

Scopus Indexed Conferences

Year	List of publications
2018	<ol style="list-style-type: none"> 1. Vivek Pathak, Vinay Kumar, D.N.Sandeep and Ravindra K. Barik “<i>Tunable Multilevel Probabilistic Sensing Model based Intrusion Detection in Gaussian Distributed WSNs</i>” Presented in INDICON, (will be online 2018). 2. Rabindra K. Barik, Satish Kumar Gudey , Gujji Giridhar Reddy, Harishchandra Dubey , Kunal Mankodiya, Vinay Kumar, “<i>FogGrid: Leveraging Fog Computing for Enhanced Smart Grid Network</i>”, presented in INDICON, (will be online 2018).
2017	<ol style="list-style-type: none"> 3. PM Shyam Prasad, Radhika Swarnkar, K Visnu Prasad, M Radhakrishnan, Md Farukh Hashmi, AG Keskar, “SSVEP Signal Detection for BCI Application”, Advance Computing Conference (IACC), 2017 IEEE 7th International, Pages 590-595, 5-7 January 2017 4. Pavan Kumar Pedapolu, Pradeep Kumar, Vaidya Harish, Satvik Venturi, Sushil Kumar Bharti, Vinay Kumar, and Sudhir Kumar, <i>Mobile Phone User's Speed Estimation using WiFi Signal-to-Noise Ratio</i>, 18th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc), ACM, IIT Chennai, India, pp. 1-2 , 2017. 5. Vinay Kumar, Sadanand Yadav, Joydeep sengupta, sudhir kumar, Rajeev tripathi, Sudarshan Tiwari and Rabindra Barik, “<i>TMSM-based Optimal Clustering in a Gaussian Distributed Wireless Sensor Network</i>”, TENCON, IEEE 2017. 6. M. Tarun, Vinay Kumar, Sudhir Kumar, M. Jajoo, S. Rahman, J. Sengupta, <i>GPS-GSM based Rail Signaling and Tracking System</i>, International Conference on Control, Decision and Information Technologies, (CoDIT), IEEE, Barcelona, Spain, pp. 500-504, 2017 7. Neeraj Bokde, Kishore Kulat, “Robust performance of PSF method over outliers and random patterns in univariate time series forecasting,” International Technology Congress, December 2017 8. Bokde, N., Troncoso, A., Asencio-Cortés, G., Kulat, K., & Martínez-Álvarez, F. “Pattern sequence similarity based techniques for wind speed forecasting”, <i>International Work-Conference on Time Series (ITISE)</i>, Vol.2, pp 786-794, October 2017 9. RG Sutar, AG Kothari, “Multi-Constrained Non-Linear Array Synthesis Using Ant Lion Optimization with Penalty Function Method”, Twenty Third National Conference on Communications (NCC), IIT Madras, Chennai, 2017, Vol.9, Issue 1, October 2017 10. Lokesh Gahane, Prabhat Kumar Sharma, Parul Garg and T. A. Tsiftsis, " Improved Energy Detector with Cognitive User Mobility over Generalized Fading Channels" to appear in IEEE Vehicular Technology Conference (VTC-Fall), Toronto, Canada, September 2017. 11. Haichao Wang, Guoru Ding, Jinlong Wang, Le Wang, Theodoros A. Tsiftsis and Prabhat Kumar Sharma,“Resource Allocation for the Energy Harvesting-Powered D2D Communication Underlying Cellular Networks”, to appear in IEEE International Conference on Communications (ICC), Paris, France, May 2017. 12. Ankur Bansal, Prabhat Kumar Sharma, and Manav Bhatnagar,“A Quartic Mixture Distribution and Its Application to ML Decoder Based Analysis of FSO Systems”, to appear in IEEE International Conference on Communications (ICC) Workshops, Paris, France, May 2017
2016	<ol style="list-style-type: none"> 1. Khanna, Parag, Khushdeep Singh, K M Bhurchandi, Shital Chiddarwar, "Design analysis and development of low cost underactuated Robotic hand." <i>Robotics and Biomimetics (ROBIO)</i>, 2016 IEEE International Conference on. IEEE, December 2016. 2. Gupta, Santosh, Kishor M. Bhurchandi, and Avinash G. Keskar. "An efficient noise-robust automatic speech recognition system using artificial neural networks." <i>Communication and Signal Processing (ICCSP)</i>, 2016 International Conference on. IEEE, 2016, April 2016

