

A. International Journals

- i. Kuruvilla John, Vinod Kumar. R. S., Kumar S. S., “Low Power Pulsed Flip-Flop with Clock Gating and Conditional Pulse Enhancement”, *International Journal of Automation and Control*. (Accepted).
- ii. Shanila N., Vinod Kumar. R. S., Ramya Ravi. R., “Segmentation of Liver Computed Tomography Images using Dictionary based Snakes”, *International Journal of Biomedical Engineering and Technology* (Accepted).
- iii. Shanila N., Vinod Kumar. R. S., Ramya Ravi. R., ‘Performance Analysis of Preprocessing Filters Using CT Images for Liver Lesion Diagnosis, *International Journal of Biomedical Engineering and Technology* (Accepted).
- iv. Shanila N., Vinod Kumar. R. S., Ramya Ravi. R., ‘A survey on Methodology based Medical Image segmentation Techniques and their Applications, *Journal of Advanced Research in Dynamical and Control System*, Vol. 11, 09 - Special Issue, pp. 612-622, 2019.
- v. Kuruvilla John, Vinod Kumar. R. S., Kumar S. S., ‘Design of Conditional Pulse Enhancement Flip-Flop Embedded with Clock Gating and Signal Feed-through Mechanism’, *Journal of Engineering Science and Technology*, Vol. 14, No. 4, pp. 2000-2012, August 2019.
- vi. Kuruvilla John, Vinod Kumar. R. S., Kumar S. S., ‘Effect of Clock Gating in Conditional Pulse Enhancement Flip-Flop for Low Power Applications’, *Indonesian Journal of Electrical Engineering and Informatics*, Vol. 7, No. 2, pp. 357-365, June 2019.
- vii. Kuruvilla John, Vinod Kumar. R. S., Kumar S. ‘A Novel Design of Synchronous Counter for Low Power and High Speed Applications’, *International Journal of Engineering and Advanced Technology*, Vol. 8, No. 4, April 2019.
- viii. Ramya Ravi, R.S., Vinod Kumar, N. Shanila, “Segmentation of Melanoma using Triclass Thresholding in Dermoscopic Images”, *Journal of Advanced Research in Dynamical and Control System*, Vol. 11, 06-Special issue, 2019, pp. 1603-1609, Aug. 2019
- ix. Ramya Ravi. R., Vinod Kumar. R. S., and Shanila N., ‘Artifacts Removal in Melanoma Using Various Pre-processing Filters’, *International Journal of Engineering & Technology (UAE)*. Vol. 7, No. 3.27, pp. 104-107, 2018.

- x. Kuruvilla John, Vinod Kumar. R. S. & Kumar. S.S, 'Design of Low Power and High Speed Implicit Pulse Flip-Flop and its Application', *International Journal of Engineering and Technology*. Vol. 7, No. 3, pp. 1893-1898, 2018.
- xi. Kuruvilla John, Vinod Kumar. R. S. & Kumar. S.S., 'Impact of Pulse-Triggered Flip-Flops in Low Power Applications', *Journal of Advanced Research in Dynamical & Control Systems*, Vol. 10, No. 01, pp. 298-306, May 2018.
- xii. Vinod Kumar. R. S, & S. Arivazhagan, 'Adaptive Patch Based Texture Synthesis Using Contourlet Transform', *Journal of Intelligent and Fuzzy Systems*. Vol. 28, No.3, pp.1061 - 1070, May 2015.
- xiii. Vinod Kumar. R. S, & S. Arivazhagan, 'Region Completion in a Texture using Multiresolution Transforms', *International Journal of Engineering-TRANSACTIONS B: Applications*, Vol. 27, No. 5, pp.747-756, 2014.
- xiv. Vinod Kumar. R. S, & S. Arivazhagan, 'Methods for Non Uniform Patch Based Texture Synthesis using Random Selection of Patches', *International Review on Computers and Software*, Vol. 8, No.6, pp.1390-1399, 2013.
- xv. Vinod Kumar. R. S, & S. Arivazhagan, 'Adaptive Patch Based Texture Synthesis Using Modified Boundary Determination Technique', *European Journal of Scientific Research*, Vol.77, No.4, pp.495-507, 2012.

