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**Area(s) of interest: Image Processing, VLSI, Signal Processing and Pattern Recognition**

**Total Publications: 30**

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### **Research Papers Published in International Journals/Transactions**

1. J.L Mazher Iqbal et al, Intelligent Information System for Suspicious Activity Detection during Day & Night, International Journal of Pattern Recognition and Artificial Intelligence, Under Review
2. J.L Mazher Iqbal et al, Design and implementation of efficient Adaptive Filter using Reversible Carry Select Adder, International Journal of Engineering and Technology, Under Review
3. Dr.J L Mazher Iqbal et al, Efficient technique to estimate age using PCA & multi SVM Classification, International Journal of Engineering & Technology, Vol 7 (1.2), PP No. 81-84, 2018, Indexed in SCOPUS
4. J.L Mazher Iqbal et al, Low Power And High Speed LMS Algorithm Using Reversible Gates, International Journal of Applied Engineering Research (IJAER), Volume 12, Issue 01, SCOPUS, EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC
5. J.L Mazher Iqbal et al, Object Detection And Tracking Using Thermal Camera, International Journal of Pure and Applied Mathematics (IJPAM), Volume 114, Issue No .12, PP 87-96 , Indexing ELSEVIER, Index Copernicus, Hub SciVerse, Google Scholar, SCImago Journal & Country Rank, SCIRUS, SCOPUS, Directory of Open Access Scholarly Resources, International Standard Serial Number, Global Open Access Portal
6. J.L Mazher Iqbal, S. Varadarajan, "High Performance Reconfigurable FIR Filter Architecture Using Optimized Multipliers", Circuits System and Signal Processing, Springer Journal No.34, DOI 10.1007/s00034-012-9473-3, 2013:32, pp:663-682, 2013, ISSN0278-081X(print), ISSN1531-5878 (electronic), Indexed in Science Citation Index Expanded (SciSearch), SCOPUS, INSPEC, Zentralblatt Math, Google Scholar, EBSCO, Academic OneFile, ACM Computing Reviews, ACM Digital Library, Current Contents Collections/Electronics & Telecommunications Collection, Current

Contents/Engineering, Computing and Technology, Current Index to Statistics, EI-Compendex, Gale, International Bibliography of Book Reviews (IBR), International Bibliography of Periodical Literature (IBZ), Journal Citation Reports/Science Edition, Mathematical Reviews, OCLC, SCImago, STMA-Z, Summon by Serial Solutions, VINITI - Russian Academy of Science

7. J.L Mazher Iqbal, S. Varadarajan, Memory Based and Memory Less Computation for Low-complexity Reconfigurable Digital FIR filter, WSEAS Transactions on Systems, Issue. 3, Vol. 12, pp:142-153, 2013, Print ISSN: 1109-2777, E-ISSN: 2224-2678, Indexed in ELSEVIER, SCOPUS, ACM - Association for Computing Machinery, Zentralblatt MATH, EBSCO, SWETS, EMBASE, CAS - American Chemical Society, EI Compendex, Engineering Village, CiteSeerx, Cabell Publishing, Electronic Journals Library, EconLit - American Economic Association, SAO/NASA Astrophysics Data System, CSA - Cambridge Scientific Abstracts, Compendex®, GEOBASE, Biobase, TIB|UB - German National Library of Science and Technology, American Mathematical Society (AMS), Inspec - The IET, Ulrich's International Periodicals Director, SCIRUS
8. J.L Mazher Iqbal et al , An Extensive Literature Review on Reversible Logic Gates, International Journal Of Innovative Research In Technology (IJIRT), Volume 2 Issue 10, PP. 124-127, ISSN: 2349-6002, March 2016
9. J.L Mazher Iqbal et al, Image stitching and 2D to 3D Image Reconstruction for Abnormal Activity Detection, International Journal of Computer Applications, DOI 10.5120/ijca2016908078, Volume 133 – No 17, pp:1-6, January 2016, ISSN 0975 – 8887, ISBN : 973-93-80884-22-7, Indexed in Google Scholar platform, CiteSeer, UlrichsWeb and CSA Technology Research Database, ProQuest for citation purposes and NASA ADS (Hosted at Harvard University), University of Karlsruhe, Germany and Georgetown University, USA, ScientificCommons Index supported by University of St. Gallen, Switzerland
10. J.L Mazher Iqbal et al, Automatic Vehicle Accident Detection and Reporting with Black Box, International Journal of Applied Engineering and Research, ISSN 0973-4562 Vol. 10 No.87, PP 139-145, Indexed in Scopus, Dec 2015
11. J.L Mazher Iqbal et al, Intelligent medicine box with weight management and alerting, International Journal of Applied Engineering and Research, ISSN 0973-4562 Vol. 10 No.87, PP 123-139, Indexed in Scopus, Dec 2015
12. J.L. Mazher Iqbal et al, Abnormal Human Activity Recognition using Scale Invariant Feature Transform, International Journal of Current Engineering and Technology, E-ISSN 2277 – 4106, P-ISSN 2347 – 5161, Vol.5, No.6 PP 3748-3751, Dec 2015, Indexed in Google Scholar platform, Cross ref, UR, SCPIO, Science Central, Tech Public/US
13. J.L Mazher Iqbal et al, Embedded System Based Air Pollution Detection in Vehicles, International Journal of Emerging Technologies in Computational and Applied Sciences