	<ol style="list-style-type: none"> 3. Parate, Mayur Rajaram, Saugata Sinha, and Kishor M. Bhurchandi. "Integral Channel Feature based arbitrary object tracking." <i>Communication (NCC), 2016 Twenty Second National Conference on</i>. IEEE, March 2016. 4. Parlewar, Manisha, Hemprasad Patil, and Kishor Bhurchandi. "A novel Quantized Gradient Direction based face image representation and recognition technique." <i>Communication (NCC), 2016 Twenty Second National Conference on</i>. IEEE, March 2016. 5. Saiyma Fatima Raza, Ch Naveen, VR Satpute, AG Keskar, "A proficient chaos based security algorithm for emergency response in WBAN system", <i>Technology Symposium (TechSym), 2016 IEEE Students</i>, Pages 18-23, October 2016 6. Radhika Swarnkar, AG Keskar, PM Shyam Prasad, NC Shivprakash, "A new approach to detect P300 in a single trial based on PCA and SVM classifier" <i>Region 10 Symposium (TENSYMP), 2016 IEEE</i>, Pages 355-360, May 2016 7. Sneha Kadu, Ch Naveen, VR Satpute, AG Keskar, "A blind video watermarking technique for indoor video content protection using Discrete Wavelet Transform", <i>Electrical, Electronics and Computer Science (SCEECS), 2016 IEEE Students' Conference</i>, Pages 1-6, March 2016 8. Sneha Kadu, Ch Naveen, VR Satpute, AG Keskar, "Discrete wavelet transform based video watermarking technique", <i>Microelectronics, Computing and Communications (MicroCom), 2016 International Conference</i>, Pages 1-6, January 2016 9. Shrivastav, Khyati, and K. D. Kulat. "Scalability analysis of homogeneous broad transmission distance protocol (HM-BTDP) for energy efficient communication in wireless sensor networks." <i>Electrical, Computer and Electronics Engineering (UPCON), 2016 IEEE Uttar Pradesh Section International Conference on</i>. IEEE, December 2016 10. Gupta, Aditya, V R Satpute, K D Kulat, Neeraj Bokde, "Real-Time Abandoned Object Detection Using Video Surveillance." <i>Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing</i>. Springer, New Delhi, 2016, pp837-843, April 2016 11. Ankit A. Bhurane, Harshal Nishar, Hardik Agarwal, Ashwin Kothari, Vikram M. Gadre, "Spectral Approaches for Motion Intensity Estimation in Video Coding", <i>IEEE National Conference on Communications NCC 2016, IIT Guwahati</i>, 2016. 12. RG Sutar, AG Kothari, "A Low-Cost Diagnostic Support System for Remote Cardiac Healthcare", <i>6th IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, UTown, Singapore</i>, pp.126-130, June 26-29, 2016 13. Prabhat Kumar Sharma, Ankur Bansal, and Manav Bhatnagar, "Arbitrary Beamforming Based FSO MIMO System in Atmospheric Turbulence and Misalignment Errors", <i>22nd National Conference on Communications (NCC), IIT Guwahati, India</i>, 2016. 14. Prabhat Kumar Sharma, Parul Garg, and Ankita Gupta, "Arbitrary Beamforming Based FSO MIMO System in Atmospheric Turbulence and Misalignment Errors", <i>22nd National Conference on Communications (NCC), IIT Guwahati, India</i>, 2016. 15. R. Rajanna, R.Ptucha, Saugata Sinha, B. K. Chinni, V. S. Dogra & N. A. Rao., "Prostate cancer detection using photoacoustic imaging and deep learning", <i>Electronic Imaging 2016</i>.
2015	<ol style="list-style-type: none"> 1. Dubey, Amartansh, Abhinav Kulkarni, Anubhav Paras, Aditya Deole, A S Gandhi, K M Bhurchandi, "FM based indoor localization and mapping system with real-time implementation

on FPGA." *Information and Communication Technology Convergence (ICTC), 2015 International Conference on.* IEEE, 2015.

