshan P., Muralidhara, Rathnamala Rao, "Design and Analysis of Structural Interface Stiffeners for Parallel Pre-Stressed Actuator" Proceedings of International Conference on Emerging Trends in Engineering, vol. 1, pp.35-39, May 2015.
56. Girish Kumar S, Rathnamala Rao, Muralidhara, "Active Vibration Isolation using Inverse Maxwell's Slip Model" Proceedings of International Conference on Emerging Trends in Engineering, vol. 2, pp.46-51, May 2015.
57. Mohith S, Muralidhara, Rathnamala Rao, "Design of Piezoactuator Based Prototype Actuator With Hydraulic Displacement Amplification Using Metal Diaphragm" Proceedings of International Conference on Emerging Trends in Engineering, vol. 1, pp.40-45, May 2015.

58. Sukesh Rao M and Rathnamala Rao, "Investigation on Pulse Reading Using Flexible Pressure Sensor", Proceedings of International Conference on Industrial Instrumentation and Control (ICIC) College of Engineering Pune, India, pp.213-216, May, 2015.
59. Anmol J Bhattad, Sharukh S Shaikh, Sumam David S., K. P. Anoop, Venkat R Peddigari, Real time Pedestrian detection and tracking, 4th International Engineering Symposium (IES 2015), Kumomoto, Japan, E-1-1, E-1-6, March 2015.
60. Ashwin K, Sreecharan Sankaranarayanan, Sumam David S, Audio Segmentation Using A-priori Information in the Context of Karnatic Music, IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), NIT Calicut, pp 1-5, Feb 2015, 10.1109/SPICES.2015.7091550.
61. Sarwesh P, Dr. N. Shekar V. Shet, Prof. K. Chandraskaran, Energy Efficient Network Architecture for IOT Applications, IEEE International Conference on Green Computing & Internet of Things, Delhi, India, 2015.
62. Chetan Patil, Madhumitha Sridhara, Mathura M. G., Sumam David, Merwyn Fernandes, Anand Venugopal, B. Unnikrishnan, Early Detection of Alzheimer's Disease using Image Processing on MRI Scans, IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), Calicut, pp 1-5, 2015, 10.1109/SPICES.2015.7091517.
63. Neha N; Shriharsha Koila; Prashantha Kumar H; U. Sripathi 2015 "Adaptive receive-antenna selection technique for Spatial Modulation MIMO systems" IEEE International Advance Computing Conference (IACC) Year: 2015 Pages: 547 – 551 IEEE Conference Publications.
64. Goutham Simha G.D.; Shriharsha Koila; Neha N; U. Sripathi. 2015 "Performance of Spatial-Modulation and spatial-multiplexing systems over Weibull fading channel" International Conference on Computing and Network Communications (CoCoNet) Year: 2015 Pages: 389 - 394, IEEE Conference Publications.
65. Basudev Majumder, Krishnamoorthy Kandasamy, Jayanta Mukherjee, Kamla Prasan Ray, "A High Gain EBG Backed Slot Antenna Loaded with Anisotropic Mu-Negative Superstrate," 2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting - Vancouver 2015.
66. Basheeruddin Shah Shaik, V S S K R Naganjaneyulu Gudapati T. Chandrasheker and A V Narasimhadhan, "Method for QRS Delineation Based on STFT using Adaptive Threshold", ICISP-2015.
67. Basheeruddin Shah Shaik, V S S K R Naganjaneyulu Gudapati and A V Narasimhadhan "A Novel Approach for QRS Delineation in ECG Signal Based on Chirplet Transform", IEEE Connect 2015.
68. Geetha Prakash, Muralidhar Kulkarni, U Sripathi, 2015, "Energy Efficient transmission of Rateless Codes over Free Space Optical channels" Proceedings of SPIE Photonics West LASE (Laser Technology and Industrial Laser Conference) held at Moscone Center San Francisco, California, USA, 7-12, February 2015.