(IJETCAS), IJETCAS 15-435, PP 286-289, May 2015, Indexed in Index Copernicus, Computer Science Directory, Get CITED, DOAJ, Thomson ISI, SSRN, TGD Scholar, World Wide Science, CiteSeerX, CRC net BASE, Google Scholar, Microsoft Academic Search, INSPEC, ProQuest, Arnet Miner, Base, ChemXSeer, citebase, OpenJ-Gate, eLibrary, SafetyLit, SSRN, VADLO, OpenGrey, EBSCO, ProQuest, Ulrich Web, Scirus, ISSUU, SPIE Digital Library, arXiv, ERIC, EasyBib, Infotopia, World Cat, .docstoc, JURN, Mendeley, Research Gate, cog prints, OCLC, iSEEK, Scribd, LOCKSS, CASSI,E-Print Network

14. J.L Mazher Iqbal, T.Hareesh“ARM 7 based Intelligent System for Surveillance and Street Light Management”, International Journal of Computer Applications, DOI 10.5120/18778-0097, Volume 107 – No 9,pp:12-16, December 2014, ISSN 0975 – 8887, ISBN : 973-93-80884-22-7, Indexed in Google Scholar platform, CiteSeer, UlrichsWeb and CSA Technology Research Database, ProQuest for citation purposes and NASA ADS (Hosted at Harvard University), University of Karlsruhe, Germany and Georgetown University, USA, ScientificCommons Index supported by University of St. Gallen, Switzerland
15. J.L Mazher Iqbal et al, Hard exudates detection in proliferative diabetic retinopathy using gradient controlled fuzzy c means clustering algorithm, Georgian Electronic Scientific Journal (GESJ) - Computer Science and Telecommunications, Impact factor: 0.8125, Volume No.4 (44), PP 27-31, Dec 2014
16. J.L Mazher Iqbal et al, Segmentation of diabetic retinopathy images through a subjective approach, Georgian Electronic Scientific Journal (GESJ)-Computer Science and Telecommunications, Impact factor: 0.8125, Volume No.4 (44), PP 32-34, Dec 2014
17. J.L Mazher Iqbal, S. Varadarajan, “A New Algorithm for FIR Digital Filter Synthesis for a Set of Fixed Coefficients”, European Journal of Scientific Research, EJSR, Vol.59 No.1 (2011), pp.104-114, July 2011, ISSN 1450-216X, Indexed in SCOPUS, ProQuest ABI/INFORM Genamics, Elsevier Bibliographic Databases, EMBASE, Ulrich, DOAJ, EMNursing, Compendex, GEOBASE, and Mosby, European Journal of Scientific Research is monitored by Science Citation Index (SCI)  
[http://www.eurojournals.com/EJSR\\_59\\_1\\_11.pdf](http://www.eurojournals.com/EJSR_59_1_11.pdf)
18. J.L Mazher Iqbal, S. Varadarajan, “High Performance Reconfigurable Balanced Shared Memory Architecture For Embedded DSP”, International Journal of Computer Science and Information Security, IJCSIS, USA, Vol. 8, No. 4, pp: 198-206, July 2010, ISSN 1947 5500, Indexed in Google Scholar, SCIRUS, DBLP, Scientific Commons, DOAJ, .docstoc, CiteSeer, Scribd, Cornell University Library, Bielefeld Academic Search Engine (BASE), Microsoft Academic Search,  
<http://www.doaj.org/doaj?func=abstract&id=580163>