2. Kulkarni, Abhinav, and Kishor Bhurchandi. "Low cost e-book reading device for blind people." *Computing Communication Control and Automation (ICCUBEA), 2015 International Conference on.* IEEE, 2015.
3. Latha, P. Sneha, Pawan Kumar, Samruddhi Kahu, Kishor Bhurchandi, "Segmentation of color images using genetic algorithm with image histogram." *Seventh International Conference on Machine Vision (ICMV 2014).* International Society for Optics and Photonics, 2015.
4. Ch Naveen, VR Satpute, AG Keskar, "An efficient low dynamic range image compression using improved block based EZW", *Computational Intelligence: Theories, Applications and Future Directions (WCI), 2015 IEEE Workshop*, Pages 1-6, 2015
5. Ch Naveen, VR Satpute, AG Keskar, "An improved block based EZW technique for low dynamic range image compression", *Microelectronics and Electronics (PrimeAsia), 2015 IEEE Asia Pacific Conference on Postgraduate Research in*, Pages 63-68, 2015
6. Vibha Bora Bafna, Ashwin Kothari, Avinash Keskar, "A Heuristic Approach for Automated Mammogram Orientation in Computer Aided Diagnosis", *Emerging Trends in Engineering and Technology (ICETET), 2015 7th International Conference*, Pages 56-61, 2015
7. Varun Tiwari, Vijay Anand, Avinash G Keskar, Vishal R Satpute, "Sign language recognition through kinect based depth images and neural network", *Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference*, Pages 194-198, 2015
8. Seema Sahu, Nilesh Loya, Avinash G Keskar, "Restoration and enhancement of impulse noise image for human visual system", *Electronics, Computing and Communication Technologies (CONECCT), 2015 IEEE International Conference*, Pages 1-6, 2015
9. Shrawankar, J. A., and K. D. Kulat. "A study of influence of fast fading on the performance of mobile communication system." *Microwave, Optical and Communication Engineering (ICMOCE), 2015 International Conference on.* IEEE, 2015.
10. Bokde, Neeraj Dhanraj, Paritosh Peshwe, Aditya Gupta, K D Kulat, "RemoteWSN: A novel technique for remotely visualizing connectivity in WSN working on a weight based routing algorithm." *Recent Advances in Electronics & Computer Engineering (RAECE), 2015 National Conference on.* IEEE, 2015.
11. R Anuvind, SD Joseph, A Kothari, "2x2 MIMO antenna at 2.4 GHz for WLAN applications.", *2015 International Conference on Microwave, Optical and Communication Engineering (ICMOCE), 2015*
12. S Farkya, G Surampudi, A Kothari, "Hindi speech synthesis by concatenation of recognized hand written devnagri script using support vector machines classifier", *Communications and Signal Processing (ICCSP), 2015 International Conference on.* IEEE, 2015
13. PH Ghare, AG Kothari, "Interference issue in Machine to machine communication for Healthcare", *4th International Conference on Electronics, Communications and Networks at Beijing, China, during Dec. 12th-15th, 2014*
14. Prabhat Kumar Sharma, A. Bansal, P. Garg, T.A. Tsiftsis, and R. Barrios, "Performance of FSO Links under Exponentiated Weibull Turbulence Fading with Misalignment Errors", *IEEE International Conference on Communications (ICC), London, U.K., 2015.*