69. R. Rajesh, Kannan Babu Ramia, and Muralidhar Kulkarni, 2014, "Integration of LwIP Stack over Intel(R) DPDK for High Throughput Packet Delivery to Applications", Proceedings of the 2014 Fifth International Symposium on Electronic System Design, IEEE Computer Society, NITK, Surathkal, India, December 15-17, 2014 pp.130-134.
70. Chandra Shaker Balure, Ramesh Kini M., A Survey - Super Resolution Techniques for Multiple, Single and Stereo Images, ISED 2014, NITK Surathkal, Karnataka
71. E.S. Shajahan, M.S. Bhat and Chenna Reddy, "Inductive Tuned High Isolation RF MEMS Capacitive Shunt Switches", 5th IEEE International Symposium on Electronic System Design (ISED), December 15-17, 2014.

72. D. N. Jagadish and M. S. Bhat, "*Low Energy and Area Efficient Non-binary Capacitor Array based SAR ADC*", 5th International Symposium on Electronic System Design (ISED) 15-17 December, 2014.
73. D. N. Jagadish and M. S. Bhat, "*A Low voltage Inverter based Differential Amplifier for Low Power Switched Capacitor Applications*", 5th International Symposium on Electronic System Design (ISED) 15-17 December, 2014.
74. Sadeque Reza Khan, Rajsekhar Kumar Nath and M.S. Bhat, "*GSM and GUI Based Remote Data Logging System*", 5th International Symposium on Electronic System Design (ISED) 15-17 December, 2014.
75. Naganjaneyulu Gvsskr, Narasimhadhan A V and Venkatesh K "Performance evaluation of OCR on poor resolution text document images with different preprocessing steps", Proceedings of IEEE Tencon, Oct 2014.
76. Shriharsha Koila, Goutham Simha G D, Muralidhar Kulkarni, U. Sripathi, 2014 "*FPGA Implementation of a BCH Codec for Free Space Optical Communication System*", Proceedings of the 2014 International Conference on Advances in Computing, Communications, technically sponsored by IEEE Communications Society and IEEE Systems, Man, and Cybernetics Society, held during September 24-27, 2014, New Delhi, India.
77. Chandrika B.K., Aparna P., Sumam David, "*Symmetry Based Perceptually Lossless Compression of 3D Medical Images in Spatial Domain*", International Conference on Computer, Communication, and Control Technology (I4CT, 2014), Malaysia, September 2014.
78. Chenna Reddy B, E S Shajahan and M S Bhat, "*Design of a Triple Band-Notched Circular Monopole Antenna for UWB Applications*", 11th IEEE International Conference on Wireless and Optical Communications Networks WOCN2014, 11 - 13, September 2014.
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80. Krishnamoorthy, K., Basudev Majumder, Jayanta Mukherjee and K.P Ray, "A Circular Polarization Reconfigurable Antenna Based on Reconfigurable Electromagnetic Band-Gap Structures", Metamaterials 2014, Copenhagen, Denmark, Aug. 2014.
81. Basudev Majumdar, Krishnamoorthy K, J. Mukherjee, K. P. Ray, "A Novel Miniaturized Complimentary Split Ring Loaded Electromagnetic Band Gap Structure for Isolation Improvement and Absorber Applications at Microwave Frequencies", Metamaterials 2014, Copenhagen, Denmark, Aug. 2014.
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83. Basudev Majumder, Krishnamoorthy, K., Jayanta Mukherjee and K P Ray "A Compact Electromagnetic Band Gap Ground Controlled Tunable Dual Mode Band Pass Filter", 16th international symposium on antenna technology and applied electromagnetics, 2014, Victoria, Canada.
84. Krishnamoorthy, K., Basudev Majumder, Jayanta Mukherjee and K P Ray, "Reconfigurable Zeroth Order And Half Wave Length Resonator Antenna For Pattern Reconfiguration Using Tunable EBG Structures" 16th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM), Victoria, BC, Canada, Jul. 2014.
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