B. International Conferences

- i. Kuruvilla John, Vinod Kumar. R. S. & Kumar. S.S., 'Performance of Implicit Pulsed Flip-Flops in Low Power and High Speed Applications', 2nd International Conference on Frontiers in analytical and clinical techniques on 24th and 25th January 2019, at Noorul Islam Center for Higher Education, Kumaracoil.
- ii. Ramya Ravi R, Vinod Kumar R. S. & Shanila N., 'Review on Various Segmentation Methods for Melanoma Detection', 2nd International Conference on Frontiers in analytical and clinical techniques on 24th and 25th January 2019, at Noorul Islam Center for Higher Education, Kumaracoil.
- iii. Shanila N, Vinod Kumar R. S. & Ramya Ravi R., 'Medical Image Segmentation and its Application: A Survey', 2nd International Conference on Frontiers in analytical and clinical techniques on 24th and 25th January 2019., at Noorul Islam Center for Higher Education, Kumaracoil.

- iv. Kuruvilla John, Vinod Kumar. R. S. & Kumar. S.S., 'Performance Comparison of Explicit Pulsed Flip-Flops in Low Power and High Speed Applications', International Conference on Circuits and Systems in Digital Enterprise Technology on 21th and 22th December 2018.
- v. Kuruvilla John, Vinod Kumar. R. S. & Kumar. S.S., Impact of Pulse-Triggered Flip-Flops in Low Power Applications, 36th International Conference on recent trends in Science, Management and Engineering on 24th & 25th November 2017.
- vi. Vinod Kumar. R. S, & Balu. B, "An analysis for co-operative control of multi missile for Static Target System", *International Conference on Trends in Computational Engineering & Technology*, on 18th & 19th February 2016.
- vii. Vinod Kumar. R. S, & S. Arivazhagan, "Adaptive Patch Based Texture Synthesis using Wavelets", *IEEE sponsored International Conference on Signal Processing Computing, Communication and Networking Technologies, (ICSCCN 2011)* on 21st and 22nd July 2011.
- viii. Vinod Kumar. R. S, & S. Arivazhagan, "Effects of Variation of Patch Size and Seam Size in Patch Based Texture Synthesis", *IEEE sponsored 2nd International Conference on Computing, Communication and Networking Technologies, (ICCCNT'10)*, on 29th, 30th and 31st July 2010. doi: 10.1109 / ICCCNT. 2010. 5591571.

C. National Conferences

- i. Vinod Kumar. R. S & A. K. Aswathy, "An enhanced Image Steganography using H- LSB technique and Wavelet Transform", *National Conference on Recent Advances in Engineering, Science & Technology, (BIOMED' 17)*, on 28th March 2017.
- ii. Vinod Kumar. R. S., & S. Shameem, "Adaptive Patch based texture synthesis using wavelets", *National Conference on Emerging Trends in Electronic World, (RETREW'11)*, on 11th March 2011.
- iii. Vinod Kumar. R. S., & Amritha Mary A. S, "Adaptive Patch based Texture Synthesis", *5th National Conference in VLSI design and Information Technologies*, on 5th April 2011.
- iv. Vinod Kumar. R. S. & Simi S Raj, "Speech De-noising using Teager Energy Operator", *National Conference on Emerging Trends in Communication and Networking (ETCN-2010)* on 10th April 2010.
- v. Vinod Kumar. R. S. & Sreelekshmi. G., "Wavelet based local Patch Based Texture Synthesis", *National Conference on Emerging Trends in Communication and Networking (ETCN-2010)* on 10th April 2010.

- vi. Vinod Kumar. R. S. & Vani Dheepa., “Removal of Visual Artifacts in Patch Based Texture Synthesis using exact neighborhood matching”, *National Conference on Recent Trends in Wireless Communication* on 5th and 6th February 2009.
- vii. Vinod Kumar. R.S., & Jayareshmi, “VLSI Implementation of narrow band interference cancellation algorithm for a global positioning system receiver” *National Conference on Emerging Trends in Information and Communication Engineering* on 27th and 28th March 2008.
- viii. Vinod Kumar. R. S., & Arun P. L., “Peak to average power ratio reduction of an OFDM signal by Spectral masking”, *National Conference on VLSI and Communication* on 16th and 17th March 2007.
- ix. Vinod Kumar. R. S. “Concealed Weapon Detection using Imaging System”, *National Conference on Emerging trends in Communication and Information Technology* on 20th and 21st January 2006.
- x. Vinod Kumar. R. S. & Ramalo Joy, “Still Image Compression using Fuzzy Logic-based Predictive Coding”, *National Conferences on Recent Trends in Communication Techniques (NATCON)* on 4th and 5th March 2004.