	<p>15. Ankur Bansal, Prabhat Kumar Sharma, and Manav Bhatnagar, "DF Cooperation Over Gamma-Gamma Fading FSO Links with an Erroneous Relay", IEEE International Conference on Communications (ICC), London, U.K., 2015.</p> <p>16. Ankur Bansal, Prabhat Kumar Sharma, and Manav Bhatnagar, "Optimal and Suboptimal Decoding for SIM-BPSK Over Gamma-Gamma FSO Links with an Erroneous Relay", 21st National Conference on Communications (NCC), Indian Institute of Technology, Bombay, India, 2015.</p>
2014	<ol style="list-style-type: none"> 1. Patil, Hemprasad Y., Ashwin G. Kothari, and Kishor M. Bhurchandi. "Expression invariant face recognition using contourlet transform." <i>Image Processing Theory, Tools and Applications (IPTA), 2014 4th International Conference on.</i> IEEE, 2014. 2. Thakker, Rohan, Ajinkya Kamat, Sachin Bharambe, Shital Chiddarwar, K M Bhurchandi, "Rebis-reconfigurable bipedal snake robot." <i>Intelligent Robots and Systems (IROS 2014), 2014 IEEE/RSJ International Conference on.</i> IEEE, 2014. 3. Bawane, Madhuri N., and K. M. Bhurchandi. "Classification of Mental Task Based on EEG Processing Using Self Organising Feature Map." <i>Intelligent Human-Machine Systems and Cybernetics (IHMSC), 2014 Sixth International Conference on.</i> Vol. 2. IEEE, 2014. 4. Sawake, Nikhil, Santosh Gupta, Ashish Ghatge, Akshay Khatri, K M Bhurchandi "EMG-based Prosthetic Leg for Above-Knee Amputee." <i>India Educators' Conference (TIIEC), 2014 Texas Instruments.</i> IEEE, 2014. 5. Mohammad Farukh Hashmi, Ronak Jayesh Shukla, Avinash G Keskar, "Platform independent Real Time copyright protection embedding and extraction algorithms on Android and Embedded framework", Signal Processing and Information Technology (ISSPIT), 2014 IEEE International Symposium, Pages 000189-000194, 2014 6. Ch Naveen, VR Satpute, AG Keskar, KD Kulat, "Comparative analysis of video compression mechanisms based on EZW coded 3D-DWT and AVI", Signal Processing and Information Technology (ISSPIT), 2014 IEEE International Symposium, pp 000096-000101, 2014 7. VR Satpute, KD Kulat, AG Keskar, "Comparative analysis of video compression mechanisms using 3D-DWT with EZW", Industrial and Information Systems (ICIIS), 2014 9th International Conference, Pages 1-7, 2014 8. Ashwini Bharade, Surabhi Gaopande, AG Keskar, "Adaptive pre processing and image stabilization on embedded platform", Industrial and Information Systems (ICIIS), 2014 9th International Conference, Pages 1-6, 2014 9. VR Satpute, KD Kulat, AG Keskar, "A novel approach based on 2D—DWT and variance method for human detection and tracking in video surveillance applications (An alternative approach for object)", Industrial and Information Systems (ICIIS), 2014 9th International Conference, Pages 1-6, 2014 10. Ashwini Bharade, Surabhi Gaopande, AG Keskar, "Statistical approach for distance estimation using Inverse Perspective Mapping on embedded platform", India Conference (INDICON), 2014 Annual IEEE, Pages 1-5, 2014 11. PP Gangal, VR Satpute, KD Kulat, AG Keskar, "A novel approach based on 2D-DWT and variance method for human detection and tracking in video surveillance applications", Contemporary Computing and Informatics (IC3I), 2014 International Conference, Pages 463-468, 2014