## **Research Papers Published in National Journals/Transactions**

19. J.L Mazher Iqbal, Dynamic Reconfigurable Architecture for AES Cryptosystem, Journal of Innovation in Electronics and Communication-Special Issue, vol.2, no.2, pp183-188, Jan 2012, ISSN 2249-9946
20. J.L Mazher Iqbal et al, Error Correction in Insertion/Deletion Channels using LDPC Code, Journal of Innovation in Electronics and Communication-Special Issue, vol.2, no.2, pp248-251, Jan 2012, ISSN 2249-9946

### **Research Papers Published in International Refereed Conferences**

21. J.L Mazher Iqbal, "Real Time 3D Depth Estimation and Measurement of Un-calibrated Stereo Images", 2017 International Conference on Nascent Technologies in the Engineering Field (ICNTE-2017), IEEEExplore, INSPEC Accession Number: 16963637, DOI: 10.1109/ICNTE.2017.7947959, Electronic ISBN: 978-1-5090-2794-1, June 2017
22. J.L Mazher Iqbal, S. Varadarajan, Performance Comparison of Reconfigurable Low Complexity FIR Filter Architectures, International Conference on Computational Intelligence and Information Technology, CIIT, Springer LNCS-CCIS, vol. 250, pp.637-642, Nov 2011, Springer-Verlag Berlin Heidelberg 2011, Springer Digital Library, ISSN 1865-0929, e-ISSN 1865-0937, ISBN 978-3-642-20572-9, e-ISBN 978-3-642-20573-6, Indexed in SCOPUS, ISI, DOI: 10.1007/978-3-642-25734-6\_151
23. J.L Mazher Iqbal, S. Varadarajan, Performance Improvement in Reconfigurable Computing Systems, International Conference on Sensors, Security, Software and Intelligent Systems (ISSSIS 2009), Coimbatore Institute of Technology, Coimbatore and Oklahoma State University USA, pp. VLSI | 29-35, 8 - 10, January 2009
24. J.L Mazher Iqbal et al, E- Payment System Using MICR- ICR For Automatic Bill Transaction, International Conference on Systemics, Cybernetics and Informatics (ICSCI 2005), Pentagon Research Center (P) Limited, Hyderabad, pp.120-125, January 2005

### **Research Papers Published in National Conferences**

25. J.L Mazher Iqbal et al, 3-D Image Reconstruction methods from 2-D Images, 2nd National Conference on Recent Trends in Signal Processing, ISBN No: 978-93-85100-01-7, MITS, Madanapalle, pp.99-103, 18 - 19, February 2015
26. J.L Mazher Iqbal et al, Intelligent Medicine Box for Medication Management using IoT, 2nd National Conference on Recent Trends in Signal Processing, ISBN No: 978-93-85100-01-7, MITS, Madanapalle, pp.120-126, 18 - 19, February 2015
27. J.L Mazher Iqbal et al, Elderly Abnormal Human Activity Recognition Based On Morphology and Hidden Markov Model Classifier, 2nd National Conference on Recent Trends in Signal Processing, ISBN No: 978-93-85100-01-7, MITS, Madanapalle, pp.224-229, 18 - 19, February 2015

28. J.L Mazher Iqbal et al, Verification of Parts Using Digital Image Processing in Machine Vision, National Conference on Signal and Image Processing (NCSIP-2012), Sri Sai Aditya Institute of Science and Technology, Surampalem, pp 175-180, 2012, ISBN 978-93-5067-470-3
29. J.L Mazher Iqbal et al, Design Of Memory-Based FIR Filter Using Optimized Look-Up-Table, National Conference on Recent Trends in Information Technology (NCRTIT-12) , RMK Engineering College, Chennai, pp 32-39, 20, February 2012
30. J.L Mazher Iqbal et al, Chaotic Map Based Image Encryption Algorithm Using S Box, National Conference on Wireless Information and Networking in Global Systems (WINGS2011), KLN College of Engineering, 2011