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13. PP Gangal, VR Satpute, KD Kulat, AG Keskar, "Object detection and tracking using 2D—DWT and variance method", Engineering and Systems (SCES), 2014 Students Conference, Pages 1-6, 2014
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15. Ch Naveen, VR Satpute, KD Kulat, AG Keskar, "Video encoding techniques based on 3D-DWT", Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference, Pages 1-6, 2014
16. PP Gangal, VR Satpute, KD Kulat, AG Keskar, "PNew approach for object detection and tracking using 2D-DWT", Electronics and Communication Systems (ICECS), 2014 International Conference, Pages 1-5, 2014
17. Naveen, Ch, V R Satpute, A G Keskar, K D Kulat, "Comparative analysis of video compression mechanisms based on EZW coded 3D-DWT and AVI." *Signal Processing and Information Technology (ISSPIT), 2014 IEEE International Symposium on.* IEEE, 2014.
18. Gangal, P. P., V R Satpute, K D Kulat, A G Keskar, "Object detection and tracking using 2D—DWT and variance method." *Engineering and Systems (SCES), 2014 Students Conference on.* IEEE, 2014.
19. Kene, Jagdish D., and Kishor D. Kulat. "WiMAX physical layer optimization by implementing SOVA Decoding algorithm." *Circuits, Systems, Communication and Information Technology Applications (CSCITA), 2014 International Conference on.* IEEE, 2014.
20. Naveen, Ch, V R Satpute, K D Kulat, A G Keskar, "Video encoding techniques based on 3D-DWT." *Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students' Conference on.* IEEE, 2014.
21. Satpute, Vishal R., Ch. Naveen, Kishor D Kulat, Avinash G Keskar, "Fast and Memory Efficient 3D-DWT Based Video Encoding Techniques with EZW Based Video Compression Mechanism." *Transactions on Engineering Technologies.* Springer Netherlands, 2014. Pp 397-412, 2014
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23. PrernaSaxena, A.G.Kothari, "Performance analysis of adaptive beamforming algorithms for smart antennas", In proceedings of International Conference on Future Information Engineering (FIE 2014), Beijing, China, July 6-8, 2014. Published in IERI Procedia (Elsevier), vol. 10, pp. 131-137, 2014 vol. 10, pp. 131-137, 2014
24. C Waghmare, A Kothari, "Spanner shaped ultra wideband patch antenna.", Students IEEE Conference on Engineering and Systems. doi:10.1109/sces.2014.6880057, May 2014
25. S. Manoj , A. G. Kothari , Abhay Samant, "Cognitive radio testbed using reconfigurable PIFA antenna and energy detection sensing.", Computer and Communication Technology (ICCT), 2014 International Conference on. IEEE, 2014

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2012	<ol style="list-style-type: none"> 1. PP Gangal, VR Satpute, KD Kulat, AG Keskar, "Application of image processing for spray angle measurement of furnace oil gun nozzle", Power, Control and Embedded Systems (ICPCES), 2012 2nd International Conference, Pages 1-5, December 2012 2. Vibha Bafna Bora, Ashwin G Kothari, Avinash G Keskar, "Mammogram Segmentation Using Rough k-Means and Mass Lesion Classification with Artificial Neural Network", International Conference on Advanced Machine Learning Technologies and Applications, Pages 60-69, 2012 3. Mohammad Farukh Hashmi, Avinash G Keskar, "Analysis and monitoring of a high density traffic flow at T-intersection using statistical computer vision based approach", Intelligent Systems Design and Applications (ISDA), 2012 12th International Conference , Pages 52-57, 2012 4. Vibha Bafna Bora, AG Kothari, AG Keskar, "Tumor segmentation by tolerance near set approach in mammography and lesion classification with neural network", Communication, Information & Computing Technology (ICCICT), 2012 International Conference, Pages1-6 5. Pradnya H Ghare, AG Kothari, AG Keskar, "Evaluation of Scalability Issue of 802.15. 4 MAC forBody Area Networks", International Journal of Computer and Electrical Engineering, Volume 4, Issue 5, Pages 718, 2012 6. Kanchan S Tiwari, Ashwin G Kothari, Avinash G Keskar, "Reduct generation from binary discernibility matrix: an hardware approach", International Journal of Future Computer and Communication, Volume 1, Issue 3, Pages 270, 2012 7. Rajendra G Sutar, AG Kothari, AG Keskar, "ECg feature extraction using lead", Communication Systems and Network Technologies (CSNT), 2012 International Conference on, Pages 100-103, 2012 8. Kene, Jagdish D., and Kishor D. Kulat. "Soft Output Decoding Algorithm for Turbo Codes Implementation in Mobile Wi-Max Environment." <i>Procedia Technology</i> 6 (2012): 666-673, 2012 9. Kene, Jagdish D., and Kishor D. Kulat. "Performance optimization of physical layer using turbo codes: a case study of Wi-Max mobile environment." <i>Emerging Technology Trends in Electronics, Communication and Networking (ET2ECN)</i>, 2012 1st International Conference on. IEEE, 2012. 10. Rathkanthiwar, Shubhangi, Chandrashekhar Detha, and Kishore Kulat. "Performance evaluation of a novel WLAN receiver performance in highly dispersive nonlinear environment." <i>Power, Control and Embedded Systems (ICPCES)</i>, 2012 2nd International Conference on. IEEE, 2012